

Data Read Me File

Ability, Parental Valuation of Education and the High School Dropout Decision

Kelly Foley, Giovanni Gallipoli, and David A. Green

Published: *Journal of Human Resources*, 2014: Vol 49, No 4: 906-944

Available as a working paper with supplementary tables and figures at:

<https://sites.google.com/site/gallipoligiovanni/>

or

<http://www.kellyfoley.org/>

The data used in this paper come from the Youth in Transition Survey. This data can be accessed through one of Statistics Canada's Research Data Centres. Further information about the Research Data Centres can be found at: <http://www.rdc-cdr.ca/data>. To apply for access to the data, instructions and forms are available here: <http://www.statcan.gc.ca/rdc-cdr/process-eng.htm>

1. Creating the main data sets.

Program: File for All Vars 3 Cycles 28MAY07.sas

Extracts and merges the raw data files and creates a number of analysis variables.

Saves an CVS file for importation into Stata

Program: Create Stata data.do

Reads in CVS file, assigns labels and generates some analysis variables. Saves a Stata data set used in the subsequent Stata do files

Program: Create Guass Data set.do

Uses previous Stata data set and generates variables used in Factor models and deletes missing cases. Saves an ASCII data set that is read into Gauss Factor model programs.

2. Reduced form programs.

Additional specifications of the reduced form appear in the working paper version and include analogous regressions run on a sample of girls.

Program: JHR TABLE ONE.do

Runs the Probits and marginal effects reported in the JHR Table 1

Program: WP Table F2.do

Runs the Probits and marginal effects reported in the working paper table Appendix F2

Program: WP Table F2.do

Runs the Probits and marginal effects reported in the working paper table Appendix F2

Program: WP Table F3.do

Runs the Probits and marginal effects reported in the working paper table Appendix F3

3. GAUSS programs for Factor Models

The programs for the factor models start with vectors of starting values. These values were deleted because they could not be released from the Statistics Canada Research Data Centers. However, a program “starting values.do” is included that would run the regressions which served as starting values for the factor models.

Program: JHR Factor Model-Table 2-Col 1-coef.txt

Estimates the coefficients that are reported in the first column of JHR Table 3 and the Factor loads that are reported in the first column of JHR Table 2.

Program: JHR Factor Model-Table 2-Col 1-marginals.txt

Estimates the marginal effects associated with the previous factor model and which are reported in Column 1 of Table 2.

Program: JHR Factor Model-Table 2-Col 2-coef.txt

Estimates the coefficients that are reported in the second column of JHR Table 3 and the Factor loads that are reported in the second column of JHR Table 2.

Program: JHR Factor Model-Table 2-Col 2-marginals.txt

Estimates the marginal effects associated with the previous factor model and which are reported in Column 2 of Table 2. This program also generates the predicted values that are reported in Table 4 and Figure 3.

Program: WP Col3 TableE1.txt

Estimates the factor model that is reported in the third column of the working paper Table E1

Program: WP Col4 TableE1.txt

Estimates the factor model that is reported in the fourth column of the working paper Table E1

4. JHR Appendix Tables

Program: JHR Table A1.do

Estimates the table of means reported in Appendix 1 of the JHR paper.

Program: JHR APP3 TABLE 1.do

Estimates the regressions reported in Table 1 of Appendix 3 of the JHR paper.

5. Programs to generate Figure 4 in JHR Paper

These programs also create an analogous figure with Science scores not reported.

Program: get predicted factors by bayes rule.txt

This is a GAUSS program that extracts the predicted factors according to equation 17 in the JHR paper.

Program: Make data for Robust Graphs.do

This program merges together predicted factors and the science and math scores which are on different data files than the main file used for the factor models and the reduced form.

Program: Create robustness correlations.do

Collapses the predicated factors and science and math scores into cell sizes that can be released from the Research Data Center.