# ASSESSING THE IMPORTANCE OF CULTURAL CAPITAL

# **ON PSE ATTENDANCE IN CANADA**

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#### Abstract

This paper extends the current literature on access to post-secondary education by investigating the role played by various family background characteristics related to the home environment and family habits and behaviours. Exploiting the extraordinary richness of the YITS data in this regard, we include whether the family ate dinner together, whether they discussed current affairs, and how often their children went to concerts – and if so, what *kind* of concerts. Many of these factors are found to have a significant relationship with attending post-secondary education, university in particular. Furthermore, these factors are in addition to – and at least to some degree independent of – more conventional influences such as parental education and family income. With appeal to the paradigm of "cultural capital" -- which refers to the knowledge, experiences, and connections which help individuals succeed in life – these results indicate how advantages in accessing higher levels of education accrue to those from families that are rich in this kind of asset, while others are left behind.

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#### Assessing the Importance of Cultural Capital on PSE Attendance in Canada

#### I. Introduction

There has been a general evolution in the thinking regarding the factors that are of importance in determining attendance in post-secondary education (PSE) throughout the world. Generally, the development of the literature has gone from studying the importance of financial factors (such as family incomes, tuition levels and student assistance) to "softer" influences such as whether parents read to their children. This thread of research has been greatly aided (indeed made possible) by the availability of better longitudinal data sets which have allowed researchers to track the progress of individual students during high school, during PSE (if so chosen), and following completion of their terminal level of education. Much of this research has been spearheaded by Nobel prize winner James Heckman and his colleagues. Nobel prizes do tend to attract the attention of the public and policymakers. The prominence of his large body of research has coincided with the concern in policy circles that remaining competitive in the global economy increasingly depends on embracing the knowledge economy. Driven by anxieties about increasing trade liberalization and the rapid economic development of countries such as India and China, educational policy rather than industrial policy is increasingly becoming the area to watch. The argument is that the smokestack model of industrial development dependent on manufacturing - popular since the industrial revolution - is outdated, and that the continuing prosperity of the West will be the result of the knowledge economy and that brains - not brawn will prevail.

Central to the knowledge economy is (obviously) knowledge and the human capital necessary to use and generate knowledge. PSE institutions in Canada and elsewhere are tasked with disseminating an ever-growing body of knowledge to a young population. This assumes, of course, that young Canadians are able to access these institutions and ultimately complete their programs of choice.

Since financial factors are no longer central to the debate about access to PSE, the policy debate has been refocused to concentrate on the factors that are important. To keep the

current stock of education in the economy constant as the older generation retire, an increasing proportion of the declining youth population will on average have to attain higher levels of education. Additionally, there is an equality concern raised by the shift to the knowledge economy: Individuals without the skills provided by PSE may not be able to compete effectively in the labour market, increasing the inequality in our society. Given these factors, the question becomes: How do we get students in the doors of our PSE institutions?<sup>1</sup>

In Canada, we know that factors such as parental education, innate student abilities, attitudes towards school, work ethic, schooling aspirations, etc. are all correlated with participation in colleges and universities (see Finnie, Mueller, Sweetman and Usher (2008) and Finnie, Frenette, Mueller and Sweetman (2010) and the papers therein), but we are less certain about the precise mechanisms through which these factors work. For example, is high parental education inherently important, or are there other factors correlated with education that parents may offer their children? If there are positive correlations then estimates of the effect of parental education will be biased upwards and thus tend to overestimate its importance. More importantly, for policy purposes, while it is difficult to raise the education levels of existing parents, it may be possible for all to imitate the actions of highly educated parents (e.g., regularly talking to children about current events) in order to better prepare their children for participation in PSE and ultimately the knowledge-based economy that awaits them on the other side of graduation.

The purpose of this research is to further understand the importance of these cultural capital correlates in determining one dimension of opportunity: access to PSE. To identify these influences, we use the Youth in Transition Survey – Cohort A (or YITS-A). These data follow students from the time they are 15 years of age (Cycle 1) up until the time there are 21 years of age (Cycle 4). This is a time when most young Canadians are attending or are considering attending PSE. Furthermore, and most importantly for our purposes, these data are rich in the background characteristics of the student herself, her family and household characteristics, as well as information on her experiences and performance in secondary education (i.e., high

<sup>&</sup>lt;sup>1</sup> In this paper we will be limiting our discussion to PSE access. The other important factor is completion – called retention by institutions hoping to keep admitted candidates until program completion, or persistence in the academic literature on the subject. We acknowledge the importance of this, but will remain silent on the issue throughout the remainder of the paper.

school). The YITS contains a number of "cultural capital" indices and family background variables (including family income and parental income) which will assist us in isolating the influences of cultural factors from other factors in the PSE attendance decision. By including both sets of regressors, we are able to determine the direct versus indirect effects of family background (including cultural capital) on the decision to attend PSE.

The paper is organized in the usual way. The next section briefly reviews the relevant literature. Sections III and IV discuss our methodology and the data used in the estimation of the models. The main results of the estimations are presented in Section V. The final section concludes and discusses policy recommendations.

### **II. Literature Review**

Recently there have been a number of Canadian studies that have gone beyond ascribing much importance to financial factors (e.g., tuition, family income, etc.) in the decision of young Canadians to pursue PSE. The consensus of research by Butlin (1999), Drolet (2005), Finnie and Mueller (2008a,b), among others, is that parental education is a much better predictor PSE participation than parental income. Perhaps more importantly, studies such as the one by Finnie, Lascelles and Sweetman (2005) show that high levels of parental education have both direct and indirect effects on the probability of children attending PSE. For example, high educated parents may be more apt to provide (and read) books to their children, to expose them to cultural events such as music and museums, or be better equipped to engage their children in meaningful conversations about current events. All of these may increase the interest in young people regarding PSE attendance.

Indeed, authors such as Cameron and Heckman (2001) argue that it is the long-term impact of family background that is important in determining college (i.e., university) attendance, not short-term influences such as financial aid. Carneiro and Heckman (2002) too support the paramount importance of long-term factors, such as family background, over short-term factors, such as credit constraints. With the exception of these and a handful of other recent studies of this generation which address the importance of family background on access to PSE (e.g.,

Cameron and Heckman, 1998; Ermisch and Francesconi, 2001; Keane and Wolpin, 2001; Cunha, et al., 2006; Heckman, 2007), relatively little has been done on the importance of family background on the probability of youth accessing PSE. Even less has been done – at least in the economics literature – on the importance of rather "soft" background factors such as attending cultural events and the genres of reading materials used by young people. Childs, Finnie and Mueller (2010) address some of these factors and show that many – such as communications with children, attending cultural activities, and engagement in reading – are positively associated with PSE attendance, especially attendance at university.

While there has been strong growth in the in the PSE participation of those from lowincome families, there is still evidence that the participation rates of those from middle- and upper-income families remain higher (Corak, Lipps and Zhao, 2003; Drolet, 2005). Similar results are obtained by comparing those from families with high and low levels of parental education (Finnie, Laporte, and Lascelles, 2004). While the process of changing family incomes and levels of parental education is a slow process, leading to convergence of participation rates only over time, the theme of this research is to ascertain if there may be other factors that families of higher socio-economic status possess or do which also enhance the probability of attending PSE. In the sociology literature, this propensity to act, perceive and think in a certain way is referred to as habitus and is imparted on young people through socialization over time (see Auclair, et al. (2008), Grayson (2011) and Jaeger (2009) for recent reviews of this literature). Stated simply, there may be factors which are relatively easy to change that may impart on a young person the values which will enhance the probability of PSE attendance. For example, it is well known that children growing up in households with many books attain higher levels of schooling than those in households with few books, and this relationships holds in both rich and poor nations, and the relationship can be as great as having university educated parents over uneducated parents (Evans, et al., 2010). The implication is that increased access to reading material may be a good investment.

This paper attempts to fill this knowledge gap by providing evidence of the importance of these cultural capital influences on accessing PSE, especially university. Although novel to the

economics profession, the sociology literature discusses the importance cultural capital in perpetuating social inheritance.<sup>2</sup> Cultural capital refers to knowledge, experiences, connections, etc. which help individuals succeed in life. In our case, this means successful entry into PSE. In economists' lingo, the inter-generational transfer of education (social inheritance) could be the result of a number of household background factors (cultural capital). And it is the lack of this cultural capital which may prohibit individuals from assessing post-secondary education, thus propagating inequality in educational attainment.<sup>3</sup>

The policy implication in this is that children from families that do not possess high levels of education nor income – the former being an especially strong correlate of university attendance – may still be able to overcome these disadvantages in other ways. For example, De Graaf et al. (2000) find that parental reading behaviour is a much stronger predictor of children's educational attainment than participation in "beaux arts" such as attending ballet performances or art galleries. Furthermore, parental reading behaviour has a stronger positive impact for those whose parents have low levels of education. Their results support the cultural mobility theory of DiMaggio (1982) more than the cultural reproduction theory of Bourdieu (1973).

Perreira, et al. (2006) find that cultural capital can be useful in lowering high school dropout rates, and can mitigate the negative impact of low parental levels of education among certain first-generation immigrants. Lehmann (2007) uses qualitative methods to argue that firstgeneration students may be more likely to leave university in Canada without graduating since they felt they didn't fit into the university (i.e., they may have lacked the necessary cultural capital), despite having solid academic performance. Entorf and Tatsi (2009) use data from Germany and the UK and find that the lower PISA mathematics scores among immigrants are largely accounted for by the lower socioeconomic backgrounds of parents and cultural capital at home. Jaeger and Holm (2007) provide evidence of the importance of cultural (and social) capital in determining educational outcomes in Denmark, a country which is part of the "Scandinavian

<sup>&</sup>lt;sup>2</sup> Although cultural capital is not an economic construct, more attention is being paid to the impact of culture on economic outcomes. See Guiso, et al. (2006) and Fernández (2010) for some recent examples of this work.

<sup>&</sup>lt;sup>3</sup> The concept of cultural capital is very closely linked to that of identity economics (Akerlof and Kranton, 2000, 2002, 2010), although the later tends to give more discussion to both the direct and the opportunity costs of changing one's identity. Two recent papers commissioned by the Canadian Millennium Scholarship Foundation discuss the importance family background and cultural capital factors – largely from a sociological point of view – both in general (Kamanzi, et al., 2009) and as related to first-generation students (Auclair, et al., 2008).

mobility regime" in which economic factors play a smaller role in such outcomes compared to other Western countries. Using U.S. longitudinal data and differencing out family and individual fixed effects, Jaeger (2011) says that the cultural capital effects on children's tests scores are diminished compared to studies were unobserved heterogeneity is not controlled, but still remain positive and significant. He also finds that the type of cultural capital can have different effects in families of different socio-economic status.

Evidence for Germany (Krenz, 2010) shows that the educational attainment of an individual depends on cultural capital and this effect is independent of parental education, social capital, skills, motivation, etc. For Ireland, Ryan, McCarthy, and Newman (2007) estimate that income has no significant effect on tertiary level education when wealth and cultural capital are controlled.

Like Tramonte and Willms (2010) we adopt a broad definition of cultural capital which, in their words, includes static and dynamic or relationship forms: the former consisting the "high brow" types of items which are usually contained in the definition of cultural capital – static or continuous forms such as music lessons, theatre attendance, etc. – and the latter which is concerned with the cultural interactions and communications between parent and child.<sup>4</sup> It is dynamic since it changes and evolves over time and requires and investment on the part of both parent and child. They find that both types of cultural capital are importance positive correlates of reading literacy (i.e., PISA reading scores), a sense of belong at school, and higher occupational aspirations. Relational cultural capital, however, is the quantitatively more important of the two.

Jaeger (2009) uses Danish data and finds empirical support for the basic theoretical arguments of Bourdieu. Namely, that for cultural capital to promote educational success three conditions must hold: (1) parents must possess cultural capital; (2) they must transfer it to their children; and (3) the children must absorb the cultural capital and convert it into educational success. The use of Danish data is particularly useful since the country has a narrow income

<sup>&</sup>lt;sup>4</sup> Their static cultural capital index is comprised of detailed questions on the number of books in the home, how often museums, art galleries, opera, etc. are frequented, and the presence of musical instruments, classical literature, books of poetry, and works of art in the home. The relational cultural capital index is based on detailed questions about children discussing social and political issues and books, films, and television shows with their parents, discussions about school, or just time spent talking, as well as questions about the enjoyment in discussing books with others and going to a bookstore or a library.

distribution, free tuition, and a secondary education system that is meritocratic. These characteristics reduce the importance of financial factors on secondary school attendance. Elementary school in Denmark goes to about age 16, thereafter students must decide whether to terminate their schooling (about 20 percent of students choose this option), continue into a vocational secondary stream (30 percent) or continue into an academic vocational stream (50 percent). According to Jaeger, the vocational stream is "cultural capital light" and the academic stream is "cultural capital heavy".

Not unlike Esping-Andersen (2004) who argues that public policy can be effectively used to break the link between class origins and cognitive and educational inequalities. Although he does show the intergenerational transfer of education is alive and well (which implies that the policy goal of equal opportunities is not possible at least through "equality" of access to education), he also argues that early cognitive development can be changed, thus effectively untying the "Gordian knot" of social inheritance. In a later paper, Esping-Andersen (2008:23) argues that there are four mechanisms through which children's opportunities are transferred from parents: family income, family structure, parental dedication, and cultural capital – defined as "the learning milieu within which children grow up."

Furthermore, there are two mechanisms through which this cultural capital can be translated. One is through early childhood stimulation (which establishes the cognitive skills of children) and the other occurs much later when youth are making education choices. The real challenge according to Mare (1993) is overcoming class origins in transitioning from one level of education to the next. Once this transfer has been made, the influences of family on performance and education attainment wane. For our purposes, this implies that accessing college or university is a key step in the educational attainment process and, once made, the class differences in performance or attainment weaken.

Even the Organization for Economic Co-operation and Development (OECD) has recognized the importance of culture in the educational success of children, releasing a guide for parents (OECD, 2012) which outlines the things that parents can do help their children to be successful at school. The report notes that education begins at home when children are born and

should continue after children have entered school. Well-known correlates of educational success such as reading to young children are emphasized, but other-lesser known – and cultural factors – such as talking too older children about social and political issues, films, books and movies are all related to better school performance. Moving beyond schooling, Brunello, Weber, and Weiss (2012) argue that the number of books in a child's home at age 10 is a good predictor of higher returns to education and hence lifetime income. The authors conclude (p. 16): "Access to books when young seems to reflect home skill formation in cognitive and socio-emotional skills, something that has been emphasized as an important factor of economic success if life."

This paper digs deeper into the importance of cultural capital. Compared to earlier Canadian studies by Tramonte and Willms (2010), Childs, Finnie and Mueller (2010), and Grayson (2011), which use aggregates of various cultural capital variables, we disaggregate these indices into their components, thus providing us with a more profound understanding of the factors that are related to positive PSE attendance outcomes. While many studies have addressed a narrow range of cultural capital influences on various educational outcomes, this research is unique in the breadth of the cultural capital variables which are related to PSE access.

### **III. Methodology**

This research uses a standard empirical model for estimating access to PSE, where access is taken to be a function of a variety of different sets of influences. We work from a small, basic set of regressors which have been shown repeatedly in the literature to be influential on the PSE attendance decision, and build the empirical model to include a more comprehensive set of regressors which represent the various types of soft influences discussed previously.

The model is expressed as follows:

$$Y = X_1\beta_1 + X_2\beta_2 + \mu$$

where Y is the access measure of interest (participation in college or university), the X<sub>i</sub> are vectors of covariates that influence Y, the  $\beta_i$  are the coefficients associated with each set of X, and  $\mu$  is the classical stochastic error term.

X<sub>1</sub> comprises the most conventional family background variables such as family income, parental education, family type, etc. which have repeatedly been shown in the literature to be important indicators of PSE attendance. These simpler (i.e., shorter) models will capture the total effects of these variables on access, regardless of the path of those influences (i.e., direct or indirect), while picking up the influences of other omitted factors with which they are correlated.

X<sub>2</sub> includes one element of the wider range of variables available in the YITS. In the present case, we add a total of nine indices derived by Statistics Canada which capture the cultural capital influences discussed above. These indices are all standardized to a standard normal distribution (i.e., mean or zero and standard deviation of one) among all the countries participating in the PISA survey.<sup>5</sup> This means that the coefficient estimates can be easily interpreted as the effect of a change from the mean to one standard deviation above the mean on the probability of attending college or university. Once we have determined which (if any) index is an important correlate of PSE attendance, we can then disaggregate the index into its core components to arrive at a richer understanding of the underlying factors related to PSE attendance. Appendix Table A1 contains details on the component questions that comprise each index.

A couple of points here are worthy of note. First that these influences included in the vector X<sub>2</sub> were all determined *before* entry into PSE, at the time of the first cycle of YITS-A when the respondents were fifteen years of age. Second, these variables are almost certainly related to other family background variables such as family income and parental education. Hence, including them will comprise an exercise in identifying a fuller set of influences of access to PSE, and ascertaining how adding such additional measures affects our understanding of the direct and indirect effects of family background on access to PSE at either the college or university level. In other words, we are interesting in determining if there is a correlation between these

<sup>&</sup>lt;sup>5</sup> See Warm (1989) for details as to how the indices were constructed using Item Response Theory.

influences and participation in PSE, and whether these influences are simply a reflection of parental education or income, or whether they have an impact independent of these usual control variables.

Various particular specifications of this multinomial logit model are estimated, all of which differentiate between access to college (including CEGEP<sup>6</sup> in Québec and trade schools) and university.<sup>7</sup> Our multinomial setup up thus allows the regressors in our models to have different effects on college and university participation, while allowing these processes to be related.

As is usually the case with this type of estimation technique, there is the potential for endogeneity of at least some of the right-hand side variables. For example, students who desire to attend university may ensure that they and read a wide range of books, seek out cultural events, etc. as a means of self-enrichment and enhancing the probability of gaining admission to college or university. Thus, many factors are not exogenous to the PSE participation outcome. There exist a variety of ways to overcome (although not necessarily eliminate) this endogeneity problem. But in this paper we simply take such measures at face value, which is consistent with our goal of estimating the empirical relationships in question and seeing how they change (or not) as the model includes the cultural capital variables. This may not eliminate the bias caused by endogeneity, but it should at least assuage the problem.

#### IV. The Data

The Youth in Transition Survey – Sample A (or YITS-A) initially interviewed 15-year olds, their parents, and their high school administrators in 2000. Three follow-up surveys of the young people (only) were conducted in 2002, 2004 and 2006. In this latter wave of the survey, the young people were 21-years of age, an age at which it is probable that young people have made at least their initial choices about entering PSE.

<sup>&</sup>lt;sup>6</sup> CEGEP is the acronym for *collège d'enseignement général et professionnel* which is part of a system unique to Québec., CEGEPs as both the final year (grade 12) of high school as well as the beginning of tradtional college and university programs.

<sup>&</sup>lt;sup>7</sup> The use of a multinomial logit model requires the assumption of independence of irrelevant alternative (iia), an assumption that is strong given that the decision to go to college or university are not likely independent. In a previous paper (Finnie and Mueller, 2008a) we estimated a number of the specifications that were very similar to the basic models (i.e., those without the full array of influence) presented here, but using a multinomial probit model which does not require this strong iia assumption. In none of the cases did the results change markedly. Thus, we proceed with the more computationally efficient multinomial logit model.

The dependent variables in our study – representing entry into either college or university – thus differentiates those who have decided to enter PSE at this point in their lives versus all others – including those who have decided not to attend as well as those who may go later. In the following analysis, PSE participation is defined as the highest level of PSE attempted by the respondent over the four cycles of the survey. This allows the inclusion of Québec in the sample, as CEGEP is considered a College program in the YITS, giving misleading results. Furthermore, related research (Finnie and Qui, 2008) has shown that switching between programs *within* a given institution is more likely than either switching institutions, and even more likely than switching the level of PSE attended. The measure of first PSE program and the highest level of PSE are generally very similar, and generate similar results. Thus, we are reasonably confident that our model does reflect the true decision-making process of Canadian youth, including the youth of Québec who are likely to have completed CEGEP and entered university by the age of 21.

Since individuals who have studied outside of Canada might have quite different backgrounds and experiences, we eliminate them from the sample. For the same reason, non-Canadian citizens and those with unknown immigration status are dropped. Finally, we drop those individuals for which there are missing data as well as those who are continuing in high school, since we obviously do not observe any potential transition into PSE for this latter group.

The final sample contains a maximum of 8,518 females and 8,120 males. At times, this sample is slightly reduced owing to the inclusion of additional variables where the information is incomplete. Missing observations are dropped from the relevant estimates.

#### V. Results

#### A. The Baseline Models

Table 1 contains results of the basic model for both females (column 1) and males (column 4), along with the models estimated where the PISA index variables are included. These are entered both separately (columns 2 and 5 where the basic model is estimated along with each of the nine indices separately) and jointly (columns 3 and 6 where the basic model along

with all of the nine indices are included). In the interest of parsimony, the separately estimated equations only include the coefficients and the standard errors on the index variables themselves, not on any of the other coefficients. These results represent a set of baseline estimates that are interesting on their own and provide a check on our estimation since these are comparable to other research (Frenette, 2007; Finnie and Mueller, 2008a,b, 2009). Indeed, are results are consistent with those in the literature which show that those from urban areas are less likely to attend university, but more likely to attend college. Compared to Ontario, those from the Atlantic provinces are more likely to attend university, while in the West the opposite is generally the case. All provinces, with the exception of Quebec, have lower college attendance rates - not surprising given Ontario's high college attendance rates. Family structure has very little influence for either males or females, while parental education exerts a positive influence of university, but not college attendance. Parental income has a modest effect on university attendance with the \$10,000 increasing the probably off attendance by about two percentage points for females, but by less than one percentage point for males. Both first- and second-generation Canadian are likely to favour university over college compared to the Canadian-born. Again, these results are all common in the recent Canadian literature.

#### B. Adding the Cultural Capital Indices

Columns 2 and 5 show impact of separately adding the PISA indices to the basic model. The results are consistent with a model of cultural capital. Almost all coefficient estimates are statistically important, at least with respect to university attendance. Economically, some of the effects appear to be quite large. Since each is normalized to a standard normal distribution, the coefficients are interpreted as the effect of being one standard deviation above the mean. In what follows, we will generally only discuss the correlates with university attendance since almost none of the indices – whether entered into the model separately or jointly – have any meaningful relationship to college attendance. Thus, the following comments will be limited to the relationship of these indices to university attendance. Again, the details of the questions behind each index are contained in Appendix Table A1.

Cultural communications includes measures for the student's response regarding how often parents discuss political or social issues with them, the frequency of discussion about books, television programs and movies, and the incidence of listening to classical music. Being one standard deviation above the mean enhances the probably of university attendance by about eight percentage points for both males and females. Even after other indices are included, this figure continues be important: 3.4 percentage points for females, and 4.4 percentage points for males.

Related to cultural communications is social communications, which includes measures for the frequency of discussion about school with parents, the number of times meals are eaten together, and the frequency of generally just talking. Again, for both males and females, the impact on university attendance is positive, and about 6 percentage points, dropping to about 4 percentage points when the model is estimated jointly. Thus, both cultural and social communications are positively related to university attendance.

Family educational support includes the frequency of help with homework from mothers, fathers, and siblings. The coefficient shows that more help actually decreases the probably of attending university, although its impact is marginal. We interpret this to be the result of the endogeneity of this variable: young people having troubles at school are simply in greater need of help from another family member.

Family wealth includes the number of cars, cellular telephones, computers, cars, and bathrooms in the family home. It also measures whether there is a dishwasher and/or an internet connection and/or educational software in the family home, and if the young person has his/her own room. Being above the mean by one standard deviation is correlated with higher university attendance rates for males and females, although the latter is much larger – six percentage points versus 2.5. Again, this number diminishes once other cultural capital indices are included in the model.

Likely related to family wealth are home educational resources. Clearly better off families are better able (although not necessarily willing) to use their resources to provide a more enriched learning environment to their children. This index measures if they have the following items at home: a dictionary, a quiet place to study, a desk to study, and textbooks in the home. It also includes the number of hand-held calculators in the home. This index is positively correlated with university attendance. Its impact is diminished by about one-third for females when the model is estimated jointly: 7.3 percentage points to 4.7. For males, the same pattern holds, but the magnitude is smaller. For whatever reason, girls appear to benefit more from the availability of these resources in the home.

Classical culture is related to the number of times (annually) that individuals go to an art museum or gallery, an opera, ballet or classical symphony concert, or to live theatre. In the joint estimation this increases the probability of university attendance by about 10 percentage points for girls and 7.5 percentage points for boys. Even when added jointly, these probabilities are still 6.6 and 3.4 percentage points, respectively.

Although few families house an art gallery or a symphony orchestra, other forms of classical culture are common place in a number of Canadian homes, including classical literature, books of poetry and works of art. When this index – classical culture in the home – is entered individually, we see that boys and girls in a home that is one standard deviation above the mean have about a 5 percent better chance attending university. When estimating the model jointly, however, this probability decreases to zero. Combined with the above result, this suggests that it is "exposure" to – and not "possession" of – classical culture that is important.

The final two indices capture a "love" for reading, as well as the variety of reading materials that the young person uses. This first of these is comprised of a nine questions related to an individual's enjoyment of reading. For example, respondents can strongly agree, agree, disagree or strongly disagree to questions such as: "I enjoy going to a bookstore or a library," and "I only read if I have to." The impact of this variable is quite large – around nine percentage points for both males and females – and remains strong about six percentage points even when the other index variables are included. This is not surprising since enjoyment in reading is positively correlated with the PISA reading score, and this has been shown to be a very important determinant in accessing university (Finnie and Mueller, 2008a,b).

The second "reading" index includes a measure of how often the respondent read the following six items: magazines, comic books, fiction, non-fiction, e-mails and web pages, and newspapers. When entered separately, there is a positive relationship with university attendance – about 6 percentage points for both males and females – but again no relationship to college attendance. When entered jointly, however, this figure is statistically indistinguishable from zero. We interpret this to mean that reading itself is important (and captured by the previous index), not the diversity of reading materials *per se*.

In sum, all of the cultural capital variables, save one, are positively correlated to university attendance, and this result holds whether these are entered individually or jointly into the model.

#### C. The Importance of Parental Income and Parental Education

After adding the cultural capital indices to the model, it might be worthwhile to go ahead and assess the impact of the inclusion of these variables on parental income and education. We know that both of these variables are important correlates of university attendance, in particular. These results are from the same estimated models as in Table 1, but now we focus on the parental education and income and abstract from the other variables in the model. To reiterate, the purpose of this exercise to assess the direct effect - and how these change - of these variables once we control for cultural capital. These results are in Table 2. Several results here are worthy of mention. First, both parental education and income have practically no statistical correlation with college attendance. Even in the one case where the result is statistically significant, the size of the coefficients is small. Second, the addition of all the cultural capital index variables, either separately or jointly, does very little to diminish the importance of either parental education or income. In terms of parental education, the basic model estimates that a \$10,000 increase in family income will increase the probability of females attending university by about 2 percentage points. For males, the figure is only about one-third this amount. Reading down the table from the basic model we see that the individual inclusion of scale variables results in only a small drop in coefficient values. Even the inclusion of all index variables reduces the impact of income by only about one-third for both females and males.

The effect of adding these variables on the correlation of parental education and university attendance is relatively less. For both males and females, an extra year of parental education increases the probability of university attendance by some 6.4 percentage points. Adding in all the index variables reduces this figure to about 5 percentage points, again for both genders.

These results suggest that there are still large direct effects of parental income and education, especially in the latter case. Thus, family income and parental education do seem to provide the cultural capital necessary to access university (an indirect effect), but there are still independent effects of both of these parental attributes (i.e., a direct effect). In other words, higher levels of parental education and income both enhance the probability of university attendance, but only part of this is transmitted through cultural capital and there remains a sizeable direct effect. In other words, we interpret these results to mean that cultural capital exerts an influence on university attendance that is somewhat independent of family socio-economic status (as measured by both family income and parental education). This bodes well for policy which may be designed to overcome these family deficiencies in income and education.

#### D. Explaining the Indices

In this section, we address the importance of the components behind the results from the indices presented above. As previously mentioned, these indices are a standardized aggregate of responses to a number of questions. For example, the reading diversity index includes a range of reading options from comic books and web pages, to fiction and non-fiction books. Tables 3 through 11 contain these disaggregated indices in the order that they have previously appeared in Tables 1 and 2. Those tables with the suffix "a" include the results for females, while those with "b" are for males. These tables contain a comprehensive set of results from all model specifications. The first column in each table contains the basic model and is identical to those in Table 1. The second column in each case has the full model estimates from the separately estimated models in Table 1. These are included for comparison purposes. The final two columns contain the results for each index component estimated separately and then jointly. Given the

sheer number of these, only the most pertinent and (at least to us) the most interesting results will be discussed.

Tables 3a (females) and 3b (males) show the disaggregated cultural communication index. Discussing current events is clearly an important correlate of university attendance for both young males and females. It is also positively correlated with the frequency of discussion. Talking about TV programs, books, or films, is also a significant correlate, but coefficient values are much smaller. This indicates a positive correlation between individual item responses. Thus, for example, parents who talk to their children about political and social issues are also more likely to talk to them about other things such as books, TV programs, etc.

Just spending time talking and taking meals with children around a table are also positively related to university attendance. These results are shown in Tables 4a and 4b. In order to be an important factor, however, meals must be taken together at least a few times per month. Also, this factor is generally more important for young males than young females, although both benefit from this type of interaction. By contrast, just spending time talking has a more profound relationship with university attendance among young women. The results from Tables 3 and 4 thus suggest that talking to teenagers is important, but what is discussed is also very important.

Tables 5a and 5b show the impact of family members' help in assisting with school work. The interesting result here is that generally the assistance of either the father or other siblings is not related to either college or university attendance. However, the frequent assistance of mothers is negatively related to university attendance. As mentioned above, it is likely those young people most at risk of doing poorly at high school that receive family assistance on school work. These results show that the mother may be assisting the most in these cases or (and we include this for sake of completeness) may be offering less-than-exemplary help to those children who need it.

The disaggregated wealth index is presented in Tables 6a and 6b. As might be expected, wealth is positively correlated with family income and parental education, so the inclusion of this wealth index reduces the importance of these parental variables. That said, amongst the four household possessions listed, only having internet access is statistically important for both males

and females, and the coefficients are almost identical (around 8.5 percentage points). What is also interesting is that having too few or too many of a certain household possession can have a quite profound change on the probability of attending university. For example, having no computer at home is negatively correlated with university attendance for both genders, but having more than one computer is not statistically relevant in the case of females, and important but not proportionately more important in the case of males. Interestingly, the number of bathrooms in a home is positively related to university attendance. The number of cars, by contrast, is not important for young females, but has a negative impact on the male probability of attending university.

Related to these wealth variables is the household educational resources index, the components of which are outlined in Tables 7a and 7b. It seems as if the availability of a desk for study as well as textbooks are important for both females and males, although much more so in the former case. For males, having a dictionary in the home doesn't matter, but for females it is positively related to university attendance. For both males and females, having three or more calculators is also important, whereas having only one of two does not have any statistical impact on university attendance.

Attending cultural events and displays – art galleries, museums, opera, theatre, etc. – are all positively correlated with university attendance. This result is for both males and females. The caveat is that too much attendance is not beneficial. This is the topic of Tables 8a and 8b. Tables 9a and 9b bring culture into the home. Here we see that having classical books in the home is an important positive correlate of university attendance for both boys and girls. With our apologies to poets and artists, there is generally no statistical relationship (or at least a much weaker one) between having poetry books and works or art in the home, at least when these three cultural items are considered together.

The final two indices are related to reading. These are particularly important because we know that doing well on the PISA reading score is an important correlate of entry into university (Finnie and Mueller, 2008a,b, 2009). Tables 10a and 10b show remarkably consistency across genders: those young people who are able to read for more than a few minutes and find it easy to

complete books are much more likely to attend university compared to those who do not. What is read is also important: fiction, non-fiction and newspapers are the most influential correlates with university attendance, whereas comic books are the only consistently negative correlate. Computer activities such as reading e-mails and web pages are also positively correlated. However, too much reading does not necessarily translate into a high probability of attending university.

#### **VI. Conclusions and Policy Implications**

Using the YITS-A data as well as a multinominal logit model that differentiates between no PSE attendance, college attendance, and university attendance, we add a variety of cultural capital variables to assess the direct importance of these variables on the decision to enter university or college. We generally find that the inclusion of these variables has practically no effect on college attendance, but that many do have a significant impact on university attendance. Furthermore, these effects are largely independent of family income and parental education.

While the results point to correlation and not causation, they are nonetheless interesting and point to potential policy remedies. Even though policy cannot easily change the level of parental education – and changing parental income would yield only very small positive effects – our results are suggestive of other policies that governments may follow in order to enhance the probabilities of PSE attendance, especially among young Canadian who might not otherwise attend.

Schools play an important role in providing cultural capital to their students. School-age children are often exposed to cultural events through field trips and in-school performances, but perhaps they could be offering more of these activities or adding offerings to the curriculum which will enhance the cultural capital of all students and put all students on a more level playing field. For example, the school lunch programs in France expose children to a variety of French foods, thus giving all students a similar understanding and appreciation for this style of cuisine. Similarly, parents can overcome low levels of parental education and family income by spending time talking to their children about current events and even television programs. While parents are (usually) limited in their abilities to change their level of education and/or income – and while

more research exploring the causal nature of these relationships is warranted – our results do suggest that parents may be able to overcome these disadvantages and enhance their children's educational opportunities.

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			Females					Males		
	Basic	Basic Model	Separately		Jointly	Basic	Basic Model	Separately	٥ſ	Jointly
	College	University	College University	rsity College	<ul> <li>University</li> </ul>	College	University	College University	College	University
HS Location - Urban	-0.047***	0.053***		-0.046***		-0.023	0.078***		-0.022	0.066***
(Rural)	[1.0.0]	[0.0.18]		[/1.0.0]	[81.0.0]	[1.0.0]	[al.0.0]		[10.0]	[10.0]
HS Province (Ontario) Newfoundland and Labrador	-0.140***	0.142***		-0.139***	* 0.144***	-0.087***	0.118***		-0.081***	0.129***
Drinco Eduard Jeland	[0.026]	[0.029] 0.101***		[0.026]		[0.028]	[0.029] 0.316***		[0.028]	[0.029]
	-0.103 [0.024]	0.026]		[0.023]		-0.103 [0.025]	0.2.10		-0.130	[0.028]
Nova Scotia	-0.184***	0.187***		-0.183***	0	-0.155***	0.162***		-0.157***	0.170***
New Brunswick	-0.168***	[0.025] 0.151***		[0.023] -0.172***		[0.024] -0.169***	[0.026] 0.145***		0.024 -0.160***	0.153***
	[0.024]	[0.026]		[0.023]	[0.025]	[0.023]	[0.026]		[0.024]	[0.026]
Québec	0.012	-0.056**		0.005		0.020	-0.077***		0.014	-0.057***
Manitaha	[0.024]	[0.027]		[0.024]		0.025	[0.020] 0.112***		[0.027]	[0.021]
Mailloba	-0.101 [0.024]	0.0261 [0.026]		[0:024]		[0:022]	[0:027]		F0.023	0.128 [0.026]
Saskatchewan	-0.141 ***	0.077***		-0.147***	-	-0.190***	0.108***		-0.200***	0.133***
	[0.024]	[0.027]		[0.024]		[0.022]	[0.025]		[0.022]	[0.025]
Alberta	-0.073***	-0.049*		-0.065***		-0.119***	0.003		-0.122***	-0.011
	[0.025]	[0.026]		[0.025]	[0.026]	[0.023]	[0.022]		[0.023]	[0.022]
British Columbia	-0.094 [0.024]	-0.008 [0.026]		-0.088		-0.106 [0.024]	0.019 [0.024]		-0.105 0.0241	0.007 [0.024]
	- -	[ ]					-			
HS Language	6000			100	0.061	6100	0.005		6000	010 0
	0.003	0.023 [0.035]		-0.014 IO.0321	0.0351	0.043 [0.034]	0.00351		0.023	0.040
English in Québec	0.012	0.060		0.012		0.047	0.041		0.063	0.006
	[0.043]	[0.055]		[0.041]	[0.051]	[0.037]	[0.041]		[0:039]	[0.042]
Family Structure (Two Parent: Mother Only	lt: 0.025	7 CO O-		0.023	CCU 0-	810.0-	*2 10 0-			-0.045*
	[0.00A]			[0.024]		10.00	190.01		0.000	[0.055]
Father Only	0.093*	-0.102*		0.065		0.030	-0.090**		0.021	[0.061 -0.061
•	[0.052]	[0.057]		[0.048]		[0.051]	[0.045]		[0.049]	[0.043]
Other	0.030	-0.060		0.032		0.011	0.000		0.020	0.032
	[0:079]	[0.087]		[0.078]		[0.085]	[0.100]		[0.091]	[0.103]
Parents' Highest Level of	-0.004	0.064***		-0.002	0.050***	-0.008**	0.064 ***		-0.007**	0.051***
Education	[0.003]	[0.004]		[0:003]		[0.003]	[0.004]		[0.004]	[0.004]

			Fem	Females					Ма	Males		
	Basic	Basic Model	Separately	rately	Joi	Jointly	Basic Model	Model	Separately	rately	joľ	Jointly
Family Income ('000s)	College 0.000045 [0.0003357]	University 0.002018*** [0.0004880]	College	University	College -0.000012 [0.0003272]	College University 0.000012 0.001337*** 0.0003272] [0.0005022]	College -0.000048 [0.0002192]	University 0.000674*** [0.0002434]	College	College University	College -0.000062 [0.0001752]	University 0.000414** [0.0001916]
Immigrant Status (Not an Immigrant) -0.078** [0.035]	1migrant) -0.078** [0.035]	0.186*** [0.038]			-0.080** [0.034]	0.182*** [0.036]	0.013 [0.034]	0.126*** [0.038]			-0.005 [0.034]	0.123*** [0.037]
Second Generation	-0.047** [0.022]	0.130*** [0.025]			-0.038* [0.022]	0.113*** [0.026]	-0.010 [0.021]	0.120*** [0.023]			-0.001 [0.021]	0.109*** [0.022]
Unknown/Don't Know	0.052	-0.056			0.050	-0.028 [0.063]	-0.059 [0.054]	-0.025 [0.062]			-0.078	-0.032 [0.062]
Cultural Talk with Parents			-0.016** [0.008]	0.076*** [0.009]	-0.016* [0.009]	0.034*** [0.010]			-0.011 [0.008]	0.083*** [0.007]	-0.002 [0.009]	0.044*** [0.009]
Social Communication with Parents			-0.002 [0.008]	0.061*** [0.008]	-0.005 [0.009]	0.040*** [0.009]			-0.015* [0.008]	0.066***	-0.020** [0.009]	0.036*** [0.009]
Family Educational Support			0.013 [0.009]	-0.021** [0.009]	0.023** [0.009]	-0.063*** [0.010]			0.015* [0.008]	-0.020** [0.008]	0.020** [0.009]	-0.052*** [0.008]
Family Wealth			0.001 [0.011]	0.060*** [0.012]	-0.001 [0.011]	0.049*** [0.012]			0.016 [0.010]	0.025** [0.010]	0.009 [0.010]	0.018* [0.010]
Home Educational Resources			-0.002 [0.008]	0.073*** [0.008]	0.001 [0.008]	0.047*** [0.009]			0.015* [0.008]	0.049*** [0.008]	0.015* [0.008]	0.023*** [0.008]
Activities related to "classical" culture			-0.008 [0.008]	0.101*** [0.009]	-0.003 [0.009]	0.066*** [0.009]			-0.014* [0.008]	0.075*** [0.008]	-0.008 [0.000]	0.034*** [0.009]
"Classical" culture in the family home			-0.012 [0.008]	0.054*** [0.008]	-0.008 [0.009]	-0.010 [0.009]			-0.012 [0.008]	0.057*** [0.007]	-0.012 [0.008]	0.009 [0.008]
Engagement in Reading			-0.005 [0.007]	0.087*** [0.007]	0.002 [0.008]	0.062*** [0.008]			-0.023*** [0.007]	0.091*** [0.007]	-0.026*** [0.009]	0.058*** [0.008]
Reading Diversity			-0.009 [0.008]	0.067*** [0.009]	-0.008 [0.009]	0.001 [0.010]			0.006 [0.008]	0.063*** [0.007]	0.017* [0.009]	0.011 [0.008]
Observations	8,5	8,518			ď	8 770	α	8 120			. 2	7 76.0

boundianoo Table 1. DISA Indicise

Standard errors in brackets. Average marginal effects shown. Omitted categories in parenthesis. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars. \*\* p-0.01, \*\* p-0.05, \* p-0.1 ō

		Fem	ales			Ма	les	
Index	Edu	cation	Inc	ome	Edu	cation	Inc	ome
	<u>College</u>	<u>University</u>	<u>College</u>	<u>University</u>	<u>College</u>	<u>University</u>	<u>College</u>	<u>University</u>
Basic Model	-0.004	0.064***	0.000045	0.002018***	-0.008**	0.064***	-0.000048	0.000674***
	[0.003]	[0.004]	[0.000336]	[0.000488]	[0.003]	[0.004]	[0.000219]	[0.000243]
Cultural Talk with Parents	-0.002	0.058***	0.000060	0.001941***	-0.008**	0.058***	-0.000013	0.000607***
	[0.003]	[0.004]	[0.000336]	[0.000493]	[0.004]	[0.004]	[0.000217]	[0.000241]
Social Communication with	-0.003	0.062***	0.000042	0.001885***	-0.008**	0.061***	-0.000062	0.000609***
Parents	[0.003]	[0.004]	[0.000333]	[0.000488]	[0.003]	[0.004]	[0.000202]	[0.000223]
Family Educational Support	-0.004	0.065***	0.000051	0.002030***	-0.008**	0.064***	-0.000035	0.000651***
	[0.003]	[0.004]	[0.000337]	[0.000493]	[0.004]	[0.004]	[0.000218]	[0.000242]
Family Wealth	-0.004	0.062***	0.000045	0.001649***	-0.008**	0.062***	-0.000109	0.000588***
	[0.003]	[0.004]	[0.000351]	[0.000507]	[0.004]	[0.004]	[0.000220]	[0.000242]
Home Educational	-0.003	0.060***	0.000085	0.001916***	-0.008**	0.061***	-0.000065	0.000628***
Resources	[0.003]	[0.004]	[0.000343]	[0.000502]	[0.004]	[0.004]	[0.000216]	[0.000246]
Activities related to	-0.003	0.057***	0.000030	0.001680***	-0.007*	0.058***	-0.000019	0.000576***
"classical" culture	[0.003]	[0.004]	[0.000328]	[0.000480]	[0.003]	[0.004]	[0.000205]	[0.000223]
"Classical" culture in the	-0.002	0.058***	0.000112	0.001941***	-0.006*	0.057***	0.000003	0.000594***
family home	[0.003]	[0.005]	[0.000341]	[0.000498]	[0.004]	[0.004]	[0.002156]	[0.000236]
Engagement in Reading	-0.004	0.060***	0.000022	0.001987***	-0.007**	0.058***	-0.000080	0.000618***
	[0.003]	[0.004]	[0.000330]	[0.000487]	[0.003]	[0.004]	[0.000189]	[0.000212]
Reading Diversity	-0.003	0.061***	0.000027	0.001963***	-0.008**	0.060***	-0.000064	0.000655***
	[0.003]	[0.004]	[0.000332]	[0.000485]	[0.004]	[0.004]	[0.000214]	[0.000239]
All Indices	-0.002	0.050***	-0.000012	0.001337***	-0.007**	0.051***	-0.000062	0.000414***
	[0.003]	[0.004]	[0.000327]	[0.000502]	[0.004]	[0.004]	[0.000175]	[0.000192]

# Table 2: Parental Education and Income Effects for PISA Index Models

	Basic	Model	In	dex	Sepa	arately	Joi	ntly
	College	University	College	University	College	University	College	University
HS Location - Urban (Rural)	-0.047***	0.053***	-0.046***	0.049***			-0.046***	0.044**
	[0.017]	[0.018]	[0.017]	[0.018]			[0.017]	[0.018]
IS Province (Ontario)								
Newfoundland and Labrador	-0.140***	0.142***	-0.141***	0.142***			-0.139***	0.144***
	[0.026]	[0.029]	[0.026]	[0.029]			[0.026]	[0.029]
Prince Edward Island	-0.183***	0.191***	-0.184***	0.196***			-0.182***	0.195***
	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Nova Scotia	-0.184***	0.187***	-0.178***	0.177***			-0.173***	0.172***
	[0.023]	[0.025]	[0.023]	[0.025]			[0.024]	[0.026]
New Brunswick	-0.168***	0.151***	-0.166***	0.152***			-0.166***	0.154***
	[0.024]	[0.026]	[0.023]	[0.026]			[0.023]	[0.025]
Québec	0.012	-0.056**	0.019	-0.065**			0.020	-0.058**
	[0.024]	[0.027]	[0.024]	[0.027]			[0.024]	[0.027]
Manitoba	-0.161***	0.090***	-0.160***	0.090***			-0.158***	0.087***
indimosita in the second se	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Saskatchewan	-0.141***	0.077***	-0.143***	0.082***			-0.141***	0.084***
Saskalchewall	[0.024]	[0.027]	[0.024]	[0.026]			[0.024]	[0.027]
	-0.073***	-0.049*	-0.071***	-0.050*			-0.066***	-0.054**
Alberta								
	[0.025]	[0.026]	[0.025]	[0.026]			[0.025]	[0.026]
British Columbia	-0.094***	-0.008	-0.087***	-0.018			-0.084***	-0.020
	[0.024]	[0.026]	[0.025]	[0.026]			[0.024]	[0.026]
S Language								
French outside Québec	0.003	0.023	0.002	0.024			0.000	0.032
	[0.034]	[0.035]	[0.033]	[0.035]			[0.032]	[0.035]
English in Québec	0.012	0.060	0.006	0.067			0.004	0.067
	[0.043]	[0.055]	[0.042]	[0.054]			[0.042]	[0.054]
amily Structure (Two Parents)								
Mother Only	0.025	-0.037	0.021	-0.031			0.020	-0.027
· · · · ·	[0.024]	[0.028]	[0.024]	[0.028]			[0.023]	[0.029]
Father Only	0.093*	-0.102*	0.069	-0.081			0.070	-0.078
	[0.052]	[0.057]	[0.048]	[0.055]			[0.047]	[0.055]
Other	0.030	-0.060	0.024	-0.052			0.026	-0.046
Other								
	[0.079]	[0.087]	[0.078]	[0.086]			[0.078]	[0.086]
arents' Highest Level of Education	-0.004	0.064***	-0.002	0.058***			-0.003	0.058***
arents Highest Level of Education								
	[0.003]	[0.004]	[0.003]	[0.004]			[0.003]	[0.004]
amily Income	0.0000448	0.0020179***	0 0000595	0.0019407***			0.0000141	0.0018627**
	[0.0003357]			[0.0004934]			[0.0003274]	[0.0004935]
nmigrant Status (Not an Immigrant)								
First Generation	-0.078**	0.186***	-0.079**	0.180***			-0.077**	0.188***
First Generation	[0.035]	[0.038]	[0.035]	[0.038]			[0.035]	
								[0.039]
Second Generation	-0.047**	0.130***	-0.043*	0.127***			-0.045**	0.129***
	[0.022]	[0.025]	[0.022]	[0.026]			[0.022]	[0.025]
Unknown/Don't Know	0.052	-0.056	0.054	-0.058			0.054	-0.050
	[0.061]	[0.066]	[0.060]	[0.064]			[0.061]	[0.066]
								cont

## Table 3a: CULTCOM Index Components (PISA), Females

cont . . .

	Basic	Model	In	dex	Sepa	rately	Joi	ntly
	College	University	College	University	College	University	College	University
Cultural Communication with Parents			-0.016** [0.008]	0.076*** [0.009]				
How often do your parents (Never)								
discuss political or social issues with you?								
A few times a year					-0.021	0.076***	-0.026	0.066***
					[0.020]	[0.022]	[0.021]	[0.023]
Once a month.					-0.064***	0.155***	-0.063***	0.132***
					[0.023]	[0.026]	[0.024]	[0.027]
Several times a month					-0.103***	0.220***	-0.098***	0.195***
					[0.022]	[0.024]	[0.024]	[0.027]
several times a week					-0.088***	0.210***	-0.079**	0.195***
					[0.029]	[0.031]	[0.032]	[0.035]
discuss books, films or television programmes with y	ra							
A few times a year					-0.027	0.073**	-0.020	0.055*
					[0.030]	[0.033]	[0.031]	[0.033]
Once a month.					-0.001	0.090***	0.021	0.043
					[0.030]	[0.033]	[0.031]	[0.034]
Several times a month					-0.033	0.149***	0.002	0.075**
					[0.027]	[0.031]	[0.028]	[0.032]
several times a week					-0.064**	0.168***	-0.018	0.067**
					[0.027]	[0.030]	[0.029]	[0.033]
listen to Classical music with you?								
A few times a year					-0.057***	0.075***	-0.039*	0.035
					[0.022]	[0.023]	[0.022]	[0.023]
Once a month.					-0.059**	0.121***	-0.031	0.066*
					[0.030]	[0.034]	[0.031]	[0.035]
Several times a month					-0.026	0.027	-0.001	-0.032
					[0.034]	[0.037]	[0.035]	[0.037]
several times a week					-0.026	-0.026	-0.010	-0.069**
					[0.037]	[0.036]	[0.038]	[0.035]
Observations	8,	518	8,	475			8,	389

#### Table 3a: CULTCOM Index Components (PISA), Females, continued

	Basic	: Model	In	dex	Sepa	arately	Joi	intly
	College	University	College	University	College	University	College	University
S Location - Urban (Rural)	-0.023	0.078***	-0.023	0.069***			-0.024	0.070***
	[0.017]	[0.016]	[0.017]	[0.016]			[0.017]	[0.016]
S Province (Ontario)								
Newfoundland and Labrador	-0.087***	0.118***	-0.089***	0.122***			-0.090***	0.120***
	[0.028]	[0.029]	[0.028]	[0.029]			[0.028]	[0.029]
Prince Edward Island	-0.189***	0.216***	-0.189***	0.222***			-0.192***	0.212***
New Oracle	[0.025] -0.155***	[0.028] 0.162***	[0.025] -0.154***	[0.027] 0.160***			[0.025] -0.158***	[0.027] 0.156***
Nova Scotia	[0.024]	[0.026]	[0.024]	[0.025]			[0.024]	[0.025]
New Brunswick	-0.169***	0.145***	-0.171***	0.158***			-0.184***	0.169***
New Brunswick	[0.023]	[0.026]	[0.023]	[0.025]			[0.023]	[0.025]
Québec	0.020	-0.077***	0.020	-0.083***			0.012	-0.074***
Quebec	[0.025]	[0.020]	[0.026]	[0.020]			[0.026]	[0.021]
Manitoba	-0.216***	0.112***	-0.216***	0.120***			-0.222***	0.124***
Manitoba	[0.022]	[0.027]	[0.022]	[0.026]			[0.022]	[0.026]
Saskatchewan	-0.190***	0.108***	-0.196***	0.125***			-0.198***	0.117***
Jaskalchewan	[0.022]	[0.025]	[0.022]	[0.025]			[0.022]	[0.025]
Alberta	-0.119***	0.003	-0.116***	0.001			-0.117***	-0.006
Alberta	[0.023]	[0.022]	[0.023]	[0.022]			[0.023]	[0.022]
British Columbia	-0.106***	0.019	-0.102***	0.016			-0.105***	0.015
	[0.024]	[0.024]	[0.024]	[0.024]			[0.024]	[0.024]
S Language								
French outside Québec	0.043	0.005	0.048	-0.007			0.050	0.001
	[0.034]	[0.035]	[0.034]	[0.035]			[0.035]	[0.034]
English in Québec	0.047	0.041	0.048	0.035			0.051	0.034
	[0.037]	[0.041]	[0.037]	[0.042]			[0.038]	[0.041]
amily Structure (Two Parents)								
Mother Only	-0.018	-0.047*	-0.012	-0.049*			-0.013	-0.051**
	[0.024]	[0.026]	[0.025]	[0.026]			[0.024]	[0.025]
Father Only	0.030	-0.090**	0.027	-0.079*			0.025	-0.083*
	[0.051]	[0.045]	[0.051]	[0.046]			[0.051]	[0.047]
Other	0.011	0.000	-0.005	0.028			-0.014	0.032
	[0.085]	[0.100]	[0.085]	[0.107]			[0.084]	[0.108]
arents' Highest Level of Education	-0.008**	0.064***	-0.008**	0.058***			-0.009**	0.057***
arents highest Level of Education	[0.003]	[0.004]	[0.004]	[0.004]			[0.004]	[0.004]
amily Income		0.0006744*** [0.0002434]		0.0006067** [0.0002407]				0.0005663**
nmigrant Status (Not an Immigrant)	-	-	-				-	-
First Generation	0.013	0.126***	0.008	0.123***			0.005	0.125***
	[0.034]	[0.038]	[0.034]	[0.038]			[0.034]	[0.038]
Second Generation	-0.010	0.120***	-0.009	0.117***			-0.011	0.115***
	[0.021]	[0.023]	[0.021]	[0.023]			[0.021]	[0.023]
	-0.059	-0.025	-0.050	-0.037			-0.046	-0.043
Unknown/Don't Know								

Table 3b: CULTCOM Index Components (PISA), Males

cont ...

	Basio	c Model	In	dex	Sepa	rately	Jo	intly
	College	University	College	University	College	University	College	University
Cultural Communication with Parents			-0.011 [0.008]	0.083*** [0.007]				
How often do your parents (Never)			[]	1 1				
discuss political or social issues with you?								
A few times a year					0.015	0.050***	0.007	0.031
					[0.020]	[0.019]	[0.021]	[0.019]
Once a month.					0.004	0.141***	-0.001	0.118***
					[0.023]	[0.023]	[0.024]	[0.024]
Several times a month					-0.032	0.209***	-0.037	0.188***
					[0.022]	[0.024]	[0.024]	[0.026]
several times a week					-0.018	0.236***	-0.021	0.221***
					[0.027]	[0.029]	[0.030]	[0.032]
discuss books, films or television programmes with yc								
A few times a year					0.001	0.094***	-0.002	0.072***
					[0.027]	[0.026]	[0.027]	[0.027]
Once a month.					0.018	0.140***	0.021	0.092***
					[0.028]	[0.028]	[0.029]	[0.028]
Several times a month					0.005	0.161***	0.013	0.078***
					[0.026]	[0.026]	[0.027]	[0.028]
several times a week					-0.002	0.177***	0.014	0.054*
					[0.027]	[0.028]	[0.029]	[0.029]
listen to Classical music with you?					0.040	0.00.000	0.005	
A few times a year					-0.042*	0.084***	-0.038	0.037
					[0.023]	[0.023]	[0.023]	[0.023]
Once a month.					0.010	0.002	0.015	-0.033
					[0.035]	[0.032]	[0.036]	[0.031]
Several times a month					-0.086***	0.096***	-0.080**	0.036
					[0.033]	[0.037]	[0.033]	[0.035]
several times a week					-0.012 [0.037]	0.046 [0.037]	-0.006 [0.038]	-0.009 [0.035]
Observations	0	120	0	015				908

## Table 3b: CULTCOM Index Components (PISA), Males, continued

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

Location - Urban (Rural)		Basic	Model	Inc	dex	Sepa	arately	Joi	ntly
IP. Order         [0.017]         [0.018]         [0.017]         [0.018]         [0.017]         [0.018]           IP. Service Charation         .0.140***         .0.139***         .0.151****         .0.164****         .0.164****         .0.164****         .0.164****         .0.164****         .0.164****         .0.164*****         .0.164****		College	University	College	University	College	University	College	University
IP. Order         [0.017]         [0.018]         [0.017]         [0.018]         [0.017]         [0.018]           IP. Service Charation         .0.140***         .0.139***         .0.151****         .0.164****         .0.164****         .0.164****         .0.164****         .0.164****         .0.164****         .0.164*****         .0.164****	HS Location - Urban (Rural)	-0.047***	0.053***	-0.049***	0.055***			-0.048***	0.055***
Sector									
D.0.261         D.0.261 <t< td=""><td>IS Province (Ontario)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	IS Province (Ontario)								
These Ramad stand         -0.183***         0.185***         -0.183***         0.185***           None Section         -0.184***         0.185***         0.028]         [0.026]           None Section         -0.184***         0.184***         -0.188***         0.184***           None Section         -0.184***         -0.188***         0.184***         -0.188***         0.184***           None Section         -0.066***         0.151***         -0.168***         0.0221         [0.022]         [0.022]         [0.022]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.024]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]	Newfoundland and Labrador								
00.024          00.026          00.026          00.026          00.026          00.026            00.033          00.025          00.026          00.026          00.023          00.026            00.023          00.026          00.026          00.023          00.026          00.023          00.026            00.024          00.026          00.026          00.024          00.026          00.024          00.026            Nate         00.024          00.027          00.024          00.026          00.024          00.026          00.024          00.026          00.024          00.026          00.027          00.024          00.026          00.024          00.026          00.024          00.026          00.024          00.027          00.024          00.027          00.024          00.027          00.024          00.027          00.026          00.027          00.026          00.027          00.026          00.027          00.026          00.027          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026          00.026									
sous Section         -0.183***         0.183***         0.184***         -0.183***         0.184***           10.0231         [0.025]         [0.026]         [0.026]         [0.026]           store Brunswick         -0.166***         0.151***         -0.166***         0.154***           10.0241         [0.026]         [0.026]         [0.026]         [0.026]           store Construct         0.012         -0.056**         0.011         -0.055**         0.017         -0.064**           10.0241         [0.027]         [0.026]         [0.024]         [0.026]         [0.024]         [0.026]           statistic threan         -0.161***         0.090***         -0.164***         0.095***         -0.164**         0.095***           statistic threan         -0.021***         -0.026***         -0.042**         10.0221         [0.027]         10.0241         [0.027]         10.0241         [0.027]         10.0241         [0.027]         10.0241         [0.027]         10.0261         [0.026]         10.027]         10.0261         [0.026]         10.027]         10.0261         [0.026]         10.0261         10.0261         10.0261         10.0261         10.0261         10.0261         10.0261         10.0261         10.0261         10.	Prince Edward Island		0.191***		0.195***				0.195***
Seve Brunsekk         -0.168***         0.161***         -0.168***         0.161***           10.0241         [0.026]         [0.024]         [0.026]         [0.026]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.026]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.026]         [0.024]         [0.026]         [0.024]         [0.026]         [0.024]         [0.026]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.026]	Nova Scotia	-0.184***	0.187***	-0.183***	0.184***			-0.188***	0.191***
10.0241         10.0261         10.0261         10.0261         10.0261           Jaabae         0.021         -0.056**         0.011         -0.055**         0.017         -0.061***           Jaabae         0.0241         10.0271         10.0241         10.0271         10.0261         10.0241         10.0271           Sastattewan         -0.161***         0.096***         -0.044***         0.04241         10.0271         10.0241         10.0271         10.0241         10.0271         10.0241         10.0271         10.0261         10.0261         10.0261         10.0271         10.0241         10.0271         10.0261         10.0261         10.0261         10.0261         10.0261         10.0271         10.0241         10.0271         10.0261         10.0261         10.0261         10.0261         10.0261         10.0261         10.0261         10.0271         10.0261         10.0271         10.0271         10.0261         10.0271         10.0261 <td></td> <td>[0.023]</td> <td>[0.025]</td> <td>[0.023]</td> <td>[0.026]</td> <td></td> <td></td> <td>[0.023]</td> <td>[0.026]</td>		[0.023]	[0.025]	[0.023]	[0.026]			[0.023]	[0.026]
Daskec         0.012         -0.056**         0.011         -0.055**           Itenites         -0.0241         [0.024]         [0.026]         [0.023]         [0.033]         [0.033]         [0.033]         [0.033]         [0.033]         [0.033	New Brunswick	-0.168***	0.151***	-0.168***	0.154***			-0.168***	0.161***
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		[0.024]	[0.026]	[0.024]	[0.026]			[0.023]	[0.026]
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Québec								
Maintoba         -0.161***         0.090***         -0.144***         0.092**         -0.168***         0.005***           Saskactnewan         -0.141***         0.0241         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.025]         [0.026]         -0.142***         -0.042**         -0.049***         -0.049***         -0.016***         -0.049***         -0.049***         -0.025         [0.025]         [0.026]         [0.025]         [0.026]         [0									
ID         ID<	Manitoba								
Saskachwan         -0.141***         0.0241         0.0241         0.0271         0.0221*         0.0271           Iberta         -0.073***         -0.049*         -0.050**         -0.050**         -0.0021           ishis Columbia         -0.094**         -0.025         [0.025]         [0.025]         [0.026]         [0.026]         [0.026]           ishis Columbia         -0.094***         -0.006         -0.032**         -0.006           ishis Columbia         -0.094***         -0.006         -0.033**         -0.008           ishis Columbia         -0.094***         -0.008         -0.032         0.002         0.025           ishis Columbia         0.003         0.023         0.000         0.032         0.002         0.025           isnotise Guidase         0.012         0.060         0.013         0.055         0.009         0.063           inglish in Quebee         0.012         0.060         0.013         0.055         0.009         0.025           isnot columbia         0.025         -0.037         0.021         -0.029         0.018         -0.022           isnot columbia         0.025         -0.037         0.021         -0.025         0.066         -0.022 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Io.0241         [0.027]         [0.024]         [0.027]         [0.026]         [0.027]         [0.026] <t< td=""><td>Seeketek europ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Seeketek europ								
Uberta         -0.073**         -0.049*         -0.072***         -0.050*         -0.076***         -0.049*           [0.025]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]           striksh Columbia         -0.094**         -0.006         -0.093***         -0.006         -0.093***         -0.006           itten outside Qubbec         0.003         0.023         [0.026]         [0.033]         [0.036]           itten outside Qubbec         0.012         0.060         0.013         0.055         0.009         0.063           ingista in Quebec         0.012         0.060         0.013         0.055         0.009         0.063           ingista in Quebec         0.012         0.060         0.013         0.055         0.018         -0.022           mily Structure (Two Parents)         0.025         -0.037         0.021         -0.029         0.018         -0.021           stater Ony         0.0252         -0.037         0.021         -0.029         0.066         -0.071           istater Ony         0.0552         [0.057]         [0.028]         [0.059]         [0.044]         [0.078]           istater Ony         0.0552         [0.057] <t< td=""><td>Jaskatchewan</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Jaskatchewan								
aritish Columbia         [0.025]         [0.026]         [0.024]         [0.025]         [0.026]									
Shitsh Columbia         -0.094***         -0.006         -0.096         -0.006         -0.093***         -0.006           Language         [0.024]         [0.025]         [0.025]         [0.026]         [0.026]         [0.026]           irench outside Quèbec         0.003         0.023         0.000         0.032         0.002         0.025           irench outside Quèbec         0.012         0.066         0.013         0.055         0.009         0.063           inglish in Quèbec         0.012         0.066         0.013         0.0551         [0.043]         [0.043]           inglish in Quèbec         0.012         0.066         0.013         0.0551         [0.043]         [0.043]           inglish in Quèbec         0.012         0.066         0.013         0.0551         [0.043]         [0.043]           inglish in Quèbe         0.025         -0.037         0.021         -0.029         0.018         -0.022           inglish in Quèbe         0.025         -0.037         0.021         -0.029         0.018         -0.022           inglish in Quèbe         0.027         0.0521         [0.059]         [0.048]         [0.059]           itater only         [0.052]         [0.057]         [	Alberta								
[0.024]       [0.026]       [0.025]       [0.026]       [0.026]         Language									
Language         Total         Description         Description <thdes< td=""><td>fritish Columbia</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thdes<>	fritish Columbia								
rench outside Québec         0.003         0.023         0.000         0.032         0.002         0.025           inglish in Québec         0.0134         [0.035]         [0.034]         [0.036]         [0.036]         [0.033]         [0.036]           inglish in Québec         0.012         0.060         0.013         0.055         [0.043]         [0.055]         [0.043]         [0.056]           nily Structure (Two Parents)         0.025         -0.037         0.021         -0.029         0.018         -0.022           iather Only         0.025         -0.037         0.021         -0.090*         -0.095         0.068         -0.070           iather Only         0.032         -0.060         0.027         -0.052         [0.048]         [0.028]           iather Only         0.030         -0.060         0.027         -0.052         [0.048]         [0.078]         [0.048]         [0.078]         [0.048]         [0.066]         [0.078]         [0.048]         [0.078]         [0.048]         [0.078]         [0.048]         [0.078]         [0.064]         [0.078]         [0.048]         [0.078]         [0.087]         [0.003]         [0.044]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]		[0.024]	[0.026]	[0.025]	[0.026]			[0.024]	[0.026]
inglish in Québec         [0.034]         [0.035]         [0.034]         [0.036]         [0.033]         [0.033]         [0.036]           inglish in Québec         0.012         0.060         0.013         0.055         0.043]         [0.056]           inglish in Québec         0.043         [0.055]         [0.043]         [0.056]         [0.043]         [0.056]           inlly Structure (Two Parents)         0.025         -0.037         0.021         -0.029         [0.024]         [0.028]           iather Only         0.033         -0.102*         0.090*         -0.095         0.068         -0.072           iather Only         0.052         [0.057]         [0.052]         [0.059]         [0.048]         [0.026]           iather Only         0.052         [0.057]         [0.052]         [0.059]         [0.048]         [0.056]           ther         0.033         -0.060         0.027         -0.052         0.051         -0.066           inters' Highest Level of Education         -0.004         0.064***         -0.003         0.062***         [0.003]         [0.004]           inly income         0.0000448         0.0020179***         0.000417         0.018849***         0.00000599         0.018284* <tr< td=""><td>Language</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	Language								
English in Québec         0.012         0.060         0.013         0.055         0.009         0.063           Inily Structure (Two Parents)         Io.043]         [0.043]         [0.043]         [0.043]         [0.028]           Inity Structure (Two Parents)         Io.022         -0.037         0.021         -0.029         0.018         -0.022           Inity         0.025         -0.037         0.021         -0.029         0.018         -0.022           Iather Only         0.0252         -0.037         0.021         [0.028]         [0.024]         [0.028]           Iather Only         0.093*         -0.102*         0.090*         -0.095         0.069         -0.070           Inter Only         0.052]         [0.057]         [0.052]         [0.058]         [0.048]         [0.056]           Inter         0.030         -0.060         0.027         -0.052         0.051         -0.066           Inter         0.0004         0.064***         -0.003         0.062***         -0.005         0.062***           rents' Highest Level of Education         -0.004         0.064***         -0.003         Io.0041*         Io.003         Io.0041           nity Income         0.0000448         0.0020179***	rench outside Québec	0.003	0.023	0.000	0.032			0.002	0.025
inity Structure (Two Parents)         [0.043]         [0.055]         [0.043]         [0.056]         [0.043]         [0.056]           Inity Structure (Two Parents)         [0.024]         [0.023]         [0.024]         [0.028]         [0.024]         [0.028]           Inity         0.093*         -0.102*         0.009*         -0.095         0.069         -0.072           ather Only         0.0552         [0.057]         [0.057]         [0.052]         [0.057]         [0.058]           inter         0.030         -0.060         0.027         -0.052         0.051         -0.066           inter         0.030         -0.060         0.027         -0.052         0.051         -0.066           inter         0.030         -0.060         0.027         -0.052         0.051         -0.066           inter         0.0004         0.064****         -0.003         0.062***         [0.003]         [0.004]           intig Income         0.0000448         0.0020179***         0.0000417         0.0018849***         0.00005599         0.0018284*           inity Income         0.00004880]         [0.003325]         [0.003325]         [0.003325]         [0.003302]         [0.0003302]         [0.0003302]         [0.0004883		[0.034]	[0.035]	[0.034]	[0.036]			[0.033]	[0.036]
Inity Structure (Two Parents)         0 <th0< td=""><td>nglish in Québec</td><td>0.012</td><td>0.060</td><td>0.013</td><td>0.055</td><td></td><td></td><td>0.009</td><td>0.063</td></th0<>	nglish in Québec	0.012	0.060	0.013	0.055			0.009	0.063
Interior Only         0.025         -0.037         0.021         -0.029         0.018         -0.022           Isather Only         ISO241         [ISO24]         [ISO24]         [ISO24]         [ISO28]         [IS	•	[0.043]	[0.055]	[0.043]	[0.054]			[0.043]	[0.056]
[0.024]       [0.028]       [0.024]       [0.028]       [0.028]         *ather Only       0.093*       -0.102*       0.090*       -0.095       0.069       -0.070         [0.052]       [0.057]       [0.052]       [0.059]       [0.048]       [0.056]         Dither       0.030       -0.060       0.027       -0.052       0.051       -0.066         [0.079]       [0.087]       [0.078]       [0.084]       [0.078]       [0.084]         rents' Highest Level of Education       -0.004       0.064***       -0.003       0.062***       -0.005       0.062***         [0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]         mily Income       0.0000448       0.0020179***       0.0000417       0.0018849***       0.0000599       0.0018284*         [0.0003357]       [0.0004880]       [0.0003325]       [0.0004882]       [0.0003302]       [0.004883         migrant Status (Not an Immigrant)       ****       -0.078**       0.185***       -0.087**       0.191***         [0.035]       [0.038]       [0.038]       [0.038]       [0.038]       [0.034]       [0.037]         second Generation       -0.047**       0.130**	mily Structure (Two Parents)								
image: state only       [0.024]       [0.028]       [0.024]       [0.028]       [0.028]         ister only       0.093*       -0.102*       0.090*       -0.095       0.069       -0.070         ibiter       0.052]       [0.057]       [0.052]       [0.058]       [0.048]       [0.056]         other       0.030       -0.060       0.027       -0.052       0.051       -0.066         [0.079]       [0.087]       [0.078]       [0.084]       [0.003]       [0.004]       [0.003]         rents' Highest Level of Education       -0.004       0.064***       -0.003       0.062***       -0.005       0.062***         [0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]         mily Income       0.0000448       0.0020179***       0.000417       0.0018849***       0.0000599       0.0018284*         [0.0003357]       [0.0004880]       [0.0003325]       [0.0004882]       [0.0003302]       [0.004883]         migrant Status (Not an Immigrant)       =       =       -       -       -       -       -       0.087**       0.191***         Second Generation       -0.047**       0.136***       -0.078**       0.185***	Mother Only	0.025	-0.037	0.021	-0.029			0.018	-0.022
Sather Only         0.093*         -0.102*         0.090*         -0.095         0.069         -0.070           ID: 0.52]         [0.057]         [0.052]         [0.059]         [0.048]         [0.056]           Dather         0.030         -0.060         0.027         -0.052         0.051         -0.066           [0.079]         [0.087]         [0.078]         [0.084]         [0.078]         [0.084]           rents' Highest Level of Education         -0.004         0.064***         -0.003         0.062***         -0.005         0.0059         0.001824**           [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]           mily Income         0.0000448         0.0020179***         0.0000417         0.0018849***         0.0000599         0.0018284*           [0.0003357]         [0.0004880]         [0.0003325]         [0.0004882]         [0.0003302]         [0.004883           migrant Status (Not an Immigrant)         ****         -0.078**         0.185***         -0.087**         0.191***           [0.035]         [0.038]         [0.035]         [0.038]         [0.037]         =0.047**         0.1047**         0.1045**         -0.045**         0.0414 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
10.052]       [0.057]       [0.052]       [0.059]       [0.048]       [0.056]         0.030       -0.060       0.027       -0.052       0.051       -0.066         [0.079]       [0.087]       [0.078]       [0.084]       [0.078]       [0.084]         rents' Highest Level of Education       -0.004       0.064***       -0.003       0.062***       -0.005       0.062***         [0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]         mily Income       0.0000448       0.0020179***       0.0000417       0.0018849***       0.0000599       0.0018284*         [0.003357]       [0.004880]       [0.003325]       [0.004882]       [0.003302]       [0.004883]         migrant Status (Not an Immigrant)       -       -       -       -       -       -       -       0.087**       0.191***       -       0.087**       0.191***       -       0.087**       0.191***       -       0.041**       -       0.045***       0.1038]       [0.038]       [0.038]       [0.038]       [0.038]       [0.022]       [0.026]       -       0.045***       0.191***       -       0.045***       0.131***       -       0.045***       0.026	other Only								
Dather         0.030         -0.060         0.027         -0.052         0.051         -0.066           [0.079]         [0.087]         [0.078]         [0.084]         [0.078]         [0.084]           rents' Highest Level of Education         -0.004         0.064***         -0.003         0.062***         -0.004         [0.004]         [0.003]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.003]         [0.004]         [0.02]         [0.028]	atter Only								
[0.079]       [0.087]       [0.078]       [0.084]       [0.078]       [0.084]         rents' Highest Level of Education       -0.004       0.064***       -0.003       0.062***       -0.005       0.062***         [0.003]       [0.004]       [0.003]       [0.004]       [0.004]       [0.003]       [0.004]         nily Income       0.0000448       0.0020179***       0.0000417       0.0018849***       0.0000599       0.0018284*         [0.0003357]       [0.0004880]       [0.0003325]       [0.0004882]       0.0000599       0.0018284*         nigrant Status (Not an Immigrant)									
rents' Highest Level of Education         -0.004         0.064***         -0.003         0.062***         -0.005         0.062***           [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]           mily Income         0.0000448         0.0020179***         0.0000417         0.0018849***         0.0000599         0.0018284*           [0.0003357]         [0.0004880]         [0.0003325]         [0.0003325]         [0.0004882]         [0.0003302]         [0.0004883]           migrant Status (Not an Immigrant)         ***         -0.078**         0.185***         -0.087**         0.191***           [0.035]         [0.038]         [0.035]         [0.038]         [0.034]         [0.037]           Second Generation         -0.047**         0.130***         -0.047**         0.134***         -0.045**           [0.022]         [0.025]         [0.022]         [0.026]         [0.022]         [0.026]         [0.022]         [0.026]           Jnknown/Don't Know         0.052         -0.056         0.053         -0.058         0.024         -0.037	/ther								
[0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]         mily Income       0.0000448       0.0020179***       0.0000417       0.0018849***       0.0000599       0.0018284*         [0.0003357]       [0.0004880]       [0.0003325]       [0.0004882]       [0.0003302]       [0.0004883]         nigrant Status (Not an Immigrant)       "       -       -       -       -       -       -       0.185***       -       -       0.081**       0.191***       0.0041**       0.031**       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.047**       0.191***       -       0.047**       0.191***       -       0.047**       0.191***       -       0.047**       0.191***       -       0.045**       0.0191***       -       0.045**       0.0191***       -       0.045**       0.191***       -       0.045**       0.0191***       -       0.045**       0.0191***       0.045**       0.021** <td< td=""><td></td><td>[0.079]</td><td>[0.087]</td><td>[0.078]</td><td>[0.084]</td><td></td><td></td><td>[0.078]</td><td>[0.084]</td></td<>		[0.079]	[0.087]	[0.078]	[0.084]			[0.078]	[0.084]
[0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]         mily Income       0.0000448       0.0020179***       0.0000417       0.0018849***       0.0000599       0.0018284*         [0.0003357]       [0.0004880]       [0.0003325]       [0.0004882]       [0.0003302]       [0.0004883]         nigrant Status (Not an Immigrant)       "       -       -       -       -       -       -       0.185***       -       -       0.081**       0.191***       0.0041**       0.031**       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.0191***       -       0.047**       0.191***       -       0.047**       0.191***       -       0.047**       0.191***       -       0.047**       0.191***       -       0.045**       0.0191***       -       0.045**       0.0191***       -       0.045**       0.191***       -       0.045**       0.0191***       -       0.045**       0.0191***       0.045**       0.021** <td< td=""><td>untel linkent level of Education</td><td>0.004</td><td>0.064***</td><td>0.002</td><td>0.062***</td><td></td><td></td><td>0.005</td><td>0.062***</td></td<>	untel linkent level of Education	0.004	0.064***	0.002	0.062***			0.005	0.062***
[0.0003357]       [0.0004880]       [0.0003325]       [0.0004882]       [0.0003302]       [0.0004883]         migrant Status (Not an Immigrant)       -0.078**       0.186***       -0.078**       0.185***       -0.087**       0.191***         sires Generation       -0.078**       0.186***       -0.078*       0.185***       -0.087**       0.191***         second Generation       -0.047**       0.130***       -0.047**       0.134***       -0.045**       0.131***         second Generation       -0.022       [0.025]       [0.022]       [0.026]       [0.022]       [0.026]         JInknown/Don't Know       0.052       -0.056       0.053       -0.058       0.024       -0.037	rents' Highest Level of Education								
[0.0003357]         [0.0004880]         [0.000325]         [0.0004882]         [0.0003302]         [0.0004883]           nigrant Status (Not an Immigrant)									
migrant Status (Not an Immigrant)         -0.078**         0.186***         -0.078**         0.185***         -0.087**         0.191***           First Generation         -0.035]         [0.035]         [0.035]         [0.038]         [0.037]           Second Generation         -0.047**         0.130***         -0.047**         0.134***         -0.045**         0.131***           [0.022]         [0.025]         [0.022]         [0.026]         [0.022]         [0.026]           Jnknown/Don't Know         0.052         -0.056         0.053         -0.058         0.024         -0.037	mily Income	0.0000448	0.0020179***	0.0000417	0.0018849***			0.0000599	0.0018284**
First Generation         -0.078**         0.186***         -0.078**         0.185***         -0.087**         0.191***           [0.035]         [0.038]         [0.035]         [0.038]         [0.037]         [0.037]           Second Generation         -0.047**         0.130***         -0.047**         0.134***         -0.045**         -0.045**         0.021         [0.022]         [0.022]         [0.026]         [0.026]         [0.027]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]         [0.026		[0.0003357]	[0.0004880]	[0.0003325]	[0.0004882]			[0.0003302]	[0.0004883]
[0.035]         [0.038]         [0.035]         [0.038]         [0.037]           Second Generation         -0.047**         0.130***         -0.047**         0.134***         -0.045**         0.131***           [0.022]         [0.025]         [0.022]         [0.026]         [0.026]         [0.026]         [0.026]           Jnknown/Don't Know         0.052         -0.056         0.053         -0.058         0.024         -0.037	migrant Status (Not an Immigrant)								
Second Generation         -0.047*         0.130***         -0.047*         0.134***         -0.045*         0.131***           [0.022]         [0.025]         [0.022]         [0.026]         [0.022]         [0.026]           Jnknown/Don't Know         0.052         -0.056         0.053         -0.058         0.024         -0.037	First Generation	-0.078**	0.186***	-0.078**	0.185***			-0.087**	0.191***
Second Generation         -0.047**         0.130***         -0.047**         0.134***         -0.045**         0.131***           [0.022]         [0.025]         [0.022]         [0.026]         [0.022]         [0.026]           Jnknown/Don't Know         0.052         -0.056         0.053         -0.058         0.024         -0.037		[0.035]	[0.038]	[0.035]	[0.038]			[0.034]	[0.037]
[0.022]         [0.025]         [0.022]         [0.026]         [0.026]         [0.026]           Inknown/Don't Know         0.052         -0.056         0.053         -0.058         0.024         -0.037	econd Generation	-0.047**							
Inknown/Don't Know 0.052 -0.056 0.053 -0.058 0.024 -0.037									
	nknown/Don't Know								
		[0.001]	[0.000]	[0.001]	[0.000]			[0.000]	[0.003]

## Table 4a: SOCCOM Index Components (PISA), Females

cont . . .

	Basic	Model	In	dex	Sepa	rately	Joi	ntly
	College	University	College	University	College	University	College	University
Social Communication with Parents			-0.002 [0.008]	0.061*** [0.008]				
How often do your parents (Never)				[]				
Discuss how well you are doing at school? (Not at all)								
A few times a year					0.049	0.036	0.066	-0.007
					[0.062]	[0.057]	[0.063]	[0.057]
Once a month					0.063	0.043	0.093	-0.031
					[0.060]	[0.055]	[0.062]	[0.058]
Several times a month					0.049	0.060	0.089	-0.029
					[0.056]	[0.053]	[0.058]	[0.057]
Several times a week					0.028	0.109**	0.071	0.011
					[0.053]	[0.052]	[0.053]	[0.056]
Eat Dinner with you around a table? (Not at all)								
A few times a year					-0.084*	0.039	-0.100**	0.026
					[0.050]	[0.053]	[0.049]	[0.051]
Once a month					-0.016	0.058	-0.024	0.031
					[0.050]	[0.049]	[0.049]	[0.049]
Several times a month					-0.095**	0.107**	-0.101***	0.074*
					[0.038]	[0.042]	[0.039]	[0.043]
Several times a week					-0.102***	0.167***	-0.101***	0.128***
					[0.036]	[0.037]	[0.037]	[0.040]
Spend time just talking to you? (Not at all)								
A few times a year					0.019	0.078	0.004	0.082
					[0.052]	[0.054]	[0.051]	[0.054]
Once a month					-0.024	0.173***	-0.041	0.163***
					[0.043]	[0.048]	[0.044]	[0.051]
Several times a month					-0.057	0.181***	-0.073*	0.162***
					[0.038]	[0.043]	[0.040]	[0.047]
Several times a week					-0.067*	0.205***	-0.081**	0.170***
					[0.037]	[0.040]	[0.040]	[0.045]
Observations	8.	518	8	477			8:	380

#### Table 4a: SOCCOM Index Components (PISA), Females, continued

Standard errors in brackets. Average marginal effects shown. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

	Basic	Model	In	dex	Sepa	arately	Joi	ntly
	College	University	College	University	College	University	College	University
HS Location - Urban (Rural)	-0.023	0.078***	-0.023	0.074***			-0.024	0.077***
	[0.017]	[0.016]	[0.017]	[0.016]			[0.017]	[0.017]
HS Province (Ontario)								
Newfoundland and Labrador	-0.087***	0.118***	-0.082***	0.111***			-0.086***	0.110***
	[0.028]	[0.029]	[0.028]	[0.029]			[0.028]	[0.029]
Prince Edward Island	-0.189***	0.216***	-0.190***	0.224***			-0.187***	0.220***
	[0.025]	[0.028]	[0.025]	[0.027]			[0.025]	[0.028]
Nova Scotia	-0.155***	0.162***	-0.153***	0.163***			-0.159***	0.165***
	[0.024]	[0.026]	[0.024]	[0.025]			[0.024]	[0.026]
New Brunswick	-0.169***	0.145***	-0.171***	0.153***			-0.174***	0.159***
	[0.023]	[0.026]	[0.023]	[0.025]			[0.024]	[0.026]
Québec	0.020	-0.077***	0.018	-0.075***			0.016	-0.088***
	[0.025]	[0.020]	[0.026]	[0.020]			[0.026]	[0.021]
Manitoba	-0.216***	0.112***	-0.218***	0.124***			-0.223***	0.124***
	[0.022]	[0.027]	[0.022]	[0.027]			[0.022]	[0.027]
Saskatchewan	-0.190***	0.108***	-0.198***	0.124***			-0.198***	0.113***
	[0.022]	[0.025]	[0.022]	[0.025]			[0.022]	[0.025]
Alberta	-0.119***	0.003	-0.116***	0.003			-0.120***	0.003
Albeita	[0.023]	[0.022]	[0.023]	[0.022]			[0.023]	[0.022]
British Columbia	-0.106***	0.019	-0.102***	0.020			-0.104***	0.018
Sritish Columbia	[0.024]	[0.024]	[0.024]	[0.024]			[0.024]	[0.024]
	[0.024]	[0.024]	[0.024]	[0:024]			[0.024]	[0.024]
S Language								
French outside Québec	0.043	0.005	0.044	0.011			0.043	0.005
	[0.034]	[0.035]	[0.033]	[0.037]			[0.034]	[0.038]
English in Québec	0.047	0.041	0.052	0.031			0.050	0.041
	[0.037]	[0.041]	[0.038]	[0.042]			[0.038]	[0.042]
amily Structure (Two Parents)								
Mother Only	-0.018	-0.047*	-0.017	-0.035			-0.021	-0.030
Mother Only	[0.024]	[0.026]	[0.024]	[0.026]			[0.025]	[0.026]
Esther Only	0.030	-0.090**	0.024	-0.076*			0.019	-0.073*
Father Only								
	[0.051]	[0.045]	[0.049]	[0.043]			[0.050]	[0.044]
Other	0.011	0.000	0.011	0.024			-0.010	0.046
	[0.085]	[0.100]	[0.087]	[0.106]			[0.082]	[0.103]
arents' Highest Level of Education	-0.008**	0.064***	-0.008**	0.061***			-0.009**	0.061***
arents highest Level of Education	[0.003]	[0.004]	[0.003]	[0.004]			[0.004]	[0.004]
	[0.000]	[0:00 1]	[0:000]	[0:00 1]			[0:00 1]	[0.001]
mily Income	-0.0000482	0.0006744***	-0.0000619	0.0006090***			-0.0000155	0.0002118**
	[0.0002192]	[0.0002434]	[0.0002017]	[0.0002234]			[0.0006299]	[0.0002359]
migrant Status (Not an Immigrant)								
First Generation	0.013	0.126***	0.008	0.130***			-0.002	0.136***
	[0.034]	[0.038]	[0.034]	[0.039]			[0.034]	[0.039]
Second Generation	-0.010	0.120***	-0.009	0.119***			-0.008	0.121***
	[0.021]	[0.023]	[0.022]	[0.023]			[0.021]	[0.023]
Unknown/Don't Know	-0.059	-0.025	-0.058	-0.036			-0.052	-0.036
	[0.054]	[0.062]	[0.055]	[0.062]			[0.055]	[0.060]
	[0.004]	[0.002]	[0.000]	[0.002]			[0.000]	[0.000]
								cont

## Table 4b: SOCCOM Index Components (PISA), Males

cont . . .

	Basic	Model	In	dex	Sepa	arately	Jo	intly
	College	University	College	University	College	University	College	Universit
Social Communication with Parents			-0.015* [0.008]	0.066*** [0.008]				
How often do your parents (Never)								
Discuss how well you are doing at school? (Not at all)								
A few times a year					0.079	0.072	0.073	0.029
					[0.063]	[0.058]	[0.066]	[0.061]
Once a month					0.079	0.114*	0.066	0.054
					[0.061]	[0.059]	[0.065]	[0.066]
Several times a month					0.087	0.146**	0.079	0.062
					[0.059]	[0.060]	[0.063]	[0.069]
Several times a week					0.042	0.159***	0.041	0.055
					[0.055]	[0.059]	[0.058]	[0.070]
Eat Dinner with you around a table? (Not at all)								
A few times a year					0.029	0.069	0.023	0.053
					[0.056]	[0.050]	[0.057]	[0.049]
Once a month					-0.021	0.053	-0.049	0.032
					[0.051]	[0.047]	[0.051]	[0.046]
Several times a month					-0.008	0.114***	-0.029	0.090**
					[0.043]	[0.041]	[0.044]	[0.042]
Several times a week					-0.025	0.196***	-0.048	0.160***
					[0.040]	[0.033]	[0.043]	[0.037]
Spend time just talking to you? (Not at all)								
A few times a year					0.046	0.017	0.042	-0.015
					[0.042]	[0.036]	[0.042]	[0.036]
Once a month					0.028	0.065*	0.025	0.011
					[0.038]	[0.036]	[0.040]	[0.037]
Several times a month					0.038	0.111***	0.042	0.044
					[0.036]	[0.036]	[0.038]	[0.038]
Several times a week					-0.003	0.166***	0.006	0.094**
					[0.034]	[0.036]	[0.036]	[0.039]
Observations	8	120	8	.017			7	907

### Table 4b: SOCCOM Index Components (PISA), Males, continued

St Location - Urban (Rural)         -0.047***         0.053***         -0.048***         0.053***           B Location - Urban (Rural)         [0.017]         [0.018]         [0.017]         [0.018]         [0.017]         [0.018]           S Province (Crunito)         Newfoundiand and Labrador         -0.140***         0.142***         -0.138***         0.140***         -0.138***         0.142***           10.026]         [0.026]         [0.026]         [0.026]         [0.027]         [0.027]         [0.027]           Nova Socia         -0.184***         0.187***         -0.187***         -0.182***         -0.182***           Nova Socia         -0.184***         0.187***         -0.180***         -0.180***         -0.180***           New Brunswick         -0.168***         0.187***         -0.180***         -0.188***         -0.188***           10.0241         [0.026]         [0.0241]         [0.026]         [0.027]         [0.026]           Guebec         0.012         -0.056**         0.018***         -0.168***         -0.168***           10.0241         [0.027]         [0.0241]         [0.027]         [0.027]         [0.026]           Stakactewan         -0.141***         -0.139***         -0.157***         -0.159***		Basic Model		In	dex	Sepa	arately	Jointly	
[0.017]         [0.018]         [0.017]         [0.018]         [0.017]         [0.019]           S Province (channel)		College	University	College	University	College	University	College	University
[0.017]         [0.018]         [0.017]         [0.018]         [0.017]         [0.018]           S Province (channel)         -	HS Location - Urban (Rural)	-0.047***	0.053***	-0.048***	0.053***			-0.052***	0.054***
Newfording and Labrador         -0.140***         -0.138***         -0.138***         -0.138***         -0.138***         -0.138***         -0.138***         -0.163***         -0.0271         -0.0221         -0.0281           Prines Exaves Island         -0.183***         0.187***         -0.185***         0.187***         -0.185***         0.187***         -0.185***         0.185***         -0.115****									
[0.026]         [0.026]         [0.027]         [0.027]         [0.027]           Pines Estand         [0.024]         [0.026]         [0.026]         [0.026]         [0.027]         [0.027]           Nors Scill         [0.024]         [0.026]         [0.026]         [0.026]         [0.027]         [0.027]           Nors Scill         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]         [0.026]           Nors Scill         [0.027]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]	IS Province (Ontario)								
PinCe Elimination         -0.183 <sup>+++</sup> -0.180 <sup>+++</sup> -0.187 <sup>+++</sup> -0.187 <sup>+++</sup> -0.187 <sup>+++</sup> Nova Scola         -0.184 <sup>++++</sup> 0.083 <sup>+++</sup> -0.185 <sup>++++</sup> -0.180 <sup>+++</sup> -0.180 <sup>+++</sup> Nova Scola         -0.184 <sup>++++</sup> -0.185 <sup>++++</sup> -0.185 <sup>++++</sup> -0.185 <sup>+++</sup> -0.185 <sup>+++</sup> New Stola         -0.181 <sup>+++</sup> -0.185 <sup>+++</sup> -0.185 <sup>+++</sup> -0.185 <sup>+++</sup> -0.185 <sup>+++</sup> New Stola         -0.181 <sup>+++</sup> -0.165 <sup>+++</sup> -0.165 <sup>++</sup> -0.165 <sup>++</sup> -0.185 <sup>+++</sup> New Stola         -0.181 <sup>+++</sup> -0.165 <sup>+++</sup> -0.058 <sup>++</sup> -0.163 <sup>+++</sup> -0.185 <sup>+++</sup> Stolac         0.012         -0.056 <sup>++</sup> 0.015 <sup>+</sup> -0.058 <sup>++</sup> -0.187 <sup>+++</sup> Stolac         0.012         -0.058 <sup>++</sup> -0.057 <sup>++</sup> -0.187 <sup>+++</sup> -0.187 <sup>+++</sup> Stolac         0.0271         10.0241         10.0271         10.0271         10.0271           Stolac         -0.077 <sup>+++</sup> -0.057 <sup>++</sup> -0.057         -0.077 <sup>+++</sup> -0.057           Stolac         -0.072 <sup>++</sup> -0.056 <sup>+</sup> -0.017         -0.062 <sup>+</sup> +         -0.057	Newfoundland and Labrador	-0.140***	0.142***	-0.138***	0.140***			-0.138***	0.137***
[0.024]         [0.026]         [0.026]         [0.026]         [0.027]         [0.026]           Now Scois         -0.180***         0.197**         -0.180***         [0.026]         [0.024]         [0.026]         [0.024]         [0.026]           New Scois         -0.180***         0.151***         -0.165***         0.164***         -0.188***         0.187***         0.087**         0.0361         [0.024]         [0.024]         [0.026]         [0.024]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.028]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.028]         [0.027]         [0.028]         [0.027]         [0.026]         [0.027]         [0.028]		[0.026]	[0.029]	[0.026]	[0.029]			[0.027]	[0.029]
News Scotal         -0.184***         -0.183***         -0.185***         -0.180***         0.179***           New Brunswick         -0.168***         0.151***         -0.165***         0.138***         -0.158***         0.138***           New Brunswick         -0.168***         0.0221         [0.024]         [0.026]         [0.024]         [0.026]           autoc         0.012         -0.056**         0.015         -0.058**         0.018         -0.058**           Manitaba         -0.161***         0.090***         -0.159***         0.088**         -0.157***         0.023           Manitaba         -0.161***         0.090***         -0.159***         0.088***         -0.163***         0.024           Manitaba         -0.161***         0.090***         -0.139***         0.074***         -0.035**         0.035           Manitaba         -0.077***         -0.049**         -0.027***         -0.050*         -0.032**         0.017           Materia         -0.027**         10.024         [0.025]         [0.026]         [0.027]         [0.027]         [0.027]           Brians Columbia         -0.084***         -0.086***         -0.012         -0.068***         -0.012           Brians Columbia         -0.024 <td>Prince Edward Island</td> <td>-0.183***</td> <td>0.191***</td> <td>-0.180***</td> <td>0.187***</td> <td></td> <td></td> <td>-0.172***</td> <td>0.182***</td>	Prince Edward Island	-0.183***	0.191***	-0.180***	0.187***			-0.172***	0.182***
[0.23]         [0.026]         [0.027]         [0.026]         [0.027]         [0.027]         [0.027]         [0.027]         [0.027]         [0.027]         [0.027]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.026]         [0.026]         [0.027]         [0.026]         [0.026]         [0.026]         [0.026] <th[0.026]< th=""> <th[0.026]< th=""> <th[0< td=""><td></td><td>[0.024]</td><td>[0.026]</td><td>[0.024]</td><td>[0.026]</td><td></td><td></td><td>[0.025]</td><td>[0.027]</td></th[0<></th[0.026]<></th[0.026]<>		[0.024]	[0.026]	[0.024]	[0.026]			[0.025]	[0.027]
New Brunsweck         -0.168 <sup>+++</sup> -0.165 <sup>+++</sup> 0.148 <sup>++-</sup> -0.168 <sup>+++</sup> -0.138 <sup>++-</sup> Boulsec         0.012         -0.0261         [0.024]         [0.026]         [0.024]         [0.027]           Buildec         0.012         -0.056 <sup>+++</sup> 0.015         -0.058 <sup>+++</sup> -0.057 <sup>+++</sup> [0.024]         [0.027]           Mantoba         -0.161 <sup>++++</sup> 0.090 <sup>++++</sup> -0.159 <sup>++++</sup> 0.088 <sup>++++</sup> -0.157 <sup>+++</sup> 0.0033 <sup>+++</sup> Bitistic Columbia         -0.161 <sup>+++++++++++++++++++++++++++++++++++</sup>	Nova Scotia	-0.184***	0.187***	-0.183***	0.185***			-0.180***	0.179***
0.024         [0.026]         [0.026]         [0.026]         [0.026]           0avbac         [0.024]         [0.027]         [0.024]         [0.027]           Manitoba         -0.161***         0.090***         -0.159***         0.088***         -0.157***         0.083**           Saskatchewan         -0.141***         0.071***         -0.139***         0.074***         -0.139***         0.074***           Saskatchewan         -0.141***         0.071***         -0.139***         0.074***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.050*         -0.072***         -0.012         -0.083***         -0.017         -0.025         [0.027]         -0.012**         -0.017         -0.021***         -0.017         -0.021****         -0.017         -0.021******         -0.017         -0.021***********************************		[0.023]	[0.025]	[0.024]	[0.026]			[0.024]	[0.026]
Quebace         0.012         -0.056**         0.018         -0.058**           Mantaba         -0.161***         0.090***         -0.159***         0.088***         -0.157***         0.083***           Saskatchewan         -0.161***         0.0241         [0.024]         [0.027]         [0.024]         [0.027]           Abersa         -0.161***         0.090***         -0.159***         0.088***         -0.157***         -0.083***           Saskatchewan         -0.141***         0.077***         -0.159***         0.050*         -0.077***         -0.050*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077**         -0.058***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.085**         -0.021         0.025         [0.025]         [0.026]         [0.026]         [0.026]         [0.036]	New Brunswick	-0.168***	0.151***	-0.165***	0.146***			-0.158***	0.138***
Quebace         0.012         -0.056**         0.018         -0.058**           Mantaba         -0.161***         0.090***         -0.159***         0.088***         -0.157***         0.083***           Saskatchewan         -0.161***         0.0241         [0.024]         [0.027]         [0.024]         [0.027]           Abersa         -0.161***         0.090***         -0.159***         0.088***         -0.157***         -0.083***           Saskatchewan         -0.141***         0.077***         -0.159***         0.050*         -0.077***         -0.050*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077***         -0.056*         -0.077**         -0.058***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.083***         -0.012         -0.085**         -0.021         0.025         [0.025]         [0.026]         [0.026]         [0.026]         [0.036]									
	Québec								
Maninoba         -0.163***         0.092***         -0.153***         0.088***         -0.137***         0.0927           Saskatchewan         -0.141***         0.0241         [0.024]         [0.024]         [0.027]         [0.024]         [0.027]           Akerta         -0.073***         -0.149**         -0.050*         -0.070***         -0.055*           Marta         -0.073**         -0.049         -0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]									
ID         ID<	Manitoba								
Sustanchewan         -0.141***         0.077***         -0.139***         0.071***           ID.0241         [0.027]         [0.024]         [0.027]         [0.025]         [0.025]           Aberta         -0.073***         -0.049*         -0.025[         [0.025]         [0.027]           ID.0255         [0.025]         [0.026]         [0.025]         [0.026]         [0.027]           British Columbia         -0.094***         -0.002         -0.012         -0.025]         [0.025]           S Language         ID.03241         [0.025]         [0.026]         [0.026]         [0.025]         [0.027]           S Language         ID.0341         [0.035]         [0.036]         [0.036]         [0.035]         [0.031]           English in Québec         0.012         0.060         0.013         0.057         0.021         0.059           Indicture (Two Parents)         Mother Only         0.022         -0.037         0.031         -0.045         0.038         -0.021           Feater Only         0.022         -0.037         0.031         -0.045         0.038         -0.021           Feater Only         0.022         0.037         0.031         -0.045         0.038         -0.021	Mantoba								
Albers         [0.024]         [0.027]         [0.026]         [0.027]         .0.073"         .0.049"         .0.050"         .0.050"         .0.070"**         .0.017           Albers         .0.073"**         .0.049"         .0.026"         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.017         .0.012         .0.013         .0.012         .0.013         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021         .0.033         .0.021	Saskatahawan								
Abberts         -0.073***         -0.049*         -0.072***         -0.050*         -0.070***         -0.068**           ID 0.025]         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]           British Columbia         -0.094***         -0.012         -0.083**         -0.012           S Language         [0.024]         [0.026]         [0.026]         [0.026]         [0.033]           English in Cubbec         0.003         0.023         [0.034]         [0.035]         [0.035]         [0.036]           English in Cubbec         0.012         0.060         0.013         0.057         [0.045]         [0.036]           atmity Structure (Two Parents)         [0.024]         [0.028]         [0.024]         [0.029]         [0.024]         [0.026]           Mother Only         0.025         -0.037         0.031         -0.045         [0.034]         [0.026]           arents' Highest Level of Education         0.002         10.0571         [0.052]         [0.057]         [0.084]         [0.082]         [0.093]           arents' Highest Level of Education         -0.004         0.064***         -0.004         0.065***         -0.0044         0.0066***           [0.0003]         [0.004]         [0	Saskatchewan								
British Columbia         [0.025]         [0.026]         [0.026]         [0.026]         [0.027]           British Columbia         -0.094***         -0.008         -0.090***         -0.012         -0.083***         -0.017           S Language         Image (0.025)         [0.026]         [0.026]         [0.027]         -0.012         -0.012         -0.012           S Language         Image (0.026)         [0.024]         [0.035]         [0.034]         [0.036]         [0.035]         [0.036]           English in Québec         0.012         0.033         [0.043]         [0.055]         [0.043]         [0.055]         [0.043]         [0.056]         [0.045]         [0.026]           amily Structure (Two Parents)         Mother Only         0.025         -0.037         0.031         -0.045         0.038         -0.021           amily Structure (Two Parents)         [0.024]         [0.027]         [0.057]         [0.026]         [0.021]           amily Structure (Two Parents)         [0.024]         [0.027]         [0.057]         [0.057]         [0.057]         [0.057]         [0.057]         [0.057]         [0.057]         [0.066]         [0.033]         -0.014         [0.066]         [0.003]         [0.004]         [0.003]         [0.004]									
British Columbia         -0.094***         -0.008         -0.090***         -0.012         -0.012         -0.017           S Language         -         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]           S Language         -         [0.034]         [0.035]         [0.034]         [0.036]         [0.036]         [0.035]         [0.036]           English in Québec         0.012         0.060         0.013         0.057         0.021         0.056]           amity Structure (Two Parents)         -         0.021         0.003         -0.024         [0.028]         [0.026]         [0.043]         [0.026]         [0.047]           Father Only         0.022         -0.037         0.031         -0.045         0.038         -0.021           Father Only         0.0221         [0.028]         [0.029]         -0.109*         0.084         -0.33*           Other         0.033         -0.064         0.0657         [0.054]         [0.066]         0.038         -0.095         0.053         -0.095         0.053         -0.095         0.053         -0.095         0.066****         -0.004         0.066****         0.00044         [0.003]         [0.0003]         [0.0037]         [0.000373]	Alberta								
[0.024]         [0.026]         [0.025]         [0.026]         [0.026]         [0.027]           S Language									
Stanguage         French outside Guébec         0.003         0.023         0.001         0.026         0.002         0.033           English in Guébec         0.012         0.060         0.013         0.0557         0.021         0.059           English in Guébec         0.012         0.060         0.013         0.0551         [0.043]         [0.055]           amily Structure (Two Parents)         (0.024)         [0.028]         [0.024]         [0.029]         [0.026]         [0.031]           Mother Only         0.025         -0.037         0.031         -0.045         0.038         -0.021           Father Only         0.025         -0.037         0.031         -0.045         0.038         -0.021           Other         0.039*         -0.102*         [0.052]         [0.057]         [0.054]         [0.088]           other         0.030         -0.060         0.038         -0.069         0.053         -0.095           other         0.030         -0.064         0.0657***         -0.004         0.066***         -0.004         0.066***           intro         0.000148         0.0020179***         0.00014         0.002295***         0.0004340         [0.0003]         [0.0003410]         [0.0003] <td>British Columbia</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	British Columbia								
French outside Québec         0.003         0.023         0.001         0.026         0.002         0.033           English in Québec         0.012         0.066         0.013         0.057         0.021         0.069           English in Québec         0.043         [0.055]         [0.043]         [0.055]         [0.043]         [0.056]           amily Structure (Two Parents)         0.025         -0.037         0.031         -0.045         0.038         -0.021           amily Structure (Two Parents)         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.026]         [0.031]           Father Only         0.025         -0.037         [0.052]         [0.057]         [0.052]         [0.057]         [0.052]         [0.057]         [0.052]         [0.057]         [0.052]         [0.061]         [0.082]         [0.091]         [0.082]         [0.091]         [0.082]         [0.091]         [0.082]         [0.091]         [0.062]         [0.091]         [0.062]         [0.091]         [0.003]         [0.091]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004] </td <td></td> <td>[0.024]</td> <td>[0.026]</td> <td>[0.025]</td> <td>[0.026]</td> <td></td> <td></td> <td>[0.025]</td> <td>[0.027]</td>		[0.024]	[0.026]	[0.025]	[0.026]			[0.025]	[0.027]
English in Québec         [0.034]         [0.035]         [0.036]         [0.036]         [0.035]         [0.036]           English in Québec         0.012         0.060         0.013         0.057         0.021         0.059           amily Structure (Two Parents)         0.025         -0.037         0.031         -0.045         [0.028]         [0.026]         [0.035]         [0.036]           Mother Only         0.025         -0.037         0.031         -0.045         0.038         -0.021         [0.028]         [0.026]         [0.035]         [0.035]         [0.036]           Father Only         0.033*         -0.102*         0.099*         -0.109*         0.084         -0.133**           [0.052]         [0.057]         [0.057]         [0.056]         [0.063]         [0.063]         [0.062]         [0.063]           other         0.030         -0.060         0.038         -0.069         0.053         -0.095         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003373]         [0.004344]         [0.0003455         0.018383*           arents' Highest Level of Education         -0.078**         0.186***	S Language								
English in Québec         0.012         0.060         0.013         0.057         0.021         0.021         0.059           mily Structure (Two Parents)         (0.043)         (0.055)         (0.043)         (0.055)         (0.045)         (0.061)           mily Structure (Two Parents)         (0.024)         (0.028)         (0.024)         (0.029)         (0.026)         (0.038)         -0.021           Father Only         0.093*         -0.102*         0.099*         -0.109*         0.084         -0.133**           Other         0.030         -0.060         0.038         -0.069         0.053         -0.069           other         0.030         -0.064         (0.080)         (0.088)         (0.082)         (0.091)           arents' Highest Level of Education         -0.004         0.064***         -0.004         0.065***         -0.004         0.066***           (0.003]         (0.004]         (0.003373)         (0.004)         (0.003373)         (0.004)         (0.00345)         0.0018383*           (0.00357)         (0.00486)         (0.000514         0.020295***         0.0000845         0.0018383*           (0.00357)         (0.00486)         (0.000373)         (0.004934)         (0.0003410)         (0.0003410) </td <td>French outside Québec</td> <td>0.003</td> <td>0.023</td> <td>0.001</td> <td>0.026</td> <td></td> <td></td> <td>0.002</td> <td>0.033</td>	French outside Québec	0.003	0.023	0.001	0.026			0.002	0.033
[0.043]       [0.055]       [0.043]       [0.055]       [0.045]       [0.061]         amily Structure (Two Parents)       [0.025]       -0.037       0.031       -0.045       0.038       -0.021         Mother Only       [0.024]       [0.028]       [0.029]       [0.029]       [0.026]       [0.031]         Father Only       0.093*       -0.102*       0.099*       -0.109*       0.084       -0.133*         [0.052]       [0.057]       [0.057]       [0.057]       [0.056]       [0.069]       0.053       -0.095         other       0.030       -0.060       0.038       -0.069       0.053       -0.095       [0.091]         arents' Highest Level of Education       -0.004       0.064***       -0.004       0.065***       -0.004       0.066***         [0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]         amily Income       0.0000448       0.0020179***       0.0000514       0.0020295***       0.0000845       0.0018383*         migrant Status (Not an Immigrant)       -       -       -       -       0.0055       -       0.020295***       0.0000845       0.200***         First Generation       -0.078** </td <td></td> <td>[0.034]</td> <td>[0.035]</td> <td>[0.034]</td> <td>[0.036]</td> <td></td> <td></td> <td>[0.035]</td> <td>[0.036]</td>		[0.034]	[0.035]	[0.034]	[0.036]			[0.035]	[0.036]
amily Structure (Two Parents)         Mother Only         0.025         -0.037         0.031         -0.045         0.038         -0.021         [0.026]         [0.031]           Father Only         0.093*         -0.102*         0.099*         -0.109*         0.084         -0.133**           Father Only         0.093*         -0.102*         0.099*         -0.109*         0.084         -0.133**           Other         0.030         -0.060         0.038         -0.069         0.053         -0.095           Other         0.030         -0.060         0.038         -0.069         0.053         -0.095           ID.079J         ID.087J         ID.080J         ID.088J         ID.088J         ID.082J         ID.091J           arents' Highest Level of Education         -0.004         0.064***         -0.004         0.065***         -0.004         0.066***           ID.0003J         [0.003]         [0.003]         [0.003]         [0.003]         ID.0043I         ID.0003410         ID.0003410         ID.0003410         ID.000544           amily Income         0.0020179***         0.0000514         0.0020295***         0.00003451         ID.00351         ID.00351         ID.00351         ID.0005044           Innigrant Stat	English in Québec	0.012	0.060	0.013	0.057			0.021	0.059
Mother Only         0.025         -0.037         0.031         -0.045         0.038         -0.021           Father Only         0.093*         -0.102*         0.099*         -0.109*         0.084         -0.133**           Gotter Only         0.052         [0.057]         [0.057]         [0.057]         [0.054]         [0.033]         -0.095           other         0.030         -0.004         0.065***         -0.069         0.053         -0.095           other         0.0031         [0.004]         [0.003]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.003]         [0.003410]         [0.003410]         [0.000514]         [0.002025***         [0.0003410]         [0.000544]           amily Income         0.0000448         0.0020179***         0.0000514         0.002025***         0.0000845         0.0018383*           intrigrant Status (Not an Immigrant)         Trist Generation         -0.078**         0.186***         -0.095***         0.200***           isecond Generation         -0.0478*         0.186***         -0.045**         0.1045**         -0.045**         0.045**         0.045**         0		[0.043]	[0.055]	[0.043]	[0.055]			[0.045]	[0.061]
Image: Second Generation         0.0024]         [0.024]         [0.024]         [0.029]         [0.026]         [0.031]           Father Only         0.093*         -0.102*         0.099*         -0.109*         0.084         -0.133**           [0.052]         [0.057]         [0.052]         [0.057]         [0.057]         [0.057]         [0.051]           other         0.030         -0.060         0.038         -0.069         0.033         -0.095           [0.079]         [0.087]         [0.080]         [0.088]         [0.082]         [0.091]           arents' Highest Level of Education         -0.004         0.064***         -0.004         0.065***         -0.004         0.066***           [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]           amily Income         0.0000448         0.0020179***         0.0000514         0.0020295***         0.0000845         0.0018383*           Imigrant Status (Not an Immigrant)         First Generation         -0.078**         0.186***         -0.078**         0.186***         -0.095***         0.200***           Second Generation         -0.047**         0.138*         -0.045*         0.129***         -0.046*	amily Structure (Two Parents)								
Father Only         0.093*         -0.102*         0.099*         -0.109*         0.084         -0.133**           Other         0.052]         [0.057]         [0.052]         [0.057]         [0.053]         -0.060         0.038         -0.069         0.053         -0.095           other         0.079]         [0.087]         [0.080]         [0.088]         [0.082]         [0.091]           arents' Highest Level of Education         -0.004         0.064***         -0.004         0.065***         -0.004         0.066***           [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]           amily Income         0.0000448         0.0020179***         0.0000514         0.0020295***         0.0000845         0.0018383*           [0.0003357]         [0.0004880]         [0.0003373]         [0.0004934]         [0.0003410]         [0.000544           nmigrant Status (Not an Immigrant)         First Generation         -0.078**         0.186***         -0.078**         0.186***         -0.095***         0.200***           Second Generation         -0.047**         0.1335         [0.038]         [0.032]         [0.026]         [0.022]         [0.022]         0.026         0.026 <td>Mother Only</td> <td>0.025</td> <td>-0.037</td> <td>0.031</td> <td>-0.045</td> <td></td> <td></td> <td>0.038</td> <td>-0.021</td>	Mother Only	0.025	-0.037	0.031	-0.045			0.038	-0.021
Father Only         0.093*         -0.102*         0.099*         -0.109*         0.084         -0.133**           Other         0.052]         [0.057]         [0.052]         [0.057]         [0.053]         -0.060         0.038         -0.069         0.053         -0.095           other         0.079]         [0.087]         [0.080]         [0.088]         [0.082]         [0.091]           arents' Highest Level of Education         -0.004         0.064***         -0.004         0.065***         -0.004         0.066***           [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]           amily Income         0.0000448         0.0020179***         0.0000514         0.0020295***         0.0000845         0.0018383*           [0.0003357]         [0.0004880]         [0.0003373]         [0.0004934]         [0.0003410]         [0.000544           nmigrant Status (Not an Immigrant)         First Generation         -0.078**         0.186***         -0.078**         0.186***         -0.095***         0.200***           Second Generation         -0.047**         0.1335         [0.038]         [0.032]         [0.026]         [0.022]         [0.022]         0.026         0.026 <td></td> <td></td> <td></td> <td></td> <td>[0.029]</td> <td></td> <td></td> <td>[0.026]</td> <td></td>					[0.029]			[0.026]	
Other         [0.052]         [0.057]         [0.052]         [0.057]         [0.057]         [0.057]         [0.057]         [0.057]         [0.069]         [0.060]         [0.053]         -0.095         [0.069]         [0.082]         [0.091]         [	Father Only								
Other         0.030         -0.060         0.038         -0.069         0.053         -0.095           ionormal	T dation of high								
[0.079]       [0.087]       [0.080]       [0.088]       [0.082]       [0.091]         arents' Highest Level of Education       -0.004       0.064***       -0.004       0.065***       -0.004       0.066***         [0.003]       [0.004]       [0.003]       [0.004]       [0.004]       [0.004]       [0.003]       [0.004]         amily Income       0.0000448       0.0020179***       0.0000514       0.0020295***       0.0000845       0.0018383*         inmigrant Status (Not an Immigrant)       [0.00357]       [0.0004880]       [0.00357]       [0.004934]       [0.035]       [0.035]       [0.035]       [0.035]       [0.035]       [0.037]         second Generation       -0.047**       0.136***       -0.045**       0.0261**       -0.045**       0.0049**         [0.022]       [0.025]       [0.022]       [0.026]       [0.023]       [0.026]       [0.023]       [0.026]         unknown/Don't Know       0.052       -0.056       0.050       -0.053       0.054       -0.037	Other								
arents' Highest Level of Education       -0.004       0.064***       -0.004       0.065***       -0.004       0.066***         [0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]         amily Income       0.0000448       0.0020179***       0.0000514       0.0020295***       0.0000845       0.0018383*         amily Income       0.0000448       0.0020179***       0.0000514       0.0020295***       0.0000845       0.0018383*         Imigrant Status (Not an Immigrant)       First Generation       -0.078**       0.186***       -0.095***       0.200***         Second Generation       -0.047**       0.136***       -0.045**       0.0221       [0.035]       [0.037]         Second Generation       -0.0425       [0.022]       [0.022]       [0.022]       [0.023]       [0.026]         Unknown/Don't Know       0.052       -0.056       0.050       -0.053       0.054       -0.037	Other								
[0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]         amily Income       0.0000448       0.0020179***       0.0000514       0.0020295***       0.0000845       0.0018383*         amily Income       0.0000448       0.0020179***       0.0000514       0.0020295***       0.0000845       0.0018383*         nmigrant Status (Not an Immigrant)       [0.0003377]       [0.0004934]       [0.0003410]       [0.0005044         First Generation       -0.078**       0.186***       -0.078**       0.186***       -0.095***       0.200***         Second Generation       -0.047**       0.130***       -0.045**       0.129***       -0.046**       0.125***         [0.022]       [0.025]       [0.022]       [0.026]       [0.023]       [0.026]         Unknown/Don't Know       0.052       -0.056       0.050       -0.053       0.054       -0.037		[0.079]	[0.067]	[0.060]	[0.066]			[0.062]	[0.091]
[0.003] [0.004] [0.003] [0.004] [0.003] [0.004] [0.003] [0.004] [0.003] [0.004] amily Income 0.0000448 0.0020179*** 0.0000514 0.0020295*** 0.0000845 0.0018383* [0.0003357] [0.0004880] [0.0003373] [0.0004934] [0.0003410] [0.0005044 nmigrant Status (Not an Immigrant) First Generation -0.078** 0.186*** -0.078** 0.186*** -0.095*** 0.200*** [0.035] [0.038] [0.035] [0.038] [0.035] [0.038] Second Generation -0.047** 0.130*** -0.045** 0.129*** -0.046** 0.129*** [0.022] [0.025] [0.022] [0.026] [0.026] [0.026] Unknown/Don't Know 0.052 -0.056 0.050 -0.053 0.054 -0.037	arents' Highest Level of Education	-0 004	0.064***	-0 004	0.065***			-0 004	0.066***
[0.0003357]         [0.0004880]         [0.0003373]         [0.0004934]         [0.0003410]         [0.0005044]           mmigrant Status (Not an Immigrant)         First Generation         -0.078**         0.186***         -0.095***         0.200***           First Generation         -0.078**         0.186***         -0.095***         0.200***           Second Generation         -0.047**         0.130***         -0.045**         0.129***           [0.022]         [0.025]         [0.022]         [0.026]         [0.023]         [0.026]           Unknown/Don't Know         0.052         -0.056         0.050         -0.053         0.054         -0.037	arents highest Level of Education								
[0.0003357]         [0.0004880]         [0.0003373]         [0.0004934]         [0.0003410]         [0.0005044]           mmigrant Status (Not an Immigrant)         First Generation         -0.078**         0.186***         -0.095***         0.200***           First Generation         -0.078**         0.186***         -0.095***         0.200***           Second Generation         -0.047**         0.130***         -0.045**         0.129***           [0.022]         [0.025]         [0.022]         [0.026]         [0.023]         [0.026]           Unknown/Don't Know         0.052         -0.056         0.050         -0.053         0.054         -0.037		[]		[]	[····]			[]	[]
Immigrant Status (Not an Immigrant)         -0.078**         0.186***         -0.078**         0.186***         -0.095***         0.200***           First Generation         -0.035]         [0.038]         [0.035]         [0.035]         [0.037]           Second Generation         -0.047**         0.130***         -0.045**         0.129***         -0.046**         0.125***           [0.022]         [0.025]         [0.022]         [0.026]         [0.023]         [0.026]           Unknown/Don't Know         0.052         -0.056         0.050         -0.053         0.054         -0.037	amily Income	0.0000448	0.0020179***	0.0000514	0.0020295***			0.0000845	0.0018383**
First Generation         -0.078**         0.186***         -0.078**         0.186***         -0.095***         0.200***           [0.035]         [0.038]         [0.035]         [0.038]         [0.037]         [0.037]           Second Generation         -0.047**         0.130***         -0.045**         0.129***         -0.046**         -0.026]           Unknown/Don't Know         0.052         -0.056         0.050         -0.053         0.054         -0.037		[0.0003357]	[0.0004880]	[0.0003373]	[0.0004934]			[0.0003410]	[0.0005044]
First Generation         -0.078**         0.186***         -0.078**         0.186***         -0.095***         0.200***           [0.035]         [0.038]         [0.035]         [0.038]         [0.037]         [0.037]           Second Generation         -0.047**         0.130***         -0.045**         0.129***         -0.046**         -0.026]           Unknown/Don't Know         0.052         -0.056         0.050         -0.053         0.054         -0.037	nmigrant Status (Not an Immigrant)								
[0.035]         [0.038]         [0.035]         [0.038]         [0.037]           Second Generation         -0.047**         0.130***         -0.045**         0.129***         -0.046**         0.125***           [0.022]         [0.025]         [0.022]         [0.026]         [0.023]         [0.026]           Unknown/Don't Know         0.052         -0.056         0.050         -0.053         0.054         -0.037		-0.078**	0.186***	-0.078**	0.186***			-0.095***	0.200***
Second Generation         -0.047**         0.130***         -0.045**         0.129***         -0.046**         0.125***           [0.022]         [0.025]         [0.022]         [0.026]         [0.023]         [0.026]           Unknown/Don't Know         0.052         -0.056         0.050         -0.053         0.054         -0.037									
[0.022]         [0.025]         [0.022]         [0.026]         [0.023]         [0.026]           Unknown/Don't Know         0.052         -0.056         0.050         -0.053         0.054         -0.037	Second Generation								
Unknown/Don't Know 0.052 -0.056 0.050 -0.053 0.054 -0.037	South Schelaton								
	University (Denit Know								
[0.001] [0.000] [0.000] [0.002] [0.070]									
		[0.001]	[0.000]	[0.001]	[0.000]			[0.062]	[0.070]

## Table 5a: FAMEDSUP Index Components (PISA), Females

	Basic	Model	In	dex	Separately		Jointly	
	College	University	College	University	College	University	College	University
amily Educational Support			0.013 [0.009]	-0.021** [0.009]				
low often does work with you on you	r schoolwork? (Neve	r)	[]	[]				
Your Mother								
A few times a year					-0.010	-0.004	-0.028	-0.015
					[0.021]	[0.022]	[0.023]	[0.025]
Once a month					0.015	-0.005	0.000	-0.031
					[0.022]	[0.023]	[0.026]	[0.028]
Several times a month					0.014	-0.015	-0.016	-0.036
					[0.022]	[0.023]	[0.027]	[0.030]
Several times a week					0.002	-0.120***	-0.039	-0.147***
					[0.029]	[0.029]	[0.033]	[0.035]
Your Father								
A few times a year					0.033*	0.019	0.034	0.036
					[0.020]	[0.022]	[0.022]	[0.025]
Once a month					0.024	0.027	0.011	0.055**
					[0.022]	[0.023]	[0.025]	[0.028]
Several times a month					0.045*	0.014	0.040	0.055*
					[0.023]	[0.025]	[0.028]	[0.032]
Several times a week					0.046	-0.061*	0.049	0.034
					[0.035]	[0.035]	[0.040]	[0.045]
Your Brothers and Sisters								
A few times a year					-0.002	-0.008	0.004	-0.011
					[0.019]	[0.021]	[0.020]	[0.021]
Once a month					0.016	0.003	0.015	-0.002
					[0.023]	[0.024]	[0.023]	[0.025]
Several times a month					0.048**	-0.032	0.049**	-0.031
					[0.024]	[0.025]	[0.025]	[0.026]
Several times a week					0.018	-0.059	0.015	-0.032
					[0.035]	[0.038]	[0.036]	[0.040]
observations	8,	518	8.	.466			8.	239

### Table 5a: FAMEDSUP Index Components (PISA), Females, continued

	Basic Model		In	dex	Sepa	arately	Jointly	
	College	University	College	University	College	University	College	University
HS Location - Urban (Rural)	-0.023	0.078***	-0.024	0.080***			-0.027	0.078***
	[0.017]	[0.016]	[0.017]	[0.017]			[0.017]	[0.017]
IS Province (Ontario)								
Newfoundland and Labrador	-0.087***	0.118***	-0.083***	0.115***			-0.082***	0.111***
	[0.028]	[0.029]	[0.028]	[0.029]			[0.028]	[0.030]
Prince Edward Island	-0.189***	0.216***	-0.185***	0.214***			-0.179***	0.213***
	[0.025]	[0.028]	[0.025]	[0.028]			[0.026]	[0.028]
Nova Scotia	-0.155***	0.162***	-0.157***	0.161***			-0.160***	0.167***
	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
New Brunswick	-0.169***	0.145***	-0.164***	0.142***			-0.161***	0.147***
	[0.023]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Québec	0.020	-0.077***	0.021	-0.076***			0.027	-0.079***
	[0.025]	[0.020]	[0.026]	[0.020]			[0.026]	[0.021]
Manitoba	-0.216***	0.112***	-0.213***	0.108***			-0.209***	0.103***
	[0.022]	[0.027]	[0.022]	[0.027]			[0.023]	[0.027]
Saskatchewan	-0.190***	0.108***	-0.192***	0.111***			-0.185***	0.106***
Cabilatorio Hall	[0.022]	[0.025]	[0.022]	[0.025]			[0.022]	[0.025]
Alberta	-0.119***	0.003	-0.116***	0.005			-0.113***	0.004
Riberta	[0.023]	[0.022]	[0.023]	[0.022]			[0.023]	[0.023]
Device Onternation	-0.106***	0.019	-0.104***	0.020			-0.098***	0.023
British Columbia	[0.024]	[0.024]	[0.024]	[0.024]			[0.025]	[0.022]
S Language	0.042	0.005	0.040	0.014			0.042	0.012
French outside Québec	0.043		0.040	0.014			0.043	0.013
	[0.034]	[0.035]	[0.034]	[0.035]			[0.035]	[0.036]
English in Québec	0.047	0.041	0.050	0.038			0.058	0.034
	[0.037]	[0.041]	[0.037]	[0.042]			[0.038]	[0.043]
mily Structure (Two Parents)								
Mother Only	-0.018	-0.047*	-0.013	-0.051**			-0.013	-0.036
	[0.024]	[0.026]	[0.025]	[0.026]			[0.026]	[0.027]
Father Only	0.030	-0.090**	0.029	-0.092**			0.021	-0.073
	[0.051]	[0.045]	[0.052]	[0.046]			[0.051]	[0.048]
Other	0.011	0.000	-0.001	0.022			0.021	0.008
	[0.085]	[0.100]	[0.084]	[0.103]			[0.088]	[0.105]
arents' Highest Level of Education	-0.008**	0.064***	-0.008**	0.064***			-0.010***	0.064***
	[0.003]	[0.004]	[0.004]	[0.004]			[0.004]	[0.004]
	0 0000 400	0.0000744**	0 0000054	0.0000540***				0 0000507***
amily Income	-0.0000482 [0.0002192]	0.0006744*** [0.0002434]		0.0006510*** [0.0002419]			-0.0000099 [0.0002211]	
minnent Status (blat as Imminnet)								
migrant Status (Not an Immigrant)	0.012	0 406***	0.012	0 105***			0.004	0 400***
First Generation	0.013	0.126***	0.012	0.125***			0.004	0.123***
	[0.034]	[0.038]	[0.035]	[0.038]			[0.035]	[0.038]
Second Generation	-0.010	0.120***	-0.008	0.121***			-0.004	0.117***
	[0.021]	[0.023]	[0.022]	[0.023]			[0.022]	[0.022]
Unknown/Don't Know	-0.059	-0.025	-0.046	-0.038			-0.054	-0.034
	[0.054]	[0.062]	[0.055]	[0.062]			[0.055]	[0.065]
								cont

## Table 5b: FAMEDSUP Index Components (PISA), Males

	Basic	Model	In	Index		Separately		Jointly	
	College	University	College	University	College	University	College	University	
amily Educational Support			0.015* [0.008]	-0.020** [0.008]					
low often does work with you on you	ur schoolwork? (Neve	r)	[]	[]					
Your Mother									
A few times a year					0.004	0.067***	-0.001	0.041*	
					[0.020]	[0.020]	[0.024]	[0.025]	
Once a month					-0.002	0.020	-0.013	0.005	
					[0.021]	[0.021]	[0.025]	[0.025]	
Several times a month					0.037*	-0.029	0.003	-0.043	
					[0.022]	[0.021]	[0.028]	[0.027]	
Several times a week					0.014	-0.104***	0.001	-0.117***	
					[0.028]	[0.025]	[0.036]	[0.030]	
Your Father									
A few times a year					0.005	0.062***	0.004	0.043*	
					[0.019]	[0.019]	[0.023]	[0.024]	
Once a month					-0.003	0.009	0.000	0.019	
					[0.021]	[0.020]	[0.025]	[0.025]	
Several times a month					0.073***	-0.032	0.055*	0.012	
					[0.024]	[0.021]	[0.030]	[0.028]	
Several times a week					-0.001	-0.052*	-0.011	0.051	
					[0.031]	[0.031]	[0.040]	[0.044]	
Your Brothers and Sisters									
A few times a year					0.029	0.005	0.026	-0.001	
					[0.020]	[0.020]	[0.020]	[0.020]	
Once a month					0.029	0.002	0.025	0.009	
					[0.024]	[0.024]	[0.024]	[0.025]	
Several times a month					0.070**	-0.014	0.061**	0.001	
					[0.027]	[0.027]	[0.028]	[0.028]	
Several times a week					0.026	-0.090**	0.019	-0.052	
					[0.041]	[0.041]	[0.042]	[0.044]	
bservations	8,120 8,011			.011			7.	827	

### Table 5b: FAMEDSUP Index Components (PISA), Males, continued

	Basic Model		In	dex	Separately		Jointly	
	College	University	College	University	College	University	College	University
HS Location - Urban (Rural)	-0.047***	0.053***	-0.044***	0.043**			-0.040**	0.030
	[0.017]	[0.018]	[0.017]	[0.018]			[0.017]	[0.019]
IS Province (Ontario)								
Newfoundland and Labrador	-0.140***	0.142***	-0.141***	0.155***			-0.158***	0.181***
	[0.026]	[0.029]	[0.027]	[0.029]			[0.026]	[0.029]
Prince Edward Island	-0.183***	0.191***	-0.188***	0.201***			-0.194***	0.221***
	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Nova Scotia	-0.184***	0.187***	-0.188***	0.199***			-0.193***	0.209***
	[0.023]	[0.025]	[0.023]	[0.025]			[0.023]	[0.025]
New Brunswick	-0.168***	0.151***	-0.172***	0.161***			-0.179***	0.179***
	[0.024]	[0.026]	[0.024]	[0.026]			[0.023]	[0.026]
Québec	0.012	-0.056**	0.005	-0.037			0.004	-0.034
	[0.024]	[0.027]	[0.024]	[0.027]			[0.025]	[0.029]
Manitoba	-0.161***	0.090***	-0.163***	0.096***			-0.163***	0.100***
Wantoba	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.027]
Queleste bernen	-0.141***	0.077***	-0.138***	0.072***			-0.134***	0.079***
Saskatchewan								
	[0.024]	[0.027]	[0.025]	[0.027]			[0.025]	[0.028]
Alberta	-0.073***	-0.049*	-0.070***	-0.061**			-0.060**	-0.075***
	[0.025]	[0.026]	[0.025]	[0.026]			[0.026]	[0.027]
British Columbia	-0.094***	-0.008	-0.100***	-0.005			-0.085***	-0.038
	[0.024]	[0.026]	[0.025]	[0.026]			[0.025]	[0.027]
S Language								
French outside Québec	0.003	0.023	0.003	0.027			-0.006	0.031
	[0.034]	[0.035]	[0.034]	[0.036]			[0.034]	[0.037]
English in Québec	0.012	0.060	0.016	0.046			0.014	0.054
	[0.043]	[0.055]	[0.043]	[0.055]			[0.043]	[0.058]
amily Structure (Two Parents)								
Mother Only	0.025	-0.037	0.017	-0.015			0.017	-0.019
mother only	[0.024]	[0.028]	[0.024]	[0.028]			[0.025]	[0.029]
Father Only	0.093*	-0.102*	0.087*	-0.081			0.064	-0.054
Fauler Only	[0.052]	[0.057]	[0.051]	[0.058]			[0.047]	[0.054]
-							0.018	
Other	0.030	-0.060	0.025	-0.047				-0.040
	[0.079]	[0.087]	[0.079]	[0.087]			[0.078]	[0.088]
	-0.004	0.064***	-0.004	0.062***			-0.002	0.049***
arents' Highest Level of Education								
	[0.003]	[0.004]	[0.003]	[0.004]			[0.004]	[0.004]
amily Income	0.0000448	0.0020179***	0 0000452	0.0016488***			0.0000226	0.0013625**
anny income	[0.0003357]	[0.0004880]		[0.0005072]			[0.0003368]	[0.0004825]
nmigrant Status (Not an Immigrant)								
	-0.078**	0.186***	-0.080**	0.196***			-0.069*	0.159***
First Generation								
	[0.035]	[0.038]	[0.035]	[0.037]			[0.036]	[0.037]
Second Generation	-0.047**	0.130***	-0.042*	0.122***			-0.042*	0.110***
	[0.022]	[0.025]	[0.023]	[0.026]			[0.023]	[0.026]
Unknown/Don't Know	0.052	-0.056	0.057	-0.057			0.050	-0.048
	[0.061]	[0.066]	[0.062]	[0.067]			[0.061]	[0.067]
								cont
								CODT

## Table 6a: WEALTH Index Components (PISA), Females

	Basic	Model	In	dex	Sepa	rately	Jointly	
	College	University	College	University	College	University	College	University
amily Wealth			0.001 [0.011]	0.060*** [0.012]				
o you have the following at home?								
Dishwasher					-0.040**	0.088***	-0.034*	0.052**
					[0.018]	[0.019]	[0.019]	[0.020]
Your Own Room					-0.036	0.051	-0.026	0.032
					[0.029]	[0.033]	[0.029]	[0.033]
Educational Software					-0.012	0.090***	0.006	-0.010
					[0.018]	[0.021]	[0.023]	[0.025]
A Link to the Internet					-0.039**	0.125***	-0.037*	0.085***
ow many of the following do you have at home?					[0.017]	[0.019]	[0.019]	[0.022]
Cell Phones (One)								
None					-0.022	0.025	-0.026	0.046**
					[0.017]	[0.019]	[0.018]	[0.019]
Тwo					-0.011	0.004	-0.002	-0.008
					[0.021]	[0.022]	[0.021]	[0.023]
Three or More					-0.006	-0.024	-0.004	-0.027
					[0.032]	[0.036]	[0.033]	[0.036]
Televisions (One)					0.400	0.400	0.404	0.047**
None					0.109	-0.160	0.161	-0.217**
<b>-</b>					[0.121] 0.033	[0.105] -0.036	[0.135] 0.049*	[0.104] -0.070**
Тwo					[0.027]	[0.028]	[0.049	[0.028]
Three or More					0.053**	-0.071***	0.077***	-0.121***
					[0.026]	[0.028]	[0.026]	[0.028]
					[0.0-0]	[0.0-0]	[0.0-0]	[0.0=0]
Computers (One)								
None					0.021	-0.164***	0.009	-0.117***
					[0.024]	[0.026]	[0.030]	[0.033]
Тwo					-0.034*	0.039*	-0.024	0.024
					[0.019]	[0.021]	[0.019]	[0.021]
Three or More					-0.037	0.084**	-0.027	0.069*
					[0.034]	[0.037]	[0.034]	[0.037]
Cars (One)								
None					-0.038	-0.037	-0.048	0.001
					[0.053]	[0.063]	[0.052]	[0.061]
Тwo					-0.007	0.017	-0.006	0.004
					[0.019]	[0.021]	[0.020]	[0.021]
Three or More					-0.005	-0.017	-0.005	-0.029
					[0.023]	[0.025]	[0.024]	[0.025]
Patherene (Our)								
Bathrooms (One)					-0.139*	0.118	-0.121	0.087
None					-0.139 [0.082]	[0.095]	-0.121	[0.097]
Тwo					-0.031	0.086***	-0.026	0.061***
110					[0.019]	[0.020]	[0.020]	[0.021]
Three or More					-0.061***	0.171***	-0.050**	0.142***
					[0.023]	[0.025]	[0.024]	[0.027]
Observations	8.	518	8	369			8.	170

### Table 6a: WEALTH Index Components (PISA), Females, continued

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

His Location - Urban (Rural)         -0.023         0.078***         -0.021         0.073***           His Location - Urban (Rural)         -0.027         0.017         0.008***         0.029         10.029 <th></th> <th colspan="2">Basic Model</th> <th>In</th> <th>dex</th> <th colspan="2">Separately</th> <th colspan="2">Jointly</th>		Basic Model		In	dex	Separately		Jointly	
ID         ID <thid< th="">         ID         ID         ID<!--</th--><th></th><th>College</th><th>University</th><th>College</th><th>University</th><th>College</th><th>University</th><th>College</th><th>University</th></thid<>		College	University	College	University	College	University	College	University
ID         ID <thid< th="">         ID         ID         ID<!--</td--><td>HS Location - Urban (Rural)</td><td>-0.023</td><td>0.078***</td><td>-0.021</td><td>0.073***</td><td></td><td></td><td>-0.017</td><td>0.046***</td></thid<>	HS Location - Urban (Rural)	-0.023	0.078***	-0.021	0.073***			-0.017	0.046***
between         0.087***         0.118***         -0.027***         0.125***         -0.089***         0.125***           Price Edward Mand         -0.189***         0.216***         -0.186***         0.226***         -0.182***         0.022***         0.022***         0.022***         0.022***         0.022***         0.022***         0.022***         0.022***         0.022***         0.022***         0.022***         0.022**         0.022***         0.022***         0.022***         0.022***         0.022***         0.022***         0.022**         0.022**         0.022***         0.022**         0.022**         0.022**         0.022**         0.022**         0.022**         0.027***         0.027***         0.027***         0.027***         0.027***         0.027***         0.027***         0.027***         0.027***         0.027****         0.023****         0.023****         0.023****         0.023****         0.023****         0.023****         0.023****         0.023****         0.023****         0.023****         0.023****         0.023****         0.023****         0.023*****         0.023******         0.023***********************************									[0.017]
[0.229]         [0.029]         [0.029]         [0.029]         [0.029]         [0.029]         [0.028] <t< td=""><td>IS Province (Ontario)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	IS Province (Ontario)								
Prince Educate Maturel         -0.189 <sup>+++</sup> -0.189 <sup>+++</sup> -0.228 <sup>++</sup> -0.182 <sup>+++</sup> -0.162 <sup>+++</sup> -0.163 <sup>+++</sup> -0.123 <sup>+++</sup> -0.223 <sup>++</sup> 0.0.1         -0.223 <sup>++</sup> 0.0.1         -0.223 <sup>++</sup> 0.0.1         -0.125 <sup>+++</sup> 0.0.11         0.0.11	Newfoundland and Labrador	-0.087***	0.118***	-0.077***	0.125***			-0.086***	0.142***
10.025]         [0.028]         [0.028]         [0.028]         [0.028]         [0.028]           New Social         -0.155 <sup>+++</sup> 0.155 <sup>+++</sup> 0.155 <sup>+++</sup> 0.155 <sup>+++</sup> 0.155 <sup>+++</sup> New Brunswick         -0.166 <sup>+++</sup> 0.025         [0.028]         [0.028]         0.026           New Brunswick         -0.166 <sup>+++</sup> 0.027         0.026 <sup>+++</sup> -0.168 <sup>++++</sup> -0.168 <sup>++++++++++++++++++++++++++++++++++++</sup>		[0.028]	[0.029]	[0.029]	[0.030]			[0.029]	[0.031]
Nove Sectal         -0.155 <sup>+++</sup> 0.163 <sup>+++</sup> 0.161 <sup>++++</sup> 0.161 <sup>+++</sup> 0.161 <sup>+++</sup> 0.161 <sup>++++</sup> 0.161 <sup>+++++</sup> 0.161 <sup>++++</sup> 0.161 <sup>++++</sup> 0.161 <sup>++++</sup> 0.161 <sup>+++++</sup> 0.161 <sup>+++++++++++++++++++++++++++++++++++</sup>	Prince Edward Island	-0.189***	0.216***	-0.186***	0.226***			-0.192***	0.246***
		[0.025]	[0.028]	[0.026]	[0.028]			[0.026]	[0.028]
New Brunsweck         -0.169***         0.145***         0.0147***         0.0147***           0.0231         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]         0.027         -0.069***         0.034         -0.0           Matebos         -0.216***         0.117***         -0.223***         0.11         -0.022***         0.023         [0.022]         [0.022]         [0.023]         [0.027]         (0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.024]         [0.025]         [0.023]         [0.024]         [0.024]         [0.025]         [0.023]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.025]         [0.024]         [0.024]         [0.024]         [0.024]         [0.026]         [0.024]         [0.026]         [0.024]         [0.026]         [0.024]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [	Nova Scotia	-0.155***	0.162***	-0.153***	0.169***			-0.161***	0.189***
[0.023]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]         [0.023]         [0.024]         [0.023]         [0.024]         [0.024]         [0.023]         [0.024]         [0.023]         [0.024] <t< td=""><td></td><td>[0.024]</td><td>[0.026]</td><td>[0.025]</td><td>[0.026]</td><td></td><td></td><td>[0.025]</td><td>[0.027]</td></t<>		[0.024]	[0.026]	[0.025]	[0.026]			[0.025]	[0.027]
Coubbe         0.020         0.077***         0.027         -0.069***         0.034         -0.038         -0.0           Manitoba         -0.216***         0.112***         -0.213***         0.117***         -0.223***         0.1           Saskatchewan         -0.16***         0.112***         -0.133***         0.017***         -0.223***         0.1           Saskatchewan         -0.16***         -0.193***         0.017***         -0.125***         0.001         -0.125***         0.001         -0.125***         0.01         -0.125***         0.01         -0.125***         0.01         -0.125***         0.01         -0.125***         0.01         -0.125***         0.01         -0.125***         0.01         -0.125***         0.01         -0.125***         0.01         -0.115***         0.014         0.024         [0.024]         [0.025]         [0.023]         [0.024]         [0.024]         [0.025]         [0.024]         [0.025]         [0.025]         [0.025]         [0.023]         [0.024]         [0.025]         [0.024]         [0.025]         [0.024]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.026]         [0.026]	New Brunswick	-0.169***	0.145***	-0.161***	0.147***			-0.160***	0.165***
Quebace         0.020         -0.077***         0.027         -0.069***         0.034         -0.038         -0.0           Maintaba         -0.216***         0.112***         -0.213***         0.117***         -0.223***         0.1           Saskatchewan         -0.190***         0.108**         -0.193***         0.117***         -0.223***         0.1           Abera         -0.190***         0.108***         -0.193***         0.107***         -0.199***         0.1           Abera         -0.190***         0.108***         -0.193***         0.001         -0.125***         0.001           Britis Columbia         -0.106***         0.018         -0.115***         0.018         -0.115***         0.023         [0.022]         [0.024]         [0.025]         [0.026]         [0.025]         [0.026] <td></td> <td>[0.023]</td> <td>[0.026]</td> <td>[0.024]</td> <td>[0.026]</td> <td></td> <td></td> <td>[0.025]</td> <td>[0.027]</td>		[0.023]	[0.026]	[0.024]	[0.026]			[0.025]	[0.027]
IO 025]         IO 026]         IO 026]         IO 026]         IO 027]         IO 023]         IO 024]         IO 023]         IO 024]         IO 023]         IO 024]         IO 023]         IO 024]         IO 025]         IO         IO         IO 024]         IO 026]         IO 026]<	Québec								-0.062***
Munitoba         -0.216***         0.112***         -0.213***         0.117***         -0.222***         0.1023           Saskatchewan         -0.190***         0.0027         [0.022]         [0.022]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.025]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.025]         [0.038]         [0.045]         [0.034]         [0.024]         [0.026]         [0.024]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.038]         [0.034]         [0.026]         [0.038]         [0.034]         [0.026]         [0.036]         [0.044]         [0.036]         [0.046]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]									[0.022]
i0.0221         i0.0271         i0.0273         i0.           Athera         -0.119***         0.003         -0.127***         0.001         -0.125***         i0.           British Columbia         -0.106***         0.019         -0.111***         0.018         -0.115***         i0.           British Columbia         -0.106***         0.019         -0.111***         0.018         -0.115***         i0.           French outside Gubbec         0.043         0.005         0.041         0.009         0.045         0.           French outside Gubbec         0.043         0.005         0.041         0.0381         i0.0341         i0.0361           English in Gubbec         0.047         0.041         0.0421         i0.0391         i0.0391         i0.           Inglish in Gubbec         0.047         -0.013         -0.036         -0.011         -0.016           Inglish in Gubbec         0.047         0.031         0.077         0.0261         i0.           Inglish in Gubbec         0.018         -0	Manitoba								0.134***
Saskatchewan         -0.190***         0.108***         -0.193***         0.107***         -0.199***         0.1           Albern         -0.119***         0.022]         [0.022]         [0.023]         [0.023]         [0.023]           Albern         -0.119***         0.01         -0.125****         0.01         -0.125****         0.01           British Columbia         -0.106***         0.021         [0.023]         [0.024]         [0.024]         [0.024]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.026]         [0.025]         [0.026]         [0.026]         [0.026]         [0.034]         [0.036]         [0.034]         [0.037]         [0.042]         [0.039]         [0.037]         [0.042]         [0.036]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]	Mamoba								[0.027]
ID         ID<	Saskatabowan								0.132***
Abberts         -0.119***         0.003         -0.127***         0.001         -0.125***         0.           ID.023]         [0.022]         [0.023]         [0.023]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.025]         [0.03]         [0.024]         [0.024]         [0.025]         [0.03]         [0.024]         [0.024]         [0.025]         [0.03]         [0.024]         [0.025]         [0.03]         [0.025]         [0.03]         [0.026]         [0.034]         [0.036]         [0.034]         [0.036]         [0.034]         [0.036]         [0.034]         [0.036]         [0.034]         [0.036]         [0.034]         [0.036]         [0.034]         [0.036]         [0.036]         [0.036]         [0.036]         [0.036]         [0.036]         [0.036]         [0.036]         [0.036]         [0.036]         [0.036]         [0.036]         [0.036]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]	Saskalchewan								[0.026]
British Columbia         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.025]         [0.024]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.024]         [0.025]         [0.025]         [0.025]         [0.026]         [0.025]         [0.036]         [0.036]         [0.037]         [0.041]         [0.036]         [0.037]         [0.041]         [0.037]         [0.042]         [0.039]         [0.039]         [0.039]         [0.039]         [0.037]         [0.042]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.042]         [0.026]         [0.026]         [0.042]         [0.026]         [0.026]         [0.043]         [0.026]         [0.042]         [0.026]         [0.026]         [0.026]									
British Columbia         -0,106***         0,019         -0,111***         0,018         -0,115***         0,           S Language         French outside Québec         0,043         0,005         0,041         0,009         0,045         0,           English in Québec         0,047         0,041         0,044         0,038         0,051         0,           English in Québec         0,047         0,041         0,044         0,038         0,051         0,           Imily Structure (Two Parents)         Mether Only         -0,018         -0,047*         -0,013         -0,036         -0,011         -0           Mether Only         0,030         -0,090**         0,031         -0,077         0,026         -0           Oner         0,011         0,0045         10,052         10,048         10,052         10,048           Oner         0,011         0,000         0,043         0,001         0,020         0,000           Imity Income         -0,0008**         0,064***         -0,0008**         0,062****         -0,0008**         0,000           Imity Income         -0,0008**         0,00674***         -0,000190         0,0005882**         -0,0000890         0,000         0,000 <t< td=""><td>Alberta</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.008</td></t<>	Alberta								0.008
[0.024]       [0.024]       [0.024]       [0.024]       [0.024]       [0.025]       [0.025]         Stanguage       [0.034]       [0.035]       [0.036]       [0.036]       [0.034]       [0.036]         English in Québec       0.047       0.041       0.044       0.038       [0.039]       [0.039]       [0.039]         English in Québec       0.047       0.041       [0.044]       0.037       [0.042]       [0.039]       [0.039]       [0.039]       [0.039]       [0.039]       [0.039]       [0.039]       [0.026]									[0.023]
Stanguage         Stanguage <thstanguage< th=""> <thstanguage< th=""> <ths< td=""><td>British Columbia</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.010</td></ths<></thstanguage<></thstanguage<>	British Columbia								0.010
French outside Québec         0.043         0.005         0.041         0.009         0.045         0.           English in Québec         0.041         [0.034]         [0.034]         [0.034]         [0.034]         [0.034]         [0.034]         [0.034]         [0.034]         [0.034]         [0.034]         [0.034]         [0.037]         [0.042]         [0.039]         [0.           Imity Structure (Two Parents)         Mother Only         -0.018         -0.047*         -0.013         -0.036         -0.011         -0           Mother Only         -0.018         -0.047*         -0.013         -0.036         -0.011         -0           Global         [0.026]         [0.025]         [0.026]         [0.026]         [0.052]         [0.046]         [0.052]         [0.046]         [0.052]         [0.046]         [0.052]         [0.046]         [0.052]         [0.046]         [0.052]         [0.046]         [0.052]         [0.041]         [0.004]         [0.041]         [0.004]         [0.041]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.0002]         [0.0002]         [0.0002]         [0.0002]         [0.0002]         [0.0002]         [0		[0.024]	[0.024]	[0.024]	[0.024]			[0.025]	[0.024]
Image: Second Generation         [0.034]         [0.035]         [0.034]         [0.036]         [0.036]         [0.034]         [0.036]           English in Québec         0.047         0.041         0.044         0.038         0.051         0.0           mily Structure (Two Parents)         mother Only         -0.018         -0.047*         -0.013         -0.036         -0.011         -0           Father Only         0.024]         [0.026]         [0.025]         [0.026]         [0.065]         [0.011]         0.000         0.043         [0.048]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]         [0.028]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.028]	S Language								
English in Québec         0.047         0.041         0.044         0.038         0.051         0.           amily Structure (Two Parents)	French outside Québec	0.043	0.005	0.041	0.009			0.045	0.005
[0.037]       [0.041]       [0.037]       [0.042]       [0.039]       [0.         mily Structure (Two Parents)       -0.018       -0.047*       -0.013       -0.036       -0.011       -0         Mother Only       -0.026]       [0.025]       [0.026]       [0.028] <td></td> <td>[0.034]</td> <td>[0.035]</td> <td>[0.034]</td> <td>[0.036]</td> <td></td> <td></td> <td>[0.034]</td> <td>[0.037]</td>		[0.034]	[0.035]	[0.034]	[0.036]			[0.034]	[0.037]
amily Structure (Two Parents)         -0.018         -0.047*         -0.013         -0.036         -0.011         -0           Father Only         [0.024]         [0.026]         [0.025]         [0.026]         [0.020]         [0.026]         [0.020]	English in Québec	0.047	0.041	0.044	0.038			0.051	0.039
Mother Only         -0.018         -0.047*         -0.013         -0.036         -0.011         -0           Father Only         0.030         -0.090**         0.031         -0.077         0.026         -0           Conter         0.011         0.000         0.043         0.0077         0.026         -0           Other         0.011         0.000         0.043         0.001         0.020         0           Inter Only         0.011         0.000         0.043         0.001         0.020         0           Other         0.011         0.000         0.043         0.001         0.020         0           Inter Only         0.0851         [0.100]         [0.093]         [0.102]         [0.089]         [0.           arents' Highest Level of Education         -0.008**         0.064***         -0.008**         0.062***         -0.0008**         0.002           [0.0002192]         [0.0002192]         [0.0004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.000210]         [0.0002192]         [0.0001992]         [0.0002192]         [0.0002192]         [0.0001992]         [0.000210]         [0.0002115]         [0.0014         0.1           First Generati	-	[0.037]	[0.041]	[0.037]	[0.042]			[0.039]	[0.045]
Mother Only         -0.018         -0.047*         -0.013         -0.036         -0.011         -0.0026         -0.011         -0.011         -0.0026         -0.011         -0.011         -0.011         -0.011         -0.011         -0.0026         -0.011         -0.011         -0.011         -0.011         -0.011         -0.0026         -0.011         -0.011         -0.011         -0.011         -0.011         -0.011         -0.011         -0.011         -0.011         -0.022         -0.022         -0.022         -0.002         -0.020         -0.020         -0.020         -0.020         -0.000         -0.001         -0.001         -0.001         -0.011         -0.022         -0.021         -0.021         -0.021         -0.021         -0.021         -0.021         <	amily Structure (Two Parents)								
Father Only         [0.024]         [0.026]         [0.025]         [0.026]         [0.052]         [0.041]         [0.038]         [0.038]         [0.038]         [0.038]         [0.038]         [0.004]         [0.004]         [0.004]         [0.004]         [0.002103]         [0.002415]         [0.0001992]         [0.000           amily Income         -0.0000482         0.0006744***         -0.0001090         0.0005882**         -0.00000890         0.000           amigrant Status (Not an Immigrant)		-0.018	-0.047*	-0.013	-0.036			-0.011	-0.036
Father Only         0.030         -0.090**         0.031         -0.077         0.026         -0           Other         0.011         0.000         0.043         0.001         0.020         0.           other         0.011         0.000         0.043         0.001         0.020         0.           arents' Highest Level of Education         -0.008**         0.064***         -0.008**         0.062***         -0.008**         0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.00190         0.0005882**         -0.0000890         0.000           amily Income         -0.000482         0.0006744***         -0.0001090         0.0005882**         -0.0000890         0.000           inigrant Status (Not an Immigrant)         -         0.000         -         -         -         -         0.000 <td>mound. Only</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>[0.027]</td>	mound. Only								[0.027]
Other         [0.051]         [0.045]         [0.052]         [0.048]         [0.052]         [0.052]         [0.048]           other         0.011         0.000         0.043         0.001         0.020         0.           arents' Highest Level of Education         -0.008**         0.064***         -0.008**         0.062***         -0.008**         0.008**         0.062***           amily Income         -0.0000482         0.0006744***         -0.0001090         0.0005882**         -0.00004890         0.000           mily Income         -0.0000482         0.0006744***         -0.0001090         0.0005882**         -0.00000890         0.000           mily Income         -0.013         0.126***         0.003         0.140***         -0.0001992         [0.001           migrant Status (Not an Immigrant)         First Generation         0.013         0.126***         0.003         0.140***         -0.001         0.0           Second Generation         0.013         0.126***         0.003         [0.035]         [0.035]         [0.035]         [0.022]         [0.022]         [0.001         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.	Eathor Only								-0.069
Other         0.011         0.000         0.043         0.001         0.020         0.           arents' Highest Level of Education         -0.008**         0.064***         -0.008**         0.062***         -0.008**         0.064***         -0.008**         0.062***         -0.008**         0.001         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.002109]         [0.0001090         0.0005882**         -0.0000890         0.000           amily Income         -0.0000482         0.0006744***         -0.0001090         0.0005882**         -0.0000890         0.000           migrant Status (Not an Immigrant)         [0.0002192]         [0.0002434]         [0.0002203]         [0.0002415]         [0.0014]         0.1           First Generation         0.013         0.126***         0.003         0.140***         0.014         0.1           Second Generation         -0.010         0.126***         0.003         0.140***         -0.001         0.0           [0.021]         [0.0223]         [0.022]         [0.023]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]	Fatter Only								[0.049]
[0.085]       [0.100]       [0.093]       [0.102]       [0.089]       [0.         arents' Highest Level of Education       -0.008**       0.064***       -0.008**       0.062***       -0.008**       0.008**       [0.004]	0/1-2								0.025
arents' Highest Level of Education       -0.008**       0.064***       -0.008**       0.062***       -0.008**       0.001         amily Income       -0.0000482       0.0006744***       -0.0001090       0.0005882**       -0.0000890       0.000         amily Income       -0.0000482       0.0006744***       -0.0001090       0.0005882**       -0.0000890       0.000         nmigrant Status (Not an Immigrant)       First Generation       0.013       0.126***       0.003       0.140***       0.014       0.1         Second Generation       -0.010       0.120***       -0.007       0.122***       -0.001       0.001       0.0221       [0.022]	Other								
[0.003]       [0.004]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.00114       [0.00114       [0.0114       [0.0135]       [0.035]       [0.035]       [0.035]       [0.035]       [0.002]       [0.002]       [0.00114       [0.012]       [0.021]       [0.022]       [0.023]       [0.022]       [0.023]       [0.022]       [0.022]       [0.022]       [0.022]       [0.021]       [0.022]       [0.022]       [0.074]       -0         Unknown/Don't Know       -0.059       -0.025       -0.085       -0.022       -0.074       -0<		[0.085]	[0.100]	[0.093]	[0.102]			[0.089]	[0.108]
[0.003]       [0.004]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001992]       [0.001       [0.001]       [0.001]       [0.001]       [0.001]       [0.001]       [0.001]       [0.001]       [0.001]       [0.001]       [0.001]       [0.001]       [0.002]       [0.001]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0.002]       [0		0.000**	0.004***	0.000**	0.000***			0.000**	0.050***
amily Income         -0.0000482         0.0006744***         -0.0001090         0.0005882**         -0.0000890         0.000           mmigrant Status (Not an Immigrant)         [0.0002192]         [0.0002434]         [0.0002203]         [0.0002415]         [0.0001992]         [0.00           First Generation         0.013         0.126***         0.003         0.140***         0.014         0.1           Second Generation         0.010         0.126***         0.007         0.122***         -0.001         0.0021         [0.025]         [0.022]	arents' Highest Level of Education								0.052***
[0.0002192] [0.0002434] [0.0002203] [0.0002415] [0.0001992] [0.00 migrant Status (Not an Immigrant) First Generation 0.013 0.126*** 0.003 0.140*** 0.014 0.1 [0.034] [0.035] [0.035] [0.039] [0.039] [0.035] [0.  Second Generation -0.010 0.120*** -0.007 0.122*** -0.007 0.122*** -0.001 0.021 [0.022] [0.022] [0.023] [0.023] [0.022] [0.023] [0.023] [0.022] [0.023] [0.02		[0.003]	[0.004]	[0.004]	[0.004]			[0.004]	[0.004]
[0.0002192]         [0.0002434]         [0.0002203]         [0.0002415]         [0.0001992]         [0.00           migrant Status (Not an Immigrant)         First Generation         0.013         0.126***         0.003         0.140***         0.014         0.1           First Generation         0.013         0.126***         0.003         0.140***         0.014         0.1           Second Generation         -0.010         0.120***         -0.007         0.122***         -0.001         0.022]         [0.023]         [0.022]         [0.023]         [0.022]         [0.023]         [0.022]         [0.023]         [0.022]         [0.023]         [0.022]         [0.024]         [0.025]         -0.010         -0.010         -0.010         0.021         [0.023]         [0.023]         [0.023]         [0.023]         [0.021]         [0.021]         [0.025]         -0.010		0.0000482	0.0006744***	0.0001000	0.0005002**			0.0000800	0.0004288**
First Generation         0.013         0.126***         0.003         0.140***         0.014         0.1           [0.034]         [0.038]         [0.035]         [0.039]         [0.035]         [0.035]         [0.035]         [0.035]         [0.035]         [0.035]         [0.035]         [0.011         [0.035]         [0.011         [0.022]         [0.022]         [0.023]         [0.022]         [0.023]         [0.022]         [0.023]         [0.022]         [0.023]         [0.024]         [0.023]         [0.022]         [0.023]         [0.024]         [0.024]         [0.024]         [0.024]         [0.025]         [0.02	amily income								[0.0004288
First Generation         0.013         0.126***         0.003         0.140***         0.014         0.1           [0.034]         [0.038]         [0.035]         [0.039]         [0.035]         [0.035]         [0.035]         [0.035]         [0.035]         [0.035]         [0.035]         [0.01         0.0           Second Generation         -0.010         0.122***         -0.007         0.122***         -0.001         0.0           [0.021]         [0.022]         [0.023]         [0.022]         [0.023]         [0.02]         [0.023]         [0.02]         [0.023]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.025]	minnent Status (Mat as Imminne 1)								
[0.034]         [0.038]         [0.035]         [0.039]         [0.035]         [0.           Second Generation         -0.010         0.120***         -0.007         0.122***         -0.001         0.0           [0.021]         [0.023]         [0.022]         [0.023]         [0.023]         [0.023]         [0.023]         [0.021]         [0.021]         [0.025]         -0.005         -0.005         -0.074         -0		0.040	0 400***	0.000	0.1.40***			0.044	0 100***
Second Generation         -0.010         0.120***         -0.007         0.122***         -0.001         0.0           [0.021]         [0.023]         [0.022]         [0.023]         [0.022]         [0.023]         [0.022]         [0.023]         [0.024]         [0.025] <td< td=""><td>First Generation</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.103***</td></td<>	First Generation								0.103***
[0.021] [0.023] [0.022] [0.023] [0.022] [0.023] [0.022] [0.022] [0.023] [0.022] [0.023] [0.022] [0.022] [0.023] [0.022] [0.023] [0.022] [0.023] [0.022] [0.023] [0.022] [0.023									[0.038]
Unknown/Don't Know -0.059 -0.025 -0.085 -0.022 -0.074 -0	Second Generation								0.094***
									[0.023]
[0.054] [0.062] [0.052] [0.063] [0.053] [0.053] [0.053]	Unknown/Don't Know	-0.059	-0.025	-0.085					-0.018
		[0.054]	[0.062]	[0.052]	[0.063]			[0.053]	[0.065]

## Table 6b: WEALTH Index Components (PISA), Males

	Basic Model		Index		Sepa	arately	Jointly	
	College	University	College	University	College	University	College	University
amily Wealth			0.016 [0.010]	0.025** [0.010]				
o you have the following at home?								
Dishwasher					0.019	0.042**	0.017	0.006
					[0.018]	[0.018]	[0.019]	[0.020]
Your Own Room					0.029 [0.027]	0.028 [0.029]	0.023 [0.028]	0.009 [0.030]
Educational Software					0.043**	0.077***	0.047**	0.001
					[0.018]	[0.018]	[0.020]	[0.021]
A Link to the Internet					-0.010	0.123***	-0.036*	0.087***
					[0.017]	[0.017]	[0.021]	[0.020]
low many of the following do you have at home?								
Cell Phones (One)					0.004	0.014	0.000	0.000
None					0.004	0.014	0.008	0.029
Тжо					[0.017] 0.018	[0.017] -0.025	[0.018] 0.011	[0.018] -0.030
Two					[0.020]	[0.020]	[0.020]	[0.020]
Three or More					0.012	-0.061**	0.000	-0.063**
					[0.029]	[0.027]	[0.029]	[0.027]
						[]	[···]	
Televisions (One)								
None					0.192	-0.099	0.128	0.017
					[0.131]	[0.101]	[0.124]	[0.114]
Тwo					-0.007	-0.016	-0.006	-0.024
					[0.030] 0.027	[0.031] -0.064**	[0.031] 0.021	[0.032] -0.076**
Three or More					[0.030]	[0.030]	[0.031]	[0.032]
					[0:000]	[01000]	[0:001]	[0:002]
Computers (One)								
None					-0.026	-0.141***	-0.010	-0.082***
					[0.027]	[0.023]	[0.032]	[0.028]
Тwo					0.016	0.055***	0.010	0.052***
					[0.018]	[0.019]	[0.019]	[0.019]
Three or More					-0.025	0.066**	-0.032	0.071*** [0.027]
					[0.027]	[0.027]	[0.027]	[0.027]
Cars (One)								
None					0.040	-0.176***	0.039	-0.145**
					[0.067]	[0.049]	[0.073]	[0.058]
Two					-0.008	0.010	-0.010	0.005
					[0.020]	[0.021]	[0.020]	[0.022]
Three or More					0.023	-0.079***	0.018	-0.077***
					[0.023]	[0.022]	[0.024]	[0.023]
Bathrooms (One)								
None					0.093	-0.082	0.062	-0.053
					[0.097]	[0.059]	[0.097]	[0.072]
Тwo					-0.005	0.049**	-0.016	0.045**
					[0.019]	[0.019]	[0.020]	[0.019]
Three or More					0.013	0.111***	-0.012	0.114***
					[0.023]	[0.024]	[0.025]	[0.026]

### Table 6b: WEALTH Index Components (PISA), Males, continued

Standard errors in brackets. Ave \*\*\* p<0.01, \*\* p<0.05, \* p<0.1 Average marginal effects shown. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars.

Newfordiand and Labrador         -0.140***         0.130***         0.120***         -0.131***         0.121***         0.0271         [0.030]         [0.0271         [0.030]         [0.0271         [0.030]         [0.0271         [0.030]         [0.0271         [0.030]         [0.0271         [0.030]         [0.0271         [0.030]         [0.0271         [0.030]         [0.0271         [0.030]         [0.0211         [0.0221         [0.023]         [0.0221         [0.023]         [0.0231         [0.0221         [0.023]         [0.0231         [0.023]         [0.0251         [0.0231         [0.0231         [0.0231         [0.0251         [0.0231         [0.0251         [0.0231         [0.0251         [0.0241         [0.0261         [0.0231         [0.0251         [0.0241         [0.0261         [0.0241         [0.0261         [0.0241         [0.0261         [0.0241         [0.0261         [0.0241         [0.0271         [0.0241         [0.0271         [0.0241         [0.0271         [0.0241         [0.0271         [0.0241         [0.0271         [0.0241         [0.0271         [0.0241         [0.0271         [0.0241         [0.0271         [0.0241         [0.0271         [0.0241         [0.0271         [0.0241         [0.0271         [0.0241 <th[0.0271< th="">         [0.0241         [</th[0.0271<>		Basic Model		Inc	dex	Sepa	arately	Jointly	
ID.017         ID.018         ID.017         ID.018         ID.017         ID.018           Province (Ontamio)		College	University	College	University	College	University	College	University
ID.017         ID.018         ID.017         ID.018         ID.017         ID.018           Province (Ontamio)	HS Location - Urban (Rural)	-0.047***	0.053***	-0.046***	0.047***			-0.047***	0.047**
Newformaling and Landor         -0.142***         -0.130***         0.130***         0.021**         0.0237         [0.030]           Prices Edward Island         -0.183***         0.191***         -0.183***         0.191***         -0.183***         0.192***           Nors Scata         -0.187***         0.187***         0.183***         0.183***         0.183***         0.184***         0.183***         0.184***         0.183***         0.184***         0.183***         0.184***         0.183***         0.184***         0.183***         0.184***         0.183***         0.184***         0.183***         0.184***         0.183***         0.184***         0.184***         0.181***         0.161***         0.161***         0.161***         0.161***         0.0241         10.0221         10.021*         10.021									
[0.026]         [0.027]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.030]         [0.026]         <	HS Province (Ontario)								
Priose Service Janad	Newfoundland and Labrador	-0.140***	0.142***	-0.130***	0.120***			-0.131***	0.123***
ID 0.24          ID 0.26          ID 0.27          ID 0.26          ID 0.27          ID 0.26          ID 0.27          ID 0.24          ID 0.27          ID 0.26          ID 0.27          ID 0.26		[0.026]	[0.029]	[0.027]	[0.030]			[0.027]	[0.030]
Noo S Genia         -0.184***         -0.183***         -0.183***         -0.183***         -0.184***         -0.184***         0.184***         0.184***         0.184***         0.182***         0.0231         [0.025]         [0.025]         [0.025]         [0.023]         [0.025]         [0.024]         [0.024]         [0.026]         [0.025]         [0.024]         [0.026]         [0.025]         [0.024]         [0.024]         [0.026]         [0.025]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.027]         I0.024          I0.027          I0.024          I0.025          I0.026          I0.025          I0.026          I0.025          I0.024          I0.025          I0.026          I0.0	Prince Edward Island	-0.183***	0.191***	-0.184***	0.193***			-0.183***	0.192***
[0.023]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.026]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]         [0.026]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         <		[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
New Burnawick         -0.168**         0.152***         -0.169***         0.152***           Guidee         0.012         -0.066         0.023         [0.025]         [0.026]         [0.026]           Guidee         0.012         -0.066***         0.011         -0.056***         [0.027]         [0.024]         [0.027]           Manitoba         -0.161***         0.090***         -0.163***         0.101***         -0.161***         0.010         -0.066**           Statistichewan         -0.161***         0.0224]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]           Statistichewan         -0.141***         0.097***         -0.168***         -0.067***         -0.068***         -0.067***         -0.068***           Inorder         10.0226]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.026]         [0.026]         [0.026]         [0.023]         [0.026]         [0.023]         [0.026]         [0.023]         [0.023]	Nova Scotia	-0.184***	0.187***	-0.183***	0.184***			-0.184***	0.184***
New Burnauck         -0.168***         0.152***         -0.169***         0.152***           Cud24         [0.024]         [0.026]         [0.025]         [0.024]         [0.026]           Cud24         [0.024]         [0.027]         [0.024]         [0.027]         [0.024]         [0.027]           Manitoba         -0.161***         0.099***         -0.163***         0.101***         -0.161***         0.022**           Sadactowan         -0.161***         0.099***         -0.163***         0.101***         -0.161***         0.022**           Sadactowan         -0.161***         0.099***         -0.163***         0.101***         -0.161***         0.022**           Sadactowan         -0.141***         0.077***         -0.168***         -0.026**         -0.026**           Sadactowan         -0.0241         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.023]         [0.026]         [0.023]         [0.023]         [0.026]         [0.033]         [0.033]		[0.023]	[0.025]	[0.023]	[0.025]			[0.023]	[0.025]
0.0241         0.02681         0.0251         0.0264*         0.024         0.0264*           0.0241         0.0267**         0.0241         0.0271         0.0241         0.0271           Manitoba         -0.161***         0.0241         0.0261         0.0241         0.0271           Saskatchewan         -0.141***         0.077***         -0.144***         0.091***         -0.144***         0.091***           10.0241         [0.0261]         (0.027]         (0.0261]         (0.027]         (0.027]           Atterta         -0.073**         -0.049*         -0.072**         -0.068*         -0.067***         -0.069***         -0.069***         -0.069***         -0.069***         -0.069***         -0.069***         -0.069***         -0.069***         -0.069***         -0.069***         -0.069***         -0.061***         -0.061***         -0.061***         -0.061****         -0.061****         -0.061****         -0.061****         -0.061****         -0.061****         -0.061****         -0.061****         -0.061*****         -0.061*****         -0.061******         -0.061******         -0.061***********************************	New Brunswick	-0.168***							
Condec         0.012         -0.066**         0.011         -0.054**         0.010         -0.024         [0.027]           Manitaba         -0.161***         0.090***         -0.163***         0.101***         -0.161***         0.024         [0.024]         [0.024]         [0.024]         [0.024]         [0.027]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.									
10.0241         10.0271         10.0241         10.0271         10.0241         10.0271           Maintoba         -0.161***         0.0300***         -0.163***         0.101***         -0.161***         0.102**           Saskatchewan         -0.141***         0.0271         10.0241         10.0271         10.0241         10.0271           Aberta         -0.073***         -0.042*1         10.0261         10.0261         10.0261         10.0271         10.0261         10.0271           Aberta         -0.073***         -0.049**         -0.005**         -0.065*         10.0261         1	Québec								
Maximoba         -0.161***         0.009***         -0.163***         0.102***         -0.161***         0.102***           Sastachewan         -0.141***         0.0241         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.027]         -0.66**         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.06***         -0.001         -0.025         [0.025]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.024]         [0.026]         [0.026]         [0.024]         [0.026]         [0.024]         [0.026]         [0.024]         [0.026]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]         [0.026]         [0.024]         [0.030]         [0.047] <td< td=""><td>adebec</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	adebec								
I0.0241         [0.024]         [0.024]         [0.027]         -0.144***         0.091***         -0.144***         0.093***           I0.0241         [0.027]         [0.024]         [0.027]         [0.026]         [0.026]         [0.026]           Alberta         -0.013***         -0.049**         -0.058**         -0.067***         -0.069***           British Columbia         -0.0241         [0.026]         [0.026]         [0.026]         [0.026]           Stanguage         -0.044***         -0.008         -0.100***         -0.001         -0.099***         0.001           Stanguage         -0.0241         [0.025]         [0.026]         [0.026]         [0.026]         [0.026]           Stanguage         -0.012         0.002         0.032         0.002         0.032         [0.033]         [0.036]           Finglish in Quebec         0.012         0.060         0.010         0.056         [0.043]         [0.056]           Imily Structure (Two Parents)         -0.027         -0.019         (0.024]         [0.030]         -0.037           Fender Only         0.025         -0.037         0.024         [0.026]         [0.043]         [0.056]         [0.047]         [0.066]           Imily Income <td><b>M</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	<b>M</b>								
Saskachewan         -0.141***         0.097***         -0.144***         0.093***           [0.024]         [0.027]         [0.024]         [0.027]         [0.027]           Alberta         -0.073***         -0.069**         -0.069***         -0.069***           Iberta         -0.073***         -0.025]         [0.025]         [0.026]         [0.026]           British Columbia         -0.094***         -0.008         -0.002         -0.026]         [0.025]         [0.026]           S Language         -         -         -         -         -         0.001         -         0.003         [0.033]         [0.035]         [0.035]         [0.036]         [0.035]         [0.035]         [0.036]         [0.035]         [0.036]	Mantopa								
Io.0241         [0.027]         [0.0241         [0.027]         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.0621         .0.001         .0.0621         .0.001         .0.0621         .0.001         .0.0621         .0.0021         .0.001         .0.0621         .0.0021         .0.0021         .0.0021         .0.0021         .0.0021         .0.0021         .0.0021         .0.0021         .0.0021         .0.0021         .0.001         .0.0021         .0.001         .0.0021         .0.0021         .0.0021         .0.001         .0.0021         .0.001         .0.0021         .0.001         .0.0021         .0.001         .0.0021         .0.001         .0.0021         .0.0021         .0.0021         .0.0021         .0.0021         .0.0021         .0.0021         .0.0023 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Alberta         -0.073***         -0.049*         -0.077***         -0.065**         -0.067***         -0.060***         -0.060***         -0.060***         -0.061***         -0.061***         -0.061***         -0.061***         -0.061***         -0.061***         -0.061***         -0.061***         -0.061         [0.025]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.026]         [0.025]         [0.026]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]	Saskatchewan								
British Columbia         [0.025]         [0.026]         [0.025]         [0.025]         [0.026]									
British Columbia         -0.094***         -0.008         -0.100***         -0.001         -0.001         -0.002         (0.025)         (0.026)           S Language         French outside Qubbac         0.003         0.023         0.002         0.033         (0.033)         (0.043)         (0.056)         (0.043)         (0.056)         (0.043)         (0.057)         (0.043)         (0.024)         (0.025)         (0.047)         (0.064         -0.047         (0.025)         (0.064)         -0.063         0.066***         (0.047)         (0.064)         -0.063         0.060***         (0.003)         (0.004)         (0.065)         (0.003)         (0.003)         (0.004)	Alberta				-0.058**			-0.067***	-0.060**
Image in the content of the conten of the content of the content of the content		[0.025]	[0.026]	[0.025]	[0.026]			[0.025]	[0.026]
Language French outside Québec         0.003         0.023         0.002         0.032         0.004         0.031           English in Québec         0.034         [0.035]         [0.033]         [0.035]         [0.033]         [0.036]           English in Québec         0.012         0.060         0.010         0.056         0.010         0.057           [0.043]         [0.025]         [0.043]         [0.053]         [0.043]         [0.043]         [0.057]           mother Only         0.025         -0.037         0.020         -0.019         0.023         -0.023           Father Only         0.025         -0.037         0.020         -0.019         0.023         -0.023           Father Only         0.025         -0.037         0.020         -0.019         0.023         -0.023           Father Only         0.025         -0.037         0.020         -0.019         0.024         [0.047]         [0.056]           Father Only         0.025         [0.057]         [0.049]         [0.056]         [0.047]         [0.058]           Father Only         0.030         -0.060         0.027         -0.053         0.031         -0.058           Iother         0.030         -0.064	British Columbia	-0.094***	-0.008	-0.100***	-0.001			-0.099***	0.001
French outside Québec         0.003         0.023         0.002         0.032         0.003         0.031         0.0031         0.0031         0.0031         0.0031         0.0031         0.0035         0.0031         0.0035         0.0035         0.0035         0.0035         0.0035         0.0035         0.0036         0.010         0.056         0.010         0.056         0.010         0.056         0.010         0.056         0.010         0.056         0.010         0.056         0.010         0.056         0.013         0.023		[0.024]	[0.026]	[0.025]	[0.026]			[0.025]	[0.026]
Image: Second Generation         [0.034]         [0.035]         [0.033]         [0.036]         [0.057]         [0.043]         [0.057]         [0.043]         [0.057]         [0.043]         [0.057]         [0.029]         [0.024]         [0.023]         -0.023         -0.047         -0.058         -0.033         -0.023         -0.043         -0.043         -0.058         -0.033         -0.033         -0	S Language								
English in Québec         0.012         0.060         0.010         0.056         0.010         0.057           Imily Structure (Two Parents)         (0.043)         (0.053)         (0.043)         (0.053)         (0.043)         (0.054)           Mother Only         0.025         -0.037         0.020         -0.019         (0.023)         -0.023         -0.023           Father Only         0.093*         -0.102*         0.082*         -0.071         0.064         -0.047           Io.052]         (0.057)         (0.049)         (0.056]         (0.047)         (0.024)           Guére         0.030         -0.066         0.027         -0.051         (0.047)         (0.056)           orther         0.030         -0.060         0.027         (0.085)         (0.080)         (0.080)         (0.080)           rents' Highest Level of Education         -0.004         0.064***         -0.003         0.060***         -0.003         (0.0003)         (0.004)         (0.003)         (0.004)         (0.003)         (0.004)         (0.003)         (0.004)         (0.003)         (0.004)         (0.003)         (0.004)         (0.003)         (0.003)         (0.004)         (0.003)         (0.003)         (0.004)         (0.003)	French outside Québec	0.003	0.023	0.002	0.032			0.004	0.031
English in Québec         0.012         0.060         0.010         0.056         0.010         0.057           mily Structure (Two Parents)         (0.043)         (0.055)         (0.043)         (0.053)         (0.043)         (0.054)           mily Structure (Two Parents)         0.022         -0.037         0.020         -0.019         (0.023)         -0.023           Faher Only         0.025         -0.037         0.020         -0.019         (0.024)         (0.024)           Faher Only         0.093*         -0.102*         0.082*         -0.071         0.064         -0.047           Iso 0.052         [0.057]         [0.049]         [0.056]         [0.047]         [0.026]           Stater         [0.079]         [0.087]         [0.079]         [0.085]         [0.080]         [0.080]           rents' Highest Level of Education         -0.004         0.064***         -0.003         0.060***         -0.003         0.060***           [0.00031         [0.004]         [0.003]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]           mily Income         0.0000448         0.0020179***         0.0000845         0.0019162***         0.0000727         0.0018960**		[0.034]	[0.035]	[0.033]	[0.035]			[0.033]	[0.036]
[0.043]       [0.055]       [0.043]       [0.053]       [0.043]       [0.043]       [0.043]         mily Structure (Two Parents)       [0.024]       [0.024]       [0.028]       [0.029]       [0.024]       [0.023]       -0.023         Father Only       0.093*       -0.102*       0.082*       -0.071       0.064       -0.047         Father Only       0.052]       [0.057]       [0.049]       [0.056]       [0.047]       [0.056]         Dither       0.030       -0.060       0.027       -0.053       0.031       -0.058         [0.079]       [0.087]       [0.079]       [0.085]       [0.080]       [0.085]         rents' Highest Level of Education       -0.004       0.064***       -0.003       0.060***       [0.003]       [0.004]         mily Income       0.0000448       0.0020179***       0.0000845       0.0019162***       0.0000727       0.0018960**         [0.0003357]       [0.0004480]       [0.0031]       [0.0033]       [0.00523]       [0.003433]       [0.0005035]         mily Income       0.0078**       0.186***       -0.070**       0.176***       -0.077**       0.184***         First Generation       -0.078**       0.186***       -0.070**       0.176***       <	English in Québec								
Woher Only         0.025         -0.037         0.020         -0.019         0.023         -0.023           Father Only         0.093*         -0.102*         0.082*         -0.071         0.064         -0.047           Dobs         0.030         -0.102*         0.082*         -0.071         0.064         -0.047           Dother         0.030         -0.060         0.027         -0.053         0.031         -0.058           Dother         0.030         -0.064         0.0041         [0.087]         [0.085]         [0.080]         [0.085]           rents' Highest Level of Education         -0.004         0.064***         -0.003         0.060***         -0.003         0.060***           [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]           mily Income         0.0000448         0.0020179***         0.0000845         0.0019162***         0.0000727         0.0018960**           [0.003357]         [0.004880]         [0.0033433]         [0.003623]         [0.003436]         [0.003503]           migrant Status (Not an Immigrant)	<b></b>								
Mother Only         0.025         -0.037         0.020         -0.019         0.023         -0.023           Father Only         0.093*         -0.102*         0.082*         -0.071         0.064         -0.047           Outber         0.030         -0.102*         0.082*         -0.071         0.047         [0.056]           Other         0.030         -0.060         0.027         -0.053         0.031         -0.058           Outber         0.0031         [0.079]         [0.087]         [0.079]         [0.085]         [0.080]         [0.085]           urents' Highest Level of Education         -0.004         0.064***         -0.003         0.060***         -0.003         0.060***           [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]           mily Income         0.0000448         0.0020179***         0.0000845         0.0019162***         0.0000727         0.0018960**           [0.003357]         [0.0004880]         [0.0033433]         [0.003623]         [0.003436]         [0.003503]           migrant Status (Not an Immigrant)	mily Structure (Two Parents)								
Father Only         [0.024]         [0.028]         [0.024]         [0.029]         [0.024]         [0.030]           Father Only         0.093*         -0.102*         0.082*         -0.071         0.064         -0.047           Other         0.052]         [0.057]         [0.049]         [0.056]         [0.047]         [0.056]           other         0.030         -0.060         0.027         -0.053         0.031         -0.058           Intents' Highest Level of Education         -0.004         0.064***         -0.003         0.060***         -0.003         0.060***           Intents' Highest Level of Education         -0.004         0.064***         -0.003         0.060***         -0.003         0.060***           Immity Income         0.0000448         0.0020179***         0.0000845         0.0019162***         0.0000727         0.0018960**           Immity Income         0.0000448         0.0020179***         0.0000845         0.0019162***         0.0000727         0.0018960**           Immity Income         0.0000448         0.020179***         0.0000845         0.0019162***         0.0000727         0.0018960**           Immity Income         0.000044880]         [0.0003433]         [0.0005023]         [0.0035]         [0.0035] <td></td> <td>0.025</td> <td>-0.037</td> <td>0.020</td> <td>-0.019</td> <td></td> <td></td> <td>0.023</td> <td>-0.023</td>		0.025	-0.037	0.020	-0.019			0.023	-0.023
Father Only         0.093*         -0.102*         0.082*         -0.071         0.064         -0.047           initial constraints         initial constraint	ionioi oniy								
Image: Note of Education         [0.052]         [0.057]         [0.049]         [0.056]         [0.047]         [0.056]           other         0.030         -0.060         0.027         -0.053         0.031         -0.058           [0.079]         [0.087]         [0.079]         [0.085]         [0.080]         [0.080]         [0.085]           irents' Highest Level of Education         -0.004         0.064***         -0.003         0.060***         -0.003         0.060***           [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]           imity Income         0.0000448         0.0020179***         0.0000845         0.0019162***         0.0000727         0.0018960**           [0.003357]         [0.0004880]         [0.003433]         [0.0005023]         [0.0003436]         [0.00050523]           imigrant Status (Not an Immigrant)         -         -         -         -         -         0.186***         -         -         0.035         [0.038]         [0.035]         [0.038]         [0.035]         [0.038]         [0.035]         [0.038]         [0.035]         [0.038]         [0.035]         [0.024]         0.118***           second Generation	Father Only								
Other         0.030         -0.060         0.027         -0.053         0.031         -0.058           [0.079]         [0.087]         [0.079]         [0.085]         [0.085]         [0.080]         [0.085]           irrents' Highest Level of Education         -0.004         0.064***         -0.003         0.060***         -0.003         0.000041           imity Income         0.0000448         0.0020179***         0.0000845         0.0019162***         0.0000727         0.0018960**           [0.003357]         [0.0004880]         [0.003433]         [0.0005023]         [0.0003436]         [0.00050523]           imigrant Status (Not an Immigrant)         First Generation         -0.078**         0.186***         -0.070**         0.176***         -0.077**         0.184***           second Generation         -0.047*         0.130***         -0.042*         0.126**         -0.043*         0.118***           [0.025]         [0.023]         [0.026]         [0.023]         [0.025]         [0.023]         [0.025]         [0.023]         [0.026]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         -0.047*         0.047*         0.042         0.052         -0.049         [0	Pather Only								
[0.079]       [0.087]       [0.079]       [0.085]       [0.080]       [0.085]         irents' Highest Level of Education       -0.004       0.064***       -0.003       0.060***       -0.003       0.060***         [0.003]       [0.004]       [0.003]       [0.004]       [0.004]       [0.004]       [0.004]       [0.004]         mily Income       0.0000448       0.0020179***       0.0000845       0.0019162***       0.0000727       0.0018960**         [0.0003357]       [0.0004880]       [0.0003433]       [0.0005023]       [0.0003436]       [0.0005023]         migrant Status (Not an Immigrant)       -       -       -       -       -       0.176***       -       0.077**       0.184***         [0.035]       [0.038]       [0.035]       [0.038]       [0.035]       [0.038]       [0.035]       [0.038]       [0.038]       [0.035]       [0.038]       [0.035]       [0.038]       [0.035]       [0.028]       [0.1024]       [0.1025]       [0.022]       [0.025]       [0.023]       [0.025]       [0.023]       [0.025]       [0.025]       [0.025]       [0.025]       [0.025]       [0.025]       [0.025]       [0.025]       [0.025]       [0.025]       [0.025]       [0.025]       [0.025]       [0.025]									
rents' Highest Level of Education         -0.004         0.064***         -0.003         0.060***         -0.003         0.060***           [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]         [0.003]         [0.004]           mily Income         0.0000448         0.0020179***         0.0000845         0.0019162***         0.0000727         0.0018960**           mily Income         0.000044880]         [0.0003433]         [0.0005023]         [0.0003436]         [0.00050535]           migrant Status (Not an Immigrant)         First Generation         -0.078**         0.186***         -0.070**         0.176***         -0.077**         0.184***           Second Generation         -0.047**         0.130***         -0.042*         0.120***         -0.043*         0.138]           Io.022]         [0.025]         [0.023]         [0.023]         [0.023]         [0.025]         [0.023]         [0.025]         [0.023]         [0.025]         [0.023]         [0.025]         0.052         -0.047*         0.047*         0.052         -0.049	Other								
[0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]         mily Income       0.0000448       0.0020179***       0.0000845       0.0019162***       0.0000727       0.0018960**         [0.003357]       [0.0004880]       [0.0003433]       [0.0005023]       [0.0003436]       [0.0005053]         migrant Status (Not an Immigrant)       "       -       -       -       -       -       0.077**       0.184***         [0.035]       [0.038]       [0.035]       [0.038]       [0.035]       [0.038]         Second Generation       -0.047**       0.130***       -0.042*       0.120***       -0.043*       0.1308]         [0.022]       [0.025]       [0.023]       [0.026]       [0.025]       [0.025]       0.023       [0.026]       [0.025]       0.025         unknown/Don't Know       0.052       -0.056       0.053       -0.047       0.052       -0.049		[0.079]	[0.087]	[0.079]	[0.085]			[0.080]	[0.085]
[0.003]       [0.004]       [0.003]       [0.004]       [0.003]       [0.004]         mily Income       0.0000448       0.0020179***       0.0000845       0.0019162***       0.0000727       0.0018960**         [0.003357]       [0.0004880]       [0.0003433]       [0.0005023]       [0.0003436]       [0.0005053]         migrant Status (Not an Immigrant)       "       "       -       -       -       0.077**       0.184***         [0.035]       [0.038]       [0.035]       [0.038]       [0.035]       [0.038]         Second Generation       -0.047**       0.130***       -0.042*       0.120***       -0.043*       0.130**         [0.022]       [0.025]       [0.023]       [0.026]       [0.025]       [0.025]       [0.025]         Unknown/Don't Know       0.052       -0.056       0.053       -0.047       0.052       -0.049	neutel High and Laural of Education	0.004	0.064***	0.002	0.060***			0.002	0.060***
[0.0003357]         [0.0004880]         [0.0003433]         [0.0005023]         [0.0003436]         [0.0005035]           migrant Status (Not an Immigrant)         First Generation         -0.078**         0.186***         -0.070**         0.176***         -0.077**         0.184***           First Generation         -0.047**         0.130***         -0.042*         0.120***         -0.043*         0.118***           Second Generation         -0.047**         0.130***         -0.042*         0.120***         -0.043*         0.118***           Unknown/Don't Know         0.052         -0.056         0.053         -0.047         0.052         -0.049	irents Highest Level of Education								
[0.0003357]         [0.0004880]         [0.0003433]         [0.0005023]         [0.0003436]         [0.0005035]           migrant Status (Not an Immigrant)         First Generation         -0.078**         0.186***         -0.070**         0.176***         -0.077**         0.184***           [0.035]         [0.038]         [0.035]         [0.038]         [0.038]         [0.038]         [0.038]         [0.038]         [0.038]         [0.038]         [0.038]         [0.038]         [0.021]         [0.022]         [0.023]         [0.023]         [0.025]         [0.023]         [0.025]         [0.023]         [0.025]         [0.023]         [0.025]         [0.023]         [0.025]         [0.023]         [0.026]         [0.023]         [0.025]         [0.024]         [0.025]         [0.025]         [0.026]         [0.025]         [0.025]         [0.026]         [0.025]         [0.025]         [0.026]         [0.026]         [0.025]         [0.026]         [0.026]         [0.025]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]									
Imigrant Status (Not an Immigrant)           First Generation         -0.078**         0.186***         -0.070**         0.176***         -0.077**         0.184***           [0.035]         [0.038]         [0.035]         [0.038]         [0.038]         [0.038]         [0.038]           Second Generation         -0.047**         0.130***         -0.042*         0.120***         -0.043*         0.118***           [0.022]         [0.025]         [0.023]         [0.026]         [0.022]         [0.025]           Unknown/Don't Know         0.052         -0.056         0.053         -0.047         0.052         -0.049	amily Income								0.0018960***
First Generation         -0.078**         0.186***         -0.070**         0.176***         -0.077**         0.184***           [0.035]         [0.038]         [0.035]         [0.038]         [0.035]         [0.038]         [0.043]         [0.118***         [0.023]         [0.025]         [0.025]         [0.047]         [0.052]         -0.049         [0.052]         -0.049         [0.052]         -0.049         [0.047]         [0.052]		[0.0003357]	[0.0004880]	[0.0003433]	[0.0005023]			[0.0003436]	[0.0005035]
[0.035]         [0.038]         [0.035]         [0.038]         [0.043]         [0.043]         [0.043]         [0.023]         [0.025]         [0.025]         [0.047]         [0.052]         [0.049]         [0.047]         [0.052]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049] <t< td=""><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	•								
Second Generation         -0.047**         0.130***         -0.042*         0.120***         -0.043*         0.118***           [0.022]         [0.025]         [0.023]         [0.026]         [0.023]         [0.025]           Unknown/Don't Know         0.052         -0.056         0.053         -0.047         0.052         -0.049	First Generation								
[0.022] [0.025] [0.023] [0.026] [0.023] [0.025] Unknown/Don't Know 0.052 -0.056 0.053 -0.047 0.052 -0.049									
Unknown/Don't Know 0.052 -0.056 0.053 -0.047 0.052 -0.049	Second Generation	-0.047**	0.130***	-0.042*	0.120***			-0.043*	0.118***
Unknown/Don't Know 0.052 -0.056 0.053 -0.047 0.052 -0.049		[0.022]	[0.025]	[0.023]	[0.026]			[0.023]	[0.025]
	Unknown/Don't Know								
				1 1				1. · · · · ·	L J

## Table 7a: HEDRES Index Components (PISA), Females

	Basic	Model	In	dex	Sepa	rately	Jo	intly
	College	University	College	University	College	University	College	University
Home Educational Resources			-0.002	0.073***				
			[0.008]	[0.008]				
Do you have at home?								
Dictionary					-0.045	0.297***	-0.071	0.229**
					[0.088]	[0.079]	[0.106]	[0.105]
A Quiet Place to Study					-0.028	0.104***	-0.018	0.048
					[0.030]	[0.032]	[0.031]	[0.035]
A desk for study					-0.027	0.107***	-0.024	0.081***
					[0.019]	[0.021]	[0.020]	[0.022]
Textbooks					-0.018	0.104***	-0.017	0.078***
					[0.022]	[0.022]	[0.022]	[0.023]
How many Calculators do you have at home? (One	)							
None					-0.008	-0.081	-0.013	-0.030
					[0.108]	[0.100]	[0.104]	[0.105]
Two					0.050	0.038	0.048	0.015
					[0.040]	[0.041]	[0.040]	[0.041]
Three or More					-0.001	0.119***	0.002	0.081**
					[0.034]	[0.037]	[0.034]	[0.038]
Observations	8,	518	8,	369			8,	304

### Table 7a: HEDRES Index Components (PISA), Females, continued

Standard errors in brackets. Average marginal effects shown. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars. \*\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

	Basic Model		Index		Separately		Jointly	
	College	University	College	University	College	University	College	University
HS Location - Urban (Rural)	-0.023	0.078***	-0.022	0.073***			-0.018	0.071***
	[0.017]	[0.016]	[0.017]	[0.017]			[0.017]	[0.017]
HS Province (Ontario)								
Newfoundland and Labrador	-0.087***	0.118***	-0.088***	0.108***			-0.081***	0.109***
	[0.028]	[0.029]	[0.028]	[0.029]			[0.029]	[0.030]
Prince Edward Island	-0.189***	0.216***	-0.191***	0.221***			-0.188***	0.218***
	[0.025]	[0.028]	[0.026]	[0.028]			[0.026]	[0.028]
Nova Scotia	-0.155***	0.162***	-0.158***	0.162***			-0.155***	0.165***
	[0.024]	[0.026]	[0.025]	[0.026]			[0.025]	[0.026]
New Brunswick	-0.169***	0.145***	-0.168***	0.143***			-0.164***	0.141***
	[0.023]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Québec	0.020	-0.077***	0.017	-0.077***			0.021	-0.079***
	[0.025]	[0.020]	[0.026]	[0.021]			[0.026]	[0.021]
Manitoba	-0.216***	0.112***	-0.212***	0.123***			-0.210***	0.123***
maintoba	[0.022]	[0.027]	[0.023]	[0.027]			[0.023]	[0.027]
Saskatchewan	-0.190***	0.108***	-0.191***	0.113***			-0.189***	0.115***
Caskatenewan	[0.022]	[0.025]	[0.022]	[0.026]			[0.022]	[0.026]
Alberta	-0.119***	0.003	-0.126***	0.001			-0.123***	-0.001
Alberta	[0.023]	[0.022]	[0.023]	[0.023]			[0.023]	[0.023]
	-0.106***	0.019	-0.109***	0.023			-0.105***	
British Columbia								0.022
	[0.024]	[0.024]	[0.025]	[0.024]			[0.025]	[0.024]
HS Language								
French outside Québec	0.043	0.005	0.041	0.005			0.038	0.007
	[0.034]	[0.035]	[0.034]	[0.036]			[0.035]	[0.037]
English in Québec	0.047	0.041	0.048	0.043			0.051	0.047
	[0.037]	[0.041]	[0.037]	[0.042]			[0.038]	[0.043]
Family Structure (Two Parents)								
Mother Only	-0.018	-0.047*	-0.015	-0.033			-0.015	-0.031
mother only	[0.024]	[0.026]	[0.025]	[0.026]			[0.025]	[0.026]
Father Only	0.030	-0.090**	0.030	-0.073			0.031	-0.071
	[0.051]	[0.045]	[0.052]	[0.048]			[0.053]	[0.049]
Other	0.011	0.000	0.019	0.028			0.025	0.029
Other	[0.085]	[0.100]	[0.089]	[0.103]			[0.089]	[0.101]
	[0.065]	[0.100]	[0.069]	[0.103]			[0.089]	[0.101]
	0.000**	0.004***	0.000**	0.004***			0.000**	0.004***
Parents' Highest Level of Education	-0.008**	0.064***	-0.008**	0.061***			-0.009**	0.061***
	[0.003]	[0.004]	[0.004]	[0.004]			[0.004]	[0.004]
	0 0000 482	0 0006744***	0.0000646	0.0006393**			0.0000242	0.0006400*
Family Income	[0.0002192]	0.0006744*** [0.0002434]		0.0006282** [0.0002464]			-0.0000343 [0.0002186]	0.0006409**
mmigrant Status (Not an Immigrant)	0.046	0.400***	0.000	0.40.4***			0.000	0.100***
First Generation	0.013	0.126***	-0.003	0.124***			-0.002	0.122***
	[0.034]	[0.038]	[0.035]	[0.038]			[0.035]	[0.038]
Second Generation	-0.010	0.120***	-0.008	0.118***			-0.006	0.119***
	[0.021]	[0.023]	[0.022]	[0.023]			[0.022]	[0.023]
Unknown/Don't Know	-0.059 [0.054]	-0.025 [0.062]	-0.077 [0.052]	-0.028 [0.063]			-0.079 [0.051]	-0.026 [0.062]

## Table 7b: HEDRES Index Components (PISA), Males

	Basic	Model	In	dex	Sepa	arately	Jo	intly
	College	University	College	University	College	University	College	University
Home Educational Resources			0.015*	0.049***				
			[0.008]	[0.008]				
Do you have at home?								
Dictionary					0.102*	0.161**	0.056	0.081
					[0.060]	[0.067]	[0.073]	[0.079]
A Quiet Place to Study					0.063**	0.069**	0.047	0.016
					[0.028]	[0.030]	[0.030]	[0.033]
A desk for study					0.027	0.083***	0.006	0.052**
					[0.021]	[0.022]	[0.024]	[0.024]
Textbooks					0.017	0.071***	0.003	0.049**
					[0.019]	[0.019]	[0.020]	[0.020]
How many Calculators do you have at home? (One	)							
None					-0.011	-0.038	0.014	-0.024
					[0.093]	[0.079]	[0.100]	[0.085]
Two					0.050	0.065*	0.038	0.048
					[0.040]	[0.038]	[0.040]	[0.037]
Three or More					0.047	0.119***	0.032	0.093**
					[0.035]	[0.036]	[0.036]	[0.037]
Observations	8,	120	7,	914			7,	862

### Table 7b: HEDRES Index Components (PISA), Males, continued

Standard errors in brackets. Average marginal effects shown. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars. \*\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

	Basic Model		Index		Separately		Jointly	
	College	University	College	University	College	University	College	University
IS Location - Urban (Rural)	-0.047***	0.053***	-0.045***	0.046**			-0.045***	0.044**
	[0.017]	[0.018]	[0.017]	[0.018]			[0.017]	[0.018]
IS Province (Ontario)								
Newfoundland and Labrador	-0.140***	0.142***	-0.149***	0.162***			-0.147***	0.160***
	[0.026]	[0.029]	[0.026]	[0.028]			[0.026]	[0.028]
Prince Edward Island	-0.183***	0.191***	-0.190***	0.205***			-0.191***	0.206***
	[0.024]	[0.026]	[0.023]	[0.025]			[0.023]	[0.025]
Nova Scotia	-0.184***	0.187***	-0.184***	0.188***			-0.178***	0.182***
	[0.023]	[0.025]	[0.023]	[0.025]			[0.023]	[0.025]
New Brunswick	-0.168***	0.151***	-0.170***	0.159***			-0.167***	0.160***
	[0.024]	[0.026]	[0.023]	[0.025]			[0.023]	[0.025]
Québec	0.012	-0.056**	0.008	-0.046*			-0.001	-0.034
	[0.024]	[0.027]	[0.024]	[0.027]			[0.024]	[0.027]
Manitoba	-0.161***	0.090***	-0.160***	0.089***			-0.158***	0.091***
	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Saskatchewan	-0.141***	0.077***	-0.144***	0.085***			-0.135***	0.078***
ouokatonowan	[0.024]	[0.027]	[0.024]	[0.026]			[0.024]	[0.026]
Alberta	-0.073***	-0.049*	-0.072***	-0.051*			-0.066***	-0.053**
Alberta	[0.025]	[0.026]	[0.025]	[0.026]			[0.025]	[0.026]
	-0.094***	-0.008	-0.092***	-0.008			-0.088***	-0.006
British Columbia	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
	[0.024]	[0.020]	[0.024]	[0.020]			[0.024]	[0.020]
S Language								
French outside Québec	0.003	0.023	-0.001	0.030			-0.002	0.038
	[0.034]	[0.035]	[0.033]	[0.034]			[0.033]	[0.035]
English in Québec	0.012	0.060	0.007	0.067			0.018	0.053
	[0.043]	[0.055]	[0.042]	[0.054]			[0.042]	[0.055]
mily Structure (Two Parents)								
Mother Only	0.025	-0.037	0.028	-0.045			0.031	-0.050*
	[0.024]	[0.028]	[0.024]	[0.028]			[0.024]	[0.028]
Father Only	0.093*	-0.102*	0.090*	-0.095*			0.064	-0.067
	[0.052]	[0.057]	[0.052]	[0.057]			[0.048]	[0.056]
Other	0.030	-0.060	0.030	-0.061			0.034	-0.062
	[0.079]	[0.087]	[0.080]	[0.082]			[0.080]	[0.082]
	[0.075]	[0.007]	[0:000]	[0.002]			[0.000]	[0:002]
rents' Highest Level of Education	-0.004	0.064***	-0.003	0.057***			-0.002	0.055***
Tents Tignest Level of Education	[0.003]	[0.004]	[0.003]	[0.004]			[0.003]	[0.004]
	[0.003]	[0.004]	[0.003]	[0.004]			[0.005]	[0.004]
mily Income	0.0000448	0.0020179***	0.0000302	0.0016795***			0.0000216	0.0016372***
and a second	[0.0003357]	[0.0004880]		[0.0004803]			[0.0003261]	
migrant Status (Not an Immigrant)								
First Generation	-0.078**	0.186***	-0.082**	0.187***			-0.094***	0.195***
	[0.035]	[0.038]	[0.034]	[0.037]			[0.033]	[0.036]
Second Constation	-0.047**	0.130***	-0.046**	0.129***			-0.046**	0.127***
Second Generation	[0.022]	[0.025]	-0.046 [0.022]	[0.025]			-0.046 [0.022]	[0.025]
Unknown/Don't Know	0.022	-0.056	[0.022] 0.048	-0.043			0.022	[0.025] -0.047
UNKNOWN/DON'T KNOW								-0.047
	[0.061]	[0.066]	[0.061]	[0.065]			[0.061]	[0.064]

## Table 8a: CULTACTV Index Components (PISA), Females

	Basic	Model	In	dex	Sepa	rately	Joi	ntly
	College	University	College	University	College	University	College	University
Activities related to "classical" culture			-0.008 [0.008]	0.101*** [0.009]				
How often do you go (Never)								
to a Museum or Art Gallery?								
Once or twice a year					-0.056*** [0.016]	0.139*** [0.017]	-0.053*** [0.017]	0.110*** [0.018]
Three or four times a year					-0.122*** [0.029]	0.245*** [0.030]	-0.112*** [0.031]	0.193*** [0.033]
Five or more times a year					-0.056 [0.046]	0.167*** [0.049]	-0.044 [0.048]	0.093* [0.050]
to an Opera, Ballet or Classical Symphony Concert?								
Once or twice a year					-0.043**	0.106***	-0.025	0.061***
					[0.018]	[0.020]	[0.019]	[0.021]
Three or four times a year					-0.056	0.152***	-0.028	0.094
Five or more times a year					[0.051] -0.064 [0.072]	[0.059] 0.210*** [0.079]	[0.052] -0.036 [0.073]	[0.060] 0.154* [0.081]
to Live Theatre?								
Once or twice a year					-0.024 [0.016]	0.112*** [0.018]	-0.005 [0.017]	0.072*** [0.018]
Three or four times a year					-0.045*	0.133***	-0.012	0.063**
Five or more times a year					[0.025] -0.022	[0.028] 0.146***	[0.027] 0.025	[0.030] 0.058
rive or more times a year					[0.035]	[0.039]	[0.038]	[0.040]
Observations	8,	515	8.	474			8,4	408

### Table 8a: CULTACTV Index Components (PISA), Females, continued

Standard errors in brackets. Average marginal effects shown. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars.

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

2 Location - Urban (Rural)         -0.023         0.076***         -0.023         0.076***           2 Location - Urban (Rural)         -0.017         [0.016]         [0.017]         [0.016]           9 Province (Ontatio)         Newtonada and Labrador         -0.028         [0.029]		Basic Model		In	dex	Sepa	arately	Jointly	
ID.017]         ID.017]         ID.016]         ID.017]         ID.016]         ID.017]         ID.016]           Province (Ontatin)         -0.087***         -0.087***         -0.088***         -0.088***         -0.0281         ID.028]         ID.0281         ID.0281 <th></th> <th>College</th> <th>University</th> <th>College</th> <th>University</th> <th>College</th> <th>University</th> <th>College</th> <th>University</th>		College	University	College	University	College	University	College	University
ID.017]         ID.017]         ID.016]         ID.017]         ID.016]         ID.017]         ID.016]           Province (Ontatin)         -0.087***         -0.087***         -0.088***         -0.088***         -0.0281         ID.028]         ID.0281         ID.0281 <td>IS Location - Urban (Rural)</td> <td>-0.023</td> <td>0.078***</td> <td>-0.023</td> <td>0.076***</td> <td></td> <td></td> <td>-0.022</td> <td>0.076***</td>	IS Location - Urban (Rural)	-0.023	0.078***	-0.023	0.076***			-0.022	0.076***
herdenamia and Labrador         -0.087**         0.118***         -0.090**         0.128***         -0.090**         0.0281         (0.029)           Price Standard Island         -0.189***         0.216***         -0.191***         0.227***         -0.189***         0.2291           Nore Scola         -0.155***         0.155***         0.155***         0.157***         -0.155***         0.167***         -0.155***         0.167***         -0.155***         0.167***         -0.155***         0.167***         -0.155***         0.167***         -0.155***         0.167***         -0.155***         0.167***         -0.167***         0.161***         0.10221         (0.026)         (0.021)         (0.026)         (0.021)         (0.025)         (0.022)									
D0.229         D0.229 <thd.229< th=""> <thd.229< th="">         D0.229</thd.229<></thd.229<>	IS Province (Ontario)								
Prince Brands lated         -0.189**         0.216***         -0.191***         0.227***         -0.168***         0.1625**         0.0261         0.02251         0.02271         0.02651         0.0271           Nove Secta         -0.155***         0.157***         -0.157***         0.157***         -0.157***         0.167***         -0.157***         -0.167***         -0.19***         -0.256***         -0.19***         -0.1022*         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         10.0221         1	Newfoundland and Labrador	-0.087***	0.118***	-0.090***	0.128***			-0.088***	0.130***
ID 0.25]         ID 0.221         ID 0.251         ID 0.271         ID 0.251         ID 0.271           Ners Scota         -0.155***         0.157***         -0.155***         0.157***           Ners Munawick         -0.169***         0.161***         0.157***         0.157***           Io 0.231         ID 0.226         ID 0.221         ID 0.224         ID 0.224         ID 0.224           Io 0.251         ID 0.0251         ID 0.0251         ID 0.024         ID 0.225           Io 0.251         ID 0.0251         ID 0.021         ID 0.0251         ID 0.024         ID 0.225           Io 0.221         ID 0.0221         ID 0.0221         ID 0.0251         ID 0.021         ID 0.0251           Io 0.221         ID 0.021         ID 0.0221         ID 0.0251         ID 0.021         ID 0.0251           Io 0.221         ID 0.0221         ID 0.0		[0.028]	[0.029]	[0.028]	[0.029]			[0.028]	[0.029]
Non S Scola         -0.155 <sup>+++</sup> -0.155 <sup>+++</sup> -0.155 <sup>+++</sup> -0.155 <sup>+++</sup> -0.155 <sup>+++</sup> 0.0224         [0.0226]         [0.024]         [0.025]         [0.024]         [0.025]         [0.024]         [0.025]         [0.024]         [0.025]         [0.024]         [0.025]         [0.024]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.025]         [0.026]         [0.026]         [0.021]         [0.026]         [0.021]         [0.026]         [0.021]         [0.022]         [0.021]         [0.022]         [0.021]         [0.022]         [0.021]         [0.022]         [0.021]         [0.022]         [0.022]         [0.021]         [0.022] <td< td=""><td>Prince Edward Island</td><td>-0.189***</td><td>0.216***</td><td>-0.191***</td><td>0.227***</td><td></td><td></td><td>-0.188***</td><td>0.230***</td></td<>	Prince Edward Island	-0.189***	0.216***	-0.191***	0.227***			-0.188***	0.230***
10.0241         [0.025]         [0.024]         [0.025]         [0.024]         [0.025]           New Brunswick         -0.161***         -0.171***         0.157***         -0.171***         0.164***           [0.025]         [0.026]         [0.026]         [0.025]         0.024         [0.025]           Guete         0.025         [0.027]         [0.026]         [0.021]         -0.069***           [0.022]         [0.027]         [0.026]         [0.021]         -0.166***         0.1021**           Mantioba         -0.216***         0.111***         -0.166***         0.1022]         [0.022]         [0.022]         [0.026]         [0.022]         [0.026]         [0.022]         [0.026]         [0.022]         [0.026]         [0.022]         [0.026]         [0.022]         [0.026]         [0.022]         [0.026]         [0.022]         [0.026]         [0.022]         [0.026]         [0.022]         [0.026]         [0.022] </td <td></td> <td>[0.025]</td> <td>[0.028]</td> <td>[0.025]</td> <td>[0.027]</td> <td></td> <td></td> <td>[0.025]</td> <td>[0.027]</td>		[0.025]	[0.028]	[0.025]	[0.027]			[0.025]	[0.027]
New Bunawak         -0.169***         0.145***         -0.171***         0.164***           10.0231         10.0261         10.0251         10.0264         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261         10.0251         10.0261	Nova Scotia	-0.155***	0.162***	-0.155***	0.157***			-0.155***	0.161***
(0.028)         (0.028)         (0.028)         (0.028)         (0.028)           Outbee         (0.020)         (0.027)**         (0.028)         (0.021)         (0.022)         (0.021)           Manitoba         -0.216***         (0.112***         -0.216***         (0.110***         -0.216***         (0.022)           Saskatchewan         -0.190***         0.112***         -0.216***         (0.112***         -0.190****         (0.114***           Saskatchewan         -0.190***         0.116***         0.0022         (0.022)         (0.022)         (0.022)         (0.022)           Aberta         -0.190***         0.003         -0.117***         0.002         -0.115***         0.002           Aberta         -0.106***         0.012         (0.022)         (0.023)         (0.022)           British Columbia         -0.106***         0.012         (0.024)         (0.024)         (0.024)           Independence         0.043         0.005         0.045         0.005         0.042         0.012           Independence         0.043         0.005         0.045         0.006*         0.042         0.014           Independence         0.047         0.041         0.046         0.0401         0.003		[0.024]	[0.026]	[0.024]	[0.025]			[0.024]	[0.026]
Coubbac         0.0201         0.0201         0.0201         0.0201         0.0201         0.0201         0.0201         0.0261         0.0201         0.0261         0.0201         0.0261         0.0201         0.0261         0.0201         0.0261         0.0201         0.0261         0.0221         0.0211         0.0211         0.0221         0.0231         0.0231	New Brunswick	-0.169***	0.145***	-0.171***	0.157***			-0.171***	0.164***
Coubbac         0.0201         0.0201         0.0201         0.0201         0.0201         0.0261         0.02091         0.0261         0.0201         0.0261         0.0201         0.0261         0.0201         0.0261         0.0201         0.0261         0.0211         0.0211         0.0216         0.0211         0.0211         0.0211         0.0221         0.0231         0.023		[0.023]	[0.026]	[0.023]	[0.025]			[0.024]	[0.025]
Manitobs         -0.216***         0.112***         -0.216***         0.111***           Baskatchewan         -0.190***         0.108***         -0.191***         0.196***         0.111***           Aborn         -0.190***         0.108***         -0.191***         0.196***         0.111***           Aborn         -0.191***         0.003         -0.117***         0.002         -0.115***         0.002           British Columbia         -0.023         [0.022]         [0.024]         [0.027]         [0.024]         [0.024]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]	Québec	0.020	-0.077***	0.020	-0.070***			0.025	-0.069***
Manitobs         -0.216***         0.112***         -0.216***         0.111***           Baskatchewan         -0.190***         0.108***         -0.191***         0.196***         0.111***           Aborn         -0.190***         0.108***         -0.191***         0.196***         0.111***           Aborn         -0.191***         0.003         -0.117***         0.002         -0.115***         0.002           British Columbia         -0.023         [0.022]         [0.024]         [0.027]         [0.024]         [0.024]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]		[0.025]	[0.020]	[0.026]	[0.021]			[0.026]	[0.021]
IO 0221         IO 0271         IO 0221         IO 0231         IO 0231         IO 0231         IO 0231 <t< td=""><td>Manitoba</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Manitoba								
Saskachewan         -0.190***         0.108***         -0.144***         0.111***         -0.198***         0.114***           [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]         [0.023]         [0.022]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.024]         [0.025]         [0.025]         [0.024]         [0.024]         [0.024]         [0.024]         [0.034]         [0.034]									
ID         ID <thid< th="">         ID         ID         ID<!--</td--><td>Saskatchewan</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thid<>	Saskatchewan								
Albers         -0.119***         0.002         -0.115***         0.002           ID.0231         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.023]         [0.024]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.026]         [0.02	Saskalchewan								
British Columbia         [0.023]         [0.022]         [0.023]         [0.022]         [0.023]         [0.022]           British Columbia         -0.106***         0.019         -0.103***         0.009         -0.105***         0.012           I (0.024)         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]           I (0.024)         [0.024]         [0.024]         [0.024]         [0.024]         [0.024]           I (0.024)         [0.035]         [0.034]         [0.035]         [0.036]         [0.041]           English in Quebec         0.047         0.041         [0.037]         [0.041]         [0.037]         [0.041]           mily Structure (Two Parents)         -0.018         -0.047         -0.010         -0.050**         -0.012         -0.052           Mother only         -0.018         -0.047         0.022         -0.091**         0.028         -0.044**           [0.025]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026] <td< td=""><td>Alberto</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Alberto								
British Columbia         -0.106***         0.019         -0.103***         0.000         -0.102**         0.012           Stanguage         French outside Québec         0.043         0.005         0.042         0.043         (0.034)         (0.035)         (0.034)         (0.036)           English in Québec         0.047         0.041         0.046         0.040         0.039         0.045           English in Québec         0.047         0.041         0.046         0.040         0.039         0.045           Imity Structure (Two Parents)         Mother Only         -0.018         -0.047*         -0.010         -0.050**         -0.012         -0.052**           Mother Only         0.030         -0.091**         0.022         10.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.043]         [0.043]         [0.049]         [0.042]         [0.049]         [0.043]         [0.044]         [0.049]         [0.043]         [0.049]         [0.041]         [0.004]         [0.049]         [0.043]         [0.043]         [0.043]         [0.044]         [0.044]         [0.044]         [0.044]         [0.044]         [0.044]         [0.044]         [0.044]         [0.044]         [0.044]         [0.044]	Alberta								
[0.024]       [0.024]       [0.024]       [0.024]       [0.024]       [0.024]         SLanguage       French outside Québec       0.043       0.005       0.045       0.005       [0.034]       [0.035]         English in Québec       0.047       0.041       0.046       0.040       0.039       [0.037]       [0.041]         mily Structure (Two Parents)       -0.018       -0.047*       -0.010       -0.050**       -0.012       -0.052**         Mother Only       -0.018       -0.047*       -0.010       -0.050**       -0.025       [0.025]       [0.026]       [0.021]       [0.024]       [0.021]       [0.022]       [0.025]       [0.025]       [0.026]       [0.026]       [0.026]       [0.026]									
Since is a product of the second se	British Columbia								
French outside Québec         0.043         0.005         0.045         0.005         0.042         0.014           [0.034]         [0.035]         [0.034]         [0.035]         [0.036]         [0.034]         [0.035]           English in Québec         0.047         0.041         [0.041]         [0.037]         [0.041]         [0.037]         [0.041]           mily Structure (Two Parents)         -0.018         -0.047*         -0.010         -0.050**         -0.012         -0.052**           Mother Only         -0.018         -0.047*         -0.010         -0.050**         -0.012         -0.052**           Faher Only         -0.018         -0.047*         -0.010         -0.050**         -0.012         -0.052**           Foldors         -0.019**         0.022         -0.091**         -0.012         -0.052**           Foldors         -0.011         0.0021         [0.049]         [0.043]         [0.042]         -0.011         0.022           Other         0.011         0.000         -0.014         0.033         [0.064]         [0.008]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0.049]         [0		[0.024]	[0.024]	[0.024]	[0.024]			[0.024]	[0.024]
English in Québec         [0.034]         [0.035]         [0.034]         [0.035]         [0.036]         [0.036]         [0.037]         [0.037]           mily Structure (Two Parents)         -0.018         -0.047*         -0.010         -0.050**         -0.012         -0.052**           Mother Only         -0.018         -0.047*         -0.010         -0.050**         -0.012         -0.052**           Mother Only         -0.018         -0.047*         -0.010         -0.050**         -0.012         -0.052**           Io.024]         [0.026]         [0.025]         [0.025]         [0.026]         [0.026]         [0.025]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.043]         [0.043]         [0.043]         [0.044]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046]         [0.046] <td>S Language</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	S Language								
English in Québec         0.047         0.041         0.046         0.040         0.039         0.045           Igilish in Québec         Igilish Zilish Québec         Igilish Zilish Québec         Igi	French outside Québec	0.043							
[0.037]       [0.041]       [0.037]       [0.041]       [0.037]       [0.041]         mily Structure (Two Parents)       -0.018       -0.047*       -0.010       -0.050**       -0.012       -0.052**         Mother Only       -0.018       -0.047*       -0.010       -0.050**       -0.012       -0.052**         Father Only       0.030       -0.090**       0.022       -0.091**       0.028       -0.048         Io.051]       [0.045]       [0.043]       [0.043]       [0.042]       [0.042]         other       0.011       0.000       -0.014       0.034       -0.011       0.048         [0.085]       [0.100]       [0.082]       [0.107]       [0.082]       [0.108]         rents' Highest Years of School       -0.0064***       -0.007*       0.058***       -0.007*       0.058***         [0.003]       [0.004]       [0.003]       [0.004]       [0.004]       [0.004]       [0.004]         mily Income (\$1000s)       -0.0000482       0.006744***       -0.0000191       0.005762***       -0.0000058       0.000194         [0.002192]       [0.0002424]       [0.0002052]       [0.0002227]       [0.0005107]       [0.00020107]         mily Income (\$1000s)       -0.013 <td< td=""><td></td><td>[0.034]</td><td>[0.035]</td><td>[0.034]</td><td>[0.035]</td><td></td><td></td><td>[0.034]</td><td>[0.035]</td></td<>		[0.034]	[0.035]	[0.034]	[0.035]			[0.034]	[0.035]
mily Structure (Two Parents)         -0.018         -0.047*         -0.010         -0.050**         -0.012         -0.052**           Father Only         [0.024]         [0.026]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.026]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.043]         [0.043]         [0.049]         [0.042]         [0.042]         [0.048]         [0.048]         [0.048]         [0.048]         [0.048]         [0.048]         [0.048]         [0.048]         [0.048]         [0.048]         [0.048]         [0.082]         [0.107]         [0.082]         [0.108]         [0.082]         [0.108]         [0.048]         [0.048]         [0.048]         [0.048]         [0.082]         [0.108]         [0.082]         [0.108]         [0.082]         [0.004]         [0.082]         [0.004]         [0.082]         [0.004]         [0.004]         [0.004]         [0.0021]         [0.002192]         [	English in Québec	0.047	0.041	0.046	0.040			0.039	0.045
Mother Only         -0.018         -0.047*         -0.010         -0.050**         -0.012         -0.052**           [0.024]         [0.026]         [0.025]         [0.025]         [0.025]         [0.026]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.085]         [0.100]         [0.082]         [0.107]         [0.082]         [0.108]         [0.082]         [0.108]         [0.082]         [0.108]         [0.082]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.002192]         [0.0002092]         [0.0002092]         [0.0002092]         [0.0002092]         [0.0002092]         [0.0002092]         [0.0002092]         [0.0002092]         [0.0002092]         [0.0002092]         [0.0000]         [0.114***         0.009		[0.037]	[0.041]	[0.037]	[0.041]			[0.037]	[0.041]
Father Only         [0.024]         [0.026]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.026]         [0.025]         [0.025]         [0.025]         [0.025]         [0.025]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.026]         [0.043]         [0.042]         [0.082]         [0.082]         [0.082]         [0.082]         [0.082]         [0.082]         [0.002]         [0.003]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.002]         [0.002]         [0.002]         [0.002]         [0.002]         [0.002]         [0.002]         [0.0002]         [0.002]         [0.002]	mily Structure (Two Parents)								
Father Only       0.030       -0.090**       0.022       -0.091**       0.028       -0.084**         [0.051]       [0.045]       [0.049]       [0.043]       [0.049]       [0.042]         Other       0.011       0.000       -0.014       0.034       -0.011       0.048         [0.085]       [0.100]       [0.082]       [0.107]       [0.082]       [0.108]         irents' Highest Years of School       -0.008**       0.064***       -0.007*       0.058***       -0.007*       0.058***         [0.003]       [0.004]       [0.003]       [0.004]       [0.004]       [0.004]       [0.004]         mily Income (\$1000s)       -0.0000482       0.0006744***       -0.0000191       0.0005762***       -0.0000058       0.0001991         [0.0002192]       [0.0002434]       [0.0002052]       [0.0002227]       [0.0005107]       [0.0002098         migrant Status (Not an Immigrant)       -0.013       0.126***       0.012       0.119***       -0.003       0.114***         Second Generation       0.013       0.126***       0.012       0.119***       -0.003       0.114***         0.021       [0.021]       [0.023]       [0.021]       [0.022]       [0.022]       [0.022]       [0.022]	Mother Only	-0.018	-0.047*	-0.010	-0.050**			-0.012	-0.052**
Father Only       0.030       -0.090**       0.022       -0.091**       0.028       -0.084**         [0.051]       [0.045]       [0.049]       [0.043]       [0.049]       [0.042]         Other       0.011       0.000       -0.014       0.034       -0.011       0.048         [0.085]       [0.100]       [0.082]       [0.107]       [0.082]       [0.108]         irents' Highest Years of School       -0.008**       0.064***       -0.007*       0.058***       -0.007*       0.058***         [0.003]       [0.004]       [0.003]       [0.004]       [0.004]       [0.004]       [0.004]         mily Income (\$1000s)       -0.0000482       0.0006744***       -0.0000191       0.0005762***       -0.0000058       0.0001991         [0.0002192]       [0.0002434]       [0.0002052]       [0.0002227]       [0.0005107]       [0.0002098         migrant Status (Not an Immigrant)       -0.013       0.126***       0.012       0.119***       -0.003       0.114***         Second Generation       0.013       0.126***       0.012       0.119***       -0.003       0.114***         0.021       [0.021]       [0.023]       [0.021]       [0.022]       [0.022]       [0.022]       [0.022]		[0.024]	[0.026]	[0.025]	[0.025]			[0.025]	[0.025]
Other         [0.051]         [0.045]         [0.049]         [0.043]         [0.043]         [0.042]         [0.042]         [0.043]         [0.043]         [0.042]         [0.043]         [0.043]         [0.042]         [0.043]         [0.043]         [0.042]         [0.043]         [0.043]         [0.042]         [0.043]         [0.043]         [0.042]         [0.011]         0.048         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.043]         [0.082]         [0.108]           rents' Highest Years of School         -0.008**         0.064***         -0.007*         0.058***         -0.007*         0.058***         -0.007*         0.058***         -0.00048         0.004]         [0.004]         [0.004]         [0.004]         [0.004]         [0.00191]         [0.000252]         [0.0002277]         [0.0005107]         [0.0001991]         [0.0002052]         [0.0002027]         [0.0005107]         [0.000191]         [0.0020192]         [0.0020192]         [0.0020192]         [0.0020192]         [0.0020192]         [0.0020192]         [0.0020192]         [0.0020192]         [0.0021]         [0.0021]         [0.022]	Father Only	0.030			-0.091**			0.028	-0.084**
Duter         0.011         0.000         -0.014         0.034         -0.011         0.048           [0.085]         [0.100]         [0.082]         [0.107]         [0.082]         [0.108]           rents' Highest Years of School         -0.008**         0.064***         -0.007*         0.058***         -0.007*         0.058***           [0.003]         [0.004]         [0.003]         [0.004]         [0.004]         [0.004]         [0.004]           mily Income (\$1000s)         -0.0000482         0.0006744***         -0.0000191         0.0005762***         -0.0000058         0.0001991           [0.0002192]         [0.0002434]         [0.0002052]         [0.0002227]         [0.0005107]         [0.0002094           migrant Status (Not an Immigrant)         First Generation         0.012         0.119***         0.009         0.114***           [0.034]         [0.034]         [0.034]         [0.034]         [0.034]         [0.037]           Second Generation         0.012         0.120***         -0.003         0.14****         -0.003         0.14****           [0.021]         [0.023]         [0.021]         [0.022]         [0.022]         [0.022]         [0.022]         [0.022]           Unknown/Don't Know         -0.059 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
[0.085]       [0.100]       [0.082]       [0.107]       [0.082]       [0.108]         rents' Highest Years of School       -0.008**       0.064***       -0.007*       0.058***       -0.007*       0.058***         [0.003]       [0.004]       [0.003]       [0.004]       [0.004]       [0.004]       [0.004]         mily Income (\$1000s)       -0.0000482       0.0006744***       -0.0000191       0.0005762***       -0.0000058       0.0001991         migrant Status (Not an Immigrant)       [0.0002192]       [0.0002434]       [0.034]       [0.034]       [0.034]       [0.037]         Second Generation       0.012       0.120***       -0.004       -0.003       0.114***         [0.021]       [0.023]       [0.021]       [0.022]       [0.022]       [0.022]         unknown/Don't Know       -0.059       -0.025       -0.047       -0.040       -0.047	Other								
rents' Highest Years of School       -0.008**       0.064***       -0.007*       0.058***       -0.007*       0.058***         [0.003]       [0.004]       [0.003]       [0.004]       [0.004]       [0.004]       [0.004]         mily Income (\$1000s)       -0.0000482       0.0006744***       -0.0000191       0.0005762***       -0.0000058       0.0001991         migrant Status (Not an Immigrant)       [0.0002192]       [0.0002434]       [0.0002052]       [0.00020227]       [0.0009       0.114***         First Generation       0.013       0.126***       0.012       0.119***       0.009       0.114***         Second Generation       -0.010       0.120***       -0.006       0.120***       -0.003       0.114***         [0.021]       [0.023]       [0.021]       [0.022]       [0.022]       [0.022]       [0.022]         Unknown/Don't Know       -0.059       -0.025       -0.047       -0.040       -0.047       -0.047									
[0.003]       [0.004]       [0.003]       [0.004]       [0.004]       [0.004]         mily Income (\$1000s)       -0.0000482       0.0006744***       -0.0000191       0.0005762***       -0.0000058       0.0001991         migrant Status (Not an Immigrant)       [0.002192]       [0.002434]       [0.002052]       [0.00020227]       [0.0009       0.114***         First Generation       0.013       0.126***       0.012       0.119***       0.009       0.114***         Second Generation       0.010       0.120***       -0.006       0.120***       -0.003       0.114***         [0.034]       [0.038]       [0.034]       [0.038]       [0.034]       [0.037]       0.002         second Generation       -0.010       0.120***       -0.006       0.120***       -0.003       0.114***         [0.021]       [0.023]       [0.021]       [0.022]       [0.022]       [0.022]       [0.022]       [0.022]         Unknown/Don't Know       -0.059       -0.025       -0.047       -0.040       -0.047       -0.047		[0.000]	[01100]	[01002]	[0.101]			[0:002]	[01100]
[0.003]       [0.004]       [0.003]       [0.004]       [0.004]       [0.004]         mily Income (\$1000s)       -0.0000482       0.0006744***       -0.0000191       0.0005762***       -0.0000058       0.0001991         migrant Status (Not an Immigrant)       [0.002192]       [0.002434]       [0.002052]       [0.00020227]       [0.0009       0.114***         First Generation       0.013       0.126***       0.012       0.119***       0.009       0.114***         Second Generation       0.010       0.120***       -0.006       0.120***       -0.003       0.114***         [0.034]       [0.038]       [0.034]       [0.038]       [0.034]       [0.037]       0.002         second Generation       -0.010       0.120***       -0.006       0.120***       -0.003       0.114***         [0.021]       [0.023]       [0.021]       [0.022]       [0.022]       [0.022]       [0.022]       [0.022]         Unknown/Don't Know       -0.059       -0.025       -0.047       -0.040       -0.047       -0.047	rents' Highest Years of School	-0.008**	0.064***	-0.007*	0.058***			-0.007*	0 058***
mily Income (\$1000s)       -0.0000482       0.0006744***       -0.0000191       0.0005762***       -0.0000058       0.0001991         mily Income (\$1000s)       -0.0000482       0.0006744***       -0.0000191       0.0005762***       -0.0000058       0.0001991         mily Income (\$1000s)       -0.00002192]       [0.00020434]       [0.0002052]       [0.00020227]       [0.0005107]       [0.0002094         mily Income (\$1000s)       0.013       0.126***       0.012       0.119***       0.009       0.114***         First Generation       0.013       0.126***       0.012       [0.038]       [0.034]       [0.034]       [0.034]       [0.034]       [0.037]         Second Generation       -0.010       0.120***       -0.006       0.120***       -0.003       0.114***         [0.021]       [0.023]       [0.021]       [0.022]       [0.022]       [0.022]       [0.022]       [0.022]       [0.022]       [0.022]       [0.022]       [0.022]       [0.024]       <	Tents Trighest Tears of Genoor								
[0.0002192]       [0.0002434]       [0.0002052]       [0.0002227]       [0.0005107]       [0.0002094]         migrant Status (Not an Immigrant)         First Generation       0.013       0.126***       0.012       0.119***       0.009       0.114***         [0.034]       [0.038]       [0.034]       [0.038]       [0.038]       [0.037]         Second Generation       -0.010       0.120***       -0.006       0.120***       -0.003       0.114***         [0.021]       [0.023]       [0.021]       [0.022]       [0.022]       [0.022]         Unknown/Don't Know       -0.059       -0.025       -0.047       -0.040       -0.047       -0.047		[0.003]	[0.004]	[0.000]	[0.004]			[0.004]	[0.004]
[0.0002192]       [0.0002434]       [0.0002052]       [0.0002227]       [0.0005107]       [0.0002094]         migrant Status (Not an Immigrant)         First Generation       0.013       0.126***       0.012       0.119***       0.009       0.114***         [0.034]       [0.038]       [0.038]       [0.038]       [0.038]       [0.037]         Second Generation       -0.010       0.120***       -0.006       0.120***       -0.003       0.114***         [0.021]       [0.023]       [0.021]       [0.022]       [0.022]       [0.022]         Unknown/Don't Know       -0.059       -0.025       -0.047       -0.040       -0.047       -0.047	mily Income (\$1000s)	-0 0000482	0 0006744***	-0 0000191	0 0005762***			-0 0000058	0 0001991**
First Generation         0.013         0.126***         0.012         0.119***         0.009         0.114***           [0.034]         [0.038]         [0.034]         [0.038]         [0.038]         [0.037]           Second Generation         -0.010         0.120***         -0.006         0.120***         -0.003         0.114***           [0.021]         [0.023]         [0.021]         [0.022]         [0.022]         [0.022]           Unknown/Don't Know         -0.059         -0.025         -0.047         -0.040         -0.047         -0.047	<b>y</b>								[0.0002098]
First Generation         0.013         0.126***         0.012         0.119***         0.009         0.114***           [0.034]         [0.038]         [0.034]         [0.038]         [0.038]         [0.037]           Second Generation         -0.010         0.120***         -0.006         0.120***         -0.003         0.114***           [0.021]         [0.023]         [0.021]         [0.022]         [0.022]         [0.022]           Unknown/Don't Know         -0.059         -0.025         -0.047         -0.040         -0.047         -0.047	migrant Status (Not an Immigrant)								
[0.034]         [0.038]         [0.034]         [0.038]         [0.037]           Second Generation         -0.010         0.120***         -0.006         0.120***         -0.003         0.114***           [0.021]         [0.023]         [0.021]         [0.022]         [0.022]         [0.022]           Unknown/Don't Know         -0.059         -0.025         -0.047         -0.040         -0.047         -0.047		0.013	0 126***	0.012	0 119***			0 009	0 114***
Second Generation         -0.010         0.120***         -0.006         0.120***         -0.003         0.114***           [0.021]         [0.023]         [0.021]         [0.022]         [0.022]         [0.022]         [0.022]           Unknown/Don't Know         -0.059         -0.025         -0.047         -0.040         -0.047         -0.047									
[0.021]         [0.023]         [0.021]         [0.022]         [0.022]         [0.022]           Unknown/Don't Know         -0.059         -0.025         -0.047         -0.040         -0.047         -0.047	Second Conception								
unknown/Joon't Know -0.059 -0.025 -0.047 -0.040 -0.047 -0.047	Second Generation								
נט.ט⇒4ן נע.ט⇒2ן נע.ט⇒3ן נע.טש3ן נע.טש	JINKNOWN/DON'T KNOW								
		[0.054]	[0.062]	[0.055]	[0.063]			[0.055]	[0.063]

## Table 8b: CULTACTV Index Components (PISA), Males

	Basic	Model	In	ndex	Sepa	arately	Jo	intly
	College	University	College	University	College	University	College	University
Activities related to "classical" culture			-0.014* [0.008]	0.075*** [0.008]				
How often do you go (Never)			[0.006]	[0.008]				
to a Museum or Art Gallery?								
Once or twice a year					-0.012	0.102***	-0.003	0.072***
Once of twice a year					[0.016]	[0.015]	[0.016]	[0.016]
Three or four times a year					-0.017	0.155***	0.010	0.081**
					[0.033]	[0.033]	[0.035]	[0.033]
Five or more times a year					-0.042	0.132***	-0.031	0.065
· · · · · · · · · · · · · · · · · · ·					[0.044]	[0.041]	[0.046]	[0.043]
to an Opera, Ballet or Classical Symphony Concert?								
Once or twice a year					-0.039*	0.155***	-0.027	0.111***
					[0.022]	[0.023]	[0.023]	[0.023]
Three or four times a year					-0.027	0.144**	-0.004	0.085
					[0.068]	[0.061]	[0.071]	[0.062]
Five or more times a year					0.056	0.042	0.082	0.017
					[0.080]	[0.074]	[0.085]	[0.075]
to Live Theatre?								
Once or twice a year					-0.022	0.096***	-0.017	0.056***
					[0.016]	[0.016]	[0.016]	[0.016]
Three or four times a year					-0.061**	0.164***	-0.051*	0.109***
					[0.029]	[0.032]	[0.030]	[0.032]
Five or more times a year					-0.012	0.073*	-0.020	0.016
					[0.042]	[0.040]	[0.043]	[0.039]
Observations	8,	120	8	,015			7,	943

### Table 8b: CULTACTV Index Components (PISA), Males, continued

Standard errors in brackets. Average marginal effects shown. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

	Basic Model		Index		Separately		Jointly	
	College	University	College	University	College	University	College	University
S Location - Urban (Rural)	-0.047***	0.053***	-0.045***	0.047**			-0.046***	0.048***
	[0.017]	[0.018]	[0.017]	[0.018]			[0.017]	[0.018]
S Province (Ontario)								
Newfoundland and Labrador	-0.140***	0.142***	-0.131***	0.130***			-0.129***	0.125***
	[0.026]	[0.029]	[0.027]	[0.029]			[0.027]	[0.029]
Prince Edward Island	-0.183***	0.191***	-0.190***	0.203***			-0.189***	0.203***
	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Nova Scotia	-0.184***	0.187***	-0.184***	0.189***			-0.185***	0.191***
	[0.023]	[0.025]	[0.023]	[0.025]			[0.023]	[0.025]
New Brunswick	-0.168***	0.151***	-0.170***	0.154***			-0.171***	0.155***
	[0.024]	[0.026]	[0.024]	[0.025]			[0.023]	[0.025]
Québec	0.012	-0.056**	0.003	-0.037			0.004	-0.040
	[0.024]	[0.027]	[0.024]	[0.027]			[0.024]	[0.027]
Manitoba	-0.161***	0.090***	-0.164***	0.100***			-0.164***	0.098***
	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Saskatchewan	-0.141***	0.077***	-0.143***	0.085***			-0.144***	0.087***
	[0.024]	[0.027]	[0.024]	[0.027]			[0.024]	[0.027]
Alberta	-0.073***	-0.049*	-0.070***	-0.056**			-0.071***	-0.055**
	[0.025]	[0.026]	[0.025]	[0.026]			[0.025]	[0.026]
British Columbia	-0.094***	-0.008	-0.100***	-0.003			-0.102***	-0.001
	[0.024]	[0.026]	[0.025]	[0.026]			[0.024]	[0.026]
S Language								
French outside Québec	0.003	0.023	-0.005	0.043			-0.004	0.040
	[0.034]	[0.035]	[0.033]	[0.035]			[0.033]	[0.035]
English in Québec	0.012	0.060	0.017	0.047			0.018	0.046
	[0.043]	[0.055]	[0.043]	[0.055]			[0.043]	[0.055]
mily Structure (Two Parents)								
Mother Only	0.025	-0.037	0.024	-0.040			0.026	-0.040
	[0.024]	[0.028]	[0.024]	[0.029]			[0.024]	[0.029]
Father Only	0.093*	-0.102*	0.068	-0.076			0.069	-0.074
	[0.052]	[0.057]	[0.047]	[0.056]			[0.047]	[0.056]
Other	0.030	-0.060	0.024	-0.050			0.024	-0.059
	[0.079]	[0.087]	[0.079]	[0.085]			[0.079]	[0.084]
arents' Highest Years of School	-0.004	0.064***	-0.002	0.058***			-0.002	0.056***
	[0.003]	[0.004]	[0.003]	[0.005]			[0.004]	[0.005]
mily Income (\$1000s)	0.0000448	0.0020179***	0.0001117	0.0019411***			0.0001217	0.0019346***
• • •	[0.0003357]	[0.0004880]	[0.0003413]	[0.0004983]			[0.0003440]	[0.0005033]
migrant Status (Not an Immigrant)								
First Generation	-0.078**	0.186***	-0.080**	0.190***			-0.080**	0.188***
	[0.035]	[0.038]	[0.035]	[0.038]			[0.035]	[0.038]
Second Generation	-0.047**	0.130***	-0.041*	0.121***			-0.043*	0.121***
	[0.022]	[0.025]	[0.023]	[0.026]			[0.023]	[0.026]
Unknown/Don't Know	0.052	-0.056	0.055	-0.061			0.057	-0.057
	[0.061]	[0.066]	[0.061]	[0.064]			[0.061]	[0.064]

# Table 9a: CULTPOSS Index Components (PISA), Females

	Basic	: Model	In	ldex	Sepa	rately	Jo	intly
	College	University	College	University	College	University	College	University
"Classical" culture in the family home			-0.012 [0.008]	0.054*** [0.008]				
Classical Literature					-0.042***	0.107***	-0.030*	0.095***
Books of Poetry					[0.016] -0.039**	[0.017] 0.061***	[0.018] -0.025	[0.019] 0.016
Works of Art					[0.015] -0.022 [0.017]	[0.016] 0.052*** [0.018]	[0.017] -0.010 [0.017]	[0.019] 0.028 [0.018]
Observations	8	518	8	,365	[0.017]	[0.010]		344

### Table 9a: CULTPOSS Index Components (PISA), Females, continued

Standard errors in brackets. Average marginal effects shown. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

	College	University	College	L Indiana and the	0 11			
	g-	University	College	University	College	University	College	University
IS Location - Urban (Rural)	-0.023	0.078***	-0.019	0.073***			-0.018	0.072***
	[0.017]	[0.016]	[0.017]	[0.017]			[0.017]	[0.017]
IS Province (Ontario)								
Newfoundland and Labrador	-0.087***	0.118***	-0.082***	0.112***			-0.081***	0.107***
	[0.028]	[0.029]	[0.028]	[0.029]			[0.029]	[0.029]
Prince Edward Island	-0.189***	0.216***	-0.191***	0.226***			-0.195***	0.229***
	[0.025]	[0.028]	[0.025]	[0.028]			[0.025]	[0.028]
Nova Scotia	-0.155***	0.162***	-0.156***	0.165***			-0.158***	0.165***
	[0.024]	[0.026]	[0.024]	[0.026]			[0.025]	[0.026]
New Brunswick	-0.169***	0.145***	-0.168***	0.149***			-0.168***	0.147***
	[0.023]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Québec	0.020	-0.077***	0.015	-0.060***			0.020	-0.066***
	[0.025]	[0.020]	[0.026]	[0.021]			[0.026]	[0.021]
Manitoba	-0.216***	0.112***	-0.215***	0.119***			-0.215***	0.122***
hantoba	[0.022]	[0.027]	[0.023]	[0.027]			[0.023]	[0.027]
Saskatchewan	-0.190***	0.108***	-0.191***	0.113***			-0.193***	0.117***
Gaskatenewan	[0.022]	[0.025]	[0.022]	[0.026]			[0.022]	[0.026]
Alberta	-0.119***	0.003	-0.122***	0.004			-0.125***	0.005
Alberta	[0.023]	[0.022]	[0.023]	[0.022]			[0.023]	[0.022]
Delite Ocharable	-0.106***	0.019	-0.108***	0.015			-0.110***	0.016
British Columbia								
	[0.024]	[0.024]	[0.024]	[0.024]			[0.024]	[0.024]
IS Language								
French outside Québec	0.043	0.005	0.034	0.022			0.034	0.020
	[0.034]	[0.035]	[0.033]	[0.037]			[0.034]	[0.037]
English in Québec	0.047	0.041	0.055	0.020			0.052	0.029
	[0.037]	[0.041]	[0.038]	[0.041]			[0.038]	[0.042]
Family Structure (Two Parents)								
Mother Only	-0.018	-0.047*	-0.021	-0.048*			-0.018	-0.049*
	[0.024]	[0.026]	[0.025]	[0.026]			[0.025]	[0.026]
Father Only	0.030	-0.090**	0.018	-0.081*			0.019	-0.080*
	[0.051]	[0.045]	[0.050]	[0.045]			[0.051]	[0.046]
Other	0.011	0.000	0.012	0.019			0.014	0.016
Other	[0.085]	[0.100]	[0.086]	[0.099]			[0.088]	[0.100]
	[0.000]	[0.100]	[0.000]	[0:000]			[0.000]	[0.100]
Parents' Highest Years of School	-0.008**	0.064***	-0.006*	0.057***			-0.006*	0.056***
arents ringilest rears of School	[0.003]	[0.004]	[0.004]	[0.004]			[0.004]	[0.004]
	[0.000]	[0.004]	[0.004]	[0.004]			[0.004]	[0.004]
amily Income (\$1000s)	-0 0000482	0.0006744***	0 0000029	0.0005939**			0.0000169	0.0006067*
,,,,,,	[0.0002192]	[0.0002434]		[0.0002356]			[0.0002163]	[0.0002376
mmigrant Status (Not an Immigrant)								
First Generation	0.013	0.126***	0.001	0.126***			0.003	0.125***
	[0.034]	[0.038]	[0.034]	[0.038]			[0.035]	[0.038]
Second Generation	-0.010	0.120***	-0.003	0.116***			0.001	0.118***
Second Generation	[0.021]	[0.023]	-0.003	[0.023]			[0.022]	[0.023]
	-0.059	-0.025	-0.075	-0.036			-0.075	-0.035
Unknown/Don't Know							-0.075	-0.0.15
Unknown/Don't Know	[0.054]	[0.062]	[0.053]	[0.059]			[0.053]	[0.059]

## Table 9b: CULTPOSS Index Components (PISA), Males

	Basic	: Model	In	dex	Sepa	arately	Jo	intly
	College	University	College	University	College	University	College	University
"Classical" culture in the family home			-0.012 [0.008]	0.057*** [0.007]				
Classical Literature					-0.033**	0.115***	-0.036*	0.090***
Books of Poetry					[0.016] -0.009	[0.016] 0.082***	[0.018] 0.013	[0.019] 0.026
Works of Art					[0.016] -0.021	[0.015] 0.070***	[0.019] -0.014	[0.018] 0.038**
					[0.016]	[0.016]	[0.017]	[0.017]
Observations	8,	120 7,898				7.	858	

### Table 9b: CULTPOSS Index Components (PISA), Males, continued

Standard errors in brackets. Average marginal effects shown. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

	Table 10a: JOYREAD Index Components (PISA), Females							
	Basic	Model	In	dex	Sepa	arately	Jo	intly
	Collage	University	Collage	University	Collage	University	Collage	University
S Location - Urban (Rural)	-0.047***	0.053***	-0.047***	0.055***			-0.047***	0.054***
	[0.017]	[0.018]	[0.017]	[0.018]			[0.016]	[0.018]
S Province (Ontario)								
Newfoundland and Labrador	-0.140***	0.142***	-0.137***	0.141***			-0.134***	0.138***
	[0.026]	[0.029]	[0.026]	[0.029]			[0.026]	[0.029]
Prince Edward Island	-0.183***	0.191***	-0.183***	0.191***			-0.181***	0.183***
	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Nova Scotia	-0.184***	0.187***	-0.182***	0.181***			-0.182***	0.186***
	[0.023]	[0.025]	[0.023]	[0.025]			[0.023]	[0.025]
New Brunswick	-0.168***	0.151***	-0.165***	0.146***			-0.162***	0.150***
Brandwick	[0.024]	[0.026]	[0.023]	[0.025]			[0.023]	[0.025]
Québec	0.012	-0.056**	0.017	-0.066**			0.014	-0.057**
Knaner		[0.027]						
M	[0.024] -0.161***		[0.024] -0.159***	[0.026]			[0.024]	[0.027]
Manitoba		0.090***		0.088***			-0.153***	0.084***
	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.027]
Saskatchewan	-0.141***	0.077***	-0.142***	0.084***			-0.140***	0.084***
	[0.024]	[0.027]	[0.024]	[0.026]			[0.024]	[0.026]
Alberta	-0.073***	-0.049*	-0.074***	-0.049*			-0.067***	-0.048*
	[0.025]	[0.026]	[0.025]	[0.026]			[0.024]	[0.026]
Iritish Columbia	-0.094***	-0.008	-0.095***	-0.008			-0.091***	-0.003
	[0.024]	[0.026]	[0.024]	[0.026]			[0.024]	[0.026]
Language								
rench outside Québec	0.003	0.023	0.000	0.026			-0.003	0.024
	[0.034]	[0.035]	[0.033]	[0.035]			[0.033]	[0.034]
nalish in Québec	0.012	0.060	0.002	0.075			0.007	0.069
	[0.043]	[0.055]	[0.042]	[0.052]			[0.041]	[0.054]
nily Structure (Two Parents)								
• • •	0.025	-0.037	0.025	-0.036			0.029	-0.040
Mother Only	[0.024]	[0.028]	[0.023]	[0.028]			[0.023]	[0.028]
Father Only	0.093*	-0.102*	0.097*	-0.108*			0.082*	-0.082
	[0.052]	[0.057]	[0.053]	[0.062]			[0.047]	[0.057]
Other	0.030	-0.060	0.029	-0.054			0.034	-0.054
	[0.079]	[0.087]	[0.078]	[0.083]			[0.074]	[0.084]
	0.004	0.064***	0.004	0.060***			0.004	0.050***
rents' Highest Years of School	-0.004	0.064***	-0.004	0.060***			-0.004	0.059***
	[0.003]	[0.004]	[0.003]	[0.004]			[0.003]	[0.004]
mily Income (\$1000s)	0.0000448	0.0020179***	0 0000222	0.0019871***			-0.0000101	0.0018650*
	[0.0003357]	[0.0004880]	[0.0003304]	[0.0004872]			[0.0003227]	[0.0004840
migrant Status (Not an Immigrant)	0.079**	0 196***	0.077**	0 100***			0.090***	0 102***
First Generation	-0.078**	0.186***	-0.077**	0.180***			-0.089***	0.182***
	[0.035]	[0.038]	[0.034]	[0.038]			[0.033]	[0.036]
Second Generation	-0.047**	0.130***	-0.044**	0.122***			-0.042*	0.118***
	[0.022]	[0.025]	[0.022]	[0.025]			[0.022]	[0.025]
Unknown/Don't Know	0.052	-0.056	0.048	-0.045			0.052	-0.028
	[0.061]	[0.066]	[0.060]	[0.063]			[0.059]	[0.065]

### Table 10a: JOYREAD Index Components (PISA), Females

	Table 10a: JC Basic	Model		idex		rately	Jo	intly
	Collage	University	Collage	University	Collage	University	Collage	University
Engagement in Reading			-0.005 [0.007]	0.087*** [0.007]				
I read only if I have to. (Agree) Strongly Disagree					-0.050**	0.121***	0.027	-0.063*
Disagree					[0.021] -0.022 [0.021]	[0.023] 0.039*	[0.032] 0.027 [0.026]	[0.036] -0.082*** [0.029]
Strongly Agree					0.033 [0.035]	[0.023] -0.094*** [0.033]	0.053 [0.042]	0.001 [0.041]
Reading is one of my favorite hobbies. (Agree) Strongly Disagree					0.070***	-0.163***	0.016	0.003
Disagree					[0.022] 0.040**	[0.022] -0.062***	[0.031] 0.014	[0.034] 0.011
Strongly Agree					[0.018] 0.011	[0.020] 0.025	[0.022] 0.038	[0.024] -0.033
					[0.022]	[0.024]	[0.027]	[0.030]
I like talking about books with other people. (Agree) Strongly Disagree					0.063***	-0.178***	0.027	-0.079***
Disagree					[0.021] 0.025	[0.022] -0.092***	[0.026] 0.009	[0.029] -0.057***
Strongly Agree					[0.017] -0.017	[0.019] 0.020	[0.019] -0.016	[0.021] -0.002
					[0.028]	[0.030]	[0.031]	[0.033]
I find it hard to finish books. (Agree) Strongly Disagree					-0.048**	0.157***	-0.021	0.075**
					[0.020]	[0.022]	[0.026]	[0.029]
Disagree					-0.031 [0.020]	0.117*** [0.022]	-0.013 [0.022]	0.063** [0.024]
Strongly Agree					0.015 [0.036]	-0.044 [0.035]	0.015 [0.038]	0.009 [0.038]
I feel happy if I receive a book as a present. (Agree)					0.074***	-0.179***	0.045	-0.064*
Strongly Disagree					[0.023]	[0.023]	[0.030]	[0.034]
Disagree					0.034* [0.018]	-0.075*** [0.019]	0.007 [0.020]	-0.013 [0.023]
Strongly Agree					-0.017 [0.022]	0.068*** [0.026]	0.006 [0.028]	0.031 [0.034]
For me, reading is a waste of time. (Agree)					0.000***	0.404***	0.010	0.004
Strongly Disagree					-0.068*** [0.025]	0.181*** [0.028]	0.010 [0.034]	0.021 [0.040]
Disagree					-0.029 [0.027]	0.099*** [0.029]	0.015 [0.030]	0.011 [0.033]
Strongly Agree					-0.040	-0.056	-0.057	-0.025
					[0.040]	[0.038]	[0.045]	[0.045]
I enjoiy going to a bookstore or a library. (Agree) Strongly Disagree					0.056**	-0.162***	0.011	-0.024
Disagree					[0.025] 0.026	[0.025] -0.066***	[0.029] -0.001	[0.033] -0.005
					[0.018]	[0.019]	[0.020]	[0.021]
Strongly Agree					-0.045** [0.019]	0.065*** [0.022]	-0.045** [0.023]	0.032 [0.026]
I really only to get information that I need. (Agree) Strongly Disagree					-0.084***	0.139***	-0.055*	0.020
					[0.021]	[0.023]	[0.030]	[0.032]
Disagree					-0.073*** [0.018]	0.117*** [0.020]	-0.058** [0.024]	0.050* [0.027]
Strongly Agree					-0.056* [0.032]	-0.052 [0.032]	-0.064* [0.035]	0.001 [0.037]
I cannot sit still and read for more than a few minute	s. (Agree)							
Strongly Disagree					-0.072*** [0.024]	0.191*** [0.027]	-0.016 [0.029]	0.091*** [0.034]
Disagree					-0.045*	0.123***	-0.017	0.071**
Strongly Agree					[0.025] -0.057	[0.027] -0.035	[0.027] -0.065*	[0.030] -0.002
					[0.036]	[0.036]	[0.038]	[0.039]
Observations	8,	518	8	,490			8,	387

## Table 10a: JOYREAD Index Components (PISA), Females, continued

Standard errors in brackets. Average marginal effects shown. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars.

	Basic	Model	In	dex	Sepa	arately	Jo	intly
	Collage	University	Collage	University	Collage	University	Collage	University
Location - Urban (Rural)	-0.023	0.078***	-0.024	0.079***			-0.022	0.076***
	[0.017]	[0.016]	[0.017]	[0.016]			[0.017]	[0.016]
Province (Ontario)								
Newfoundland and Labrador	-0.087***	0.118***	-0.094***	0.133***			-0.092***	0.133***
	[0.028]	[0.029]	[0.027]	[0.029]			[0.027]	[0.029]
Prince Edward Island	-0.189***	0.216***	-0.193***	0.225***			-0.189***	0.223***
	[0.025]	[0.028]	[0.025]	[0.027]			[0.025]	[0.027]
Nova Scotia	-0.155***	0.162***	-0.158***	0.168***			-0.161***	0.173***
	[0.024]	[0.026]	[0.024]	[0.025]			[0.024]	[0.025]
New Brunswick	-0.169***	0.145***	-0.165***	0.142***			-0.168***	0.149***
	[0.023]	[0.026]	[0.023]	[0.026]			[0.023]	[0.026]
0	0.020	-0.077***	0.023	-0.062***			0.007	-0.050**
Québec								
	[0.025]	[0.020]	[0.026]	[0.020]			[0.026]	[0.021]
Manitoba	-0.216***	0.112***	-0.219***	0.123***			-0.221***	0.128***
	[0.022]	[0.027]	[0.022]	[0.026]			[0.022]	[0.026]
Saskatchewan	-0.190***	0.108***	-0.194***	0.125***			-0.194***	0.124***
	[0.022]	[0.025]	[0.022]	[0.025]			[0.022]	[0.025]
Iberta	-0.119***	0.003	-0.117***	0.002			-0.116***	0.000
	[0.023]	[0.022]	[0.023]	[0.022]			[0.023]	[0.022]
ritish Columbia	-0.106***	0.019	-0.105***	0.017			-0.105***	0.017
	[0.024]	[0.024]	[0.024]	[0.023]			[0.024]	[0.023]
Language								
rench outside Québec	0.043	0.005	0.037	0.023			0.034	0.031
anch odtside guebec	[0.034]	[0.035]	[0.034]	[0.037]				
							[0.033]	[0.040]
English in Québec	0.047	0.041	0.054	0.023			0.053	0.016
	[0.037]	[0.041]	[0.037]	[0.042]			[0.037]	[0.040]
nily Structure (Two Parents)								
Nother Only	-0.018	-0.047*	-0.019	-0.050**			-0.003	-0.048**
	[0.024]	[0.026]	[0.024]	[0.024]			[0.024]	[0.024]
ather Only	0.030	-0.090**	0.020	-0.081*			0.031	-0.085**
	[0.051]	[0.045]	[0.048]	[0.043]			[0.049]	[0.042]
Other	0.011	0.000	0.004	-0.010			-0.036	0.022
	[0.085]	[0.100]	[0.084]	[0.092]			[0.079]	[0.094]
rents' Highest Years of School	-0.008**	0.064***	-0.007**	0.058***			-0.008**	0.057***
	[0.003]	[0.004]	[0.003]	[0.004]			[0.003]	[0.004]
	0.0000.000	0.0000744***	0 0000-0-	0.00004.04***			0 0000 · · -	
nily Income (\$1000s)		0.0006744***		0.0006184***				0.0006017*
	[0.0002192]	[0.0002434]	[0.0001888]	[0.0002118]			[0.0001799]	[0.0002091
higrant Status (Not an Immigrant)								
First Generation	0.013	0.126***	0.020	0.118***			0.011	0.113***
	[0.034]	[0.038]	[0.034]	[0.037]			[0.033]	[0.036]
Second Generation	-0.010	0.120***	-0.010	0.117***			-0.004	0.111***
	[0.021]	[0.023]	[0.021]	[0.022]			[0.021]	[0.022]
Unknown/Don't Know	-0.059	-0.025	-0.065	-0.010			-0.052	-0.018
	[0.054]	[0.062]	[0.054]	[0.060]			[0.055]	[0.062]

		OYREAD Ind		ents (PISA), dex		nued	Jointly	
					-	-		
	Collage	University	Collage	University	Collage	University	Collage	University
Engagement in Reading			-0.023*** [0.007]	0.091*** [0.007]				
I read only if I have to. (Agree)								
Strongly Disagree					-0.035* [0.021]	0.127*** [0.022]	0.017 [0.032]	-0.015 [0.030]
Disagree					-0.024	0.109***	0.016	0.011
<b>a</b>					[0.019]	[0.019]	[0.021]	[0.022]
Strongly Agree					0.019 [0.023]	-0.054*** [0.020]	0.010 [0.026]	0.040* [0.024]
Reading is one of my favorite hobbies. (Agree)								
Strongly Disagree					0.037*	-0.163***	-0.061*	0.023
					[0.022]	[0.020]	[0.032]	[0.028]
Disagree					0.013 [0.021]	-0.052** [0.021]	-0.041* [0.024]	0.014 [0.024]
Strongly Agree					0.037	0.008	0.065	-0.021
					[0.034]	[0.036]	[0.040]	[0.041]
I like talking about books with other people. (Agree)								
Strongly Disagree					0.052** [0.021]	-0.175*** [0.019]	0.019 [0.027]	-0.051** [0.024]
Disagree					0.039*	-0.069***	0.028	-0.033
					[0.020]	[0.020]	[0.021]	[0.021]
Strongly Agree					0.008 [0.040]	0.052 [0.042]	-0.018 [0.042]	0.066 [0.044]
					[0.040]	[0.042]	[0.042]	[0.044]
I find it hard to finish books. (Agree)					0.047**	0.141***	0.015	0.074***
Strongly Disagree					-0.047** [0.020]	[0.021]	-0.015 [0.023]	0.074*** [0.024]
Disagree					-0.023	0.099***	-0.006	0.031
					[0.019]	[0.019]	[0.020]	[0.020]
Strongly Agree					0.011 [0.027]	-0.058** [0.023]	0.016 [0.029]	0.012 [0.026]
					[0.027]	[0.023]	[0.029]	[0.020]
I feel happy if I receive a book as a present. (Agree)					0.047**	0.470***	0.040	0.000
Strongly Disagree					0.047** [0.019]	-0.176*** [0.017]	0.013 [0.026]	-0.023 [0.025]
Disagree					0.007	-0.060***	-0.022	0.007
					[0.017]	[0.018]	[0.019]	[0.020]
Strongly Agree					0.004 [0.035]	-0.011 [0.037]	0.022 [0.039]	-0.045 [0.042]
							[]	
For me, reading is a waste of time. (Agree)					-0.087***	0.146***	-0.032	0.003
Strongly Disagree					[0.022]	[0.023]	[0.029]	[0.030]
Disagree					-0.058***	0.118***	-0.029	0.044*
<b>a</b>					[0.021] -0.046*	[0.021] -0.087***	[0.023] -0.061**	[0.024] -0.059**
Strongly Agree					-0.046 [0.026]	[0.020]	[0.030]	[0.024]
Lanishy going to a haskatory and Ukaray (A.								
I enjoiy going to a bookstore or a library. (Agree) Strongly Disagree					0.070***	-0.189***	0.043	-0.055**
					[0.020]	[0.018]	[0.026]	[0.025]
Disagree					0.041**	-0.070***	0.019	-0.018
Strongly Agree					[0.018] 0.017	[0.018] 0.025	[0.020] 0.017	[0.020] 0.023
3.7.0					[0.027]	[0.029]	[0.030]	[0.031]
I really only to get information that I need. (Agree)								
Strongly Disagree					-0.090***	0.125***	-0.095***	0.030
					[0.022]	[0.024]	[0.027]	[0.028]
Disagree					-0.056*** [0.017]	0.145*** [0.018]	-0.049** [0.021]	0.066*** [0.021]
Strongly Agree					0.047**	-0.058***	0.056**	-0.025
					[0.023]	[0.019]	[0.025]	[0.021]
I cannot sit still and read for more than a few minutes	. (Agree)							
Strongly Disagree					-0.076***	0.177***	-0.038	0.087***
-					[0.021]	[0.022]	[0.025]	[0.027]
Disagree					-0.025 [0.021]	0.093*** [0.021]	-0.006 [0.023]	0.026 [0.023]
Strongly Agree					-0.037	-0.066***	-0.055*	-0.021
					[0.027]	[0.022]	[0.029]	[0.025]
Observations	R	120	R	,080			7	936
	0,	-	0				1,	•

### Table 10b: JOYREAD Index Components (PISA), Males, continued

Standard errors in brackets. Average marginal effects shown. Parent's education is measured in years since Kindergarten. Family income is measured in thousands of dollars.

#### Appendix

Table A1: Composition of PISA Indices

Index	PISA Code	Components of Index	Valid Responses
Cultural communication with	CULTCOM	In general, how often do your parents:	
parents		discuss politics or social issues with you?	Never or hardly ever; a few times a year
		discuss films, books or television programmes with you?	about once a month; several times a
		listen to classical music with you?	month; several times a week
Social communication with	SOCCOM	In general, how often do your parents:	
parents		discuss how well you are doing at school?	Never or hardly ever; a few times a year
		eat dinner with you around a table?	about once a month; several times a
		spend time just talking to you?	month; several times a week
Family educational support	FAMEDSUP	How often do the folowing people work with you on your schoolwork?	
		Your mother	
		Your father	Never or hardly ever; a few times a yea
		Your brothers and sisters	about once a month; several times a
		Your grandparents	month; several times a week
		Other relations	
		Friends of your parents	
Family wealth	WEALTH	In your home, do you have:	
		a dishwasher?	
		a room of your own?	Yes/No
		educational software?	163/10
		a link to the internet?	
		How many of the following do you have at your home?	
		Cellular phone.	
		Television.	
		Computer.	None; One; Two; Three or more
		Motor car.	
		Bathroom.	
Home educational resources	HEDRES	In your home, do you have:	
		a dictionary?	
		a quiet place to study?	Vec/Ne
		a desk for study?	Yes/No
		textbooks?	
		How many of the following do you have at your home?	
		Calculators.	None, One, Two, Three or more
Activities related to "classical" culture	CULTACT	During the past year, how often have you participated in these activities?	
		Visited a museum or art gallery.	Never or hardly ever; one or twice a yea
		Attended an opera, ballet, or classical symphony concert.	abour three or four times a year; more
		Watched live theatre.	than four times a year
Possessions related to "classical" culture in the family home	CULTPOSS	In your home, do you have:	
		classical literature (e.g., Shakespeare)?	
		books of poetry?	Yes/No
		works of art (e.g., paintings)?	
Engagement in reading	JOYREAD	How much do you disagree or agree with the following statements about reading?	
		I read only if I have to.	
		Reading is one of my favourite hobbies.	
		I like talking about books with other people.	
		I find it hard to finish books.	Strongly disagree, disagree, agree,
		I feel happy if I receive a book as a present.	strongly agree
		For me, reading is a waste of time.	strongly agree
		I enjoy going to a bookstore or a library.	
		I read only to get the information I need.	
		I cannot sit still and read for more than a few minutes.	
Reading diversity	DIVREAD	How often do you read these materials because you want to?	
		Magazines.	
		Comic books.	Never or hardly ever; a few times a yea
		Fictions (novels, narratives, stories).	about once a month; several times a
		Non-fiction books.	month; several times a week
		Emails and web pages.	
		Newspapers.	

Source: Manual for the PISA 2000 Database.