How Responsive is Investment in Schooling to Changes in Redistributive Policies and in Returns?

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Instructions for data and replication package for the online appendix (Prepared by Elior Cohen, completed February 24, 2014) All the statistical work has been done using Stata 11 SE.

Documentation for Replication of Online Appendix

Folders and Files

The root folder has four subfolders:

1. **Data** – this folder contains the data files (.dta) that Stata reads. There is a data file named "appendix_data" which is used to replicate tables A1 and A2. The second data file is called "Kibbutzim" and it contains all the necessary data for replicating the paper's tables 1-4 and online appendix tables A3-A20. Tables A21-A23 can be replicated after getting permission from the National Insurance Institute (NII) in Israel to access in their protected lab the Post-Secondary data.

2. **Programs** – this folder contains the programs (.do files) that produce the tables that are on the online appendix.

3. **Results** – this folder contains the online appendix tables stored in MS-Excel format. It also contains a subfolder named "automatic" that will contain the output created by the programs automatically (before copying and pasting them to the tables in the results folder).

4. **Logs** – this folder will contain the log files of Stata. It also contains three log files for tables A21-A23 which were created in the NII and we don't have the data available for replication.

Data Structure

There is one student-level dataset that contains all the necessary data for replicating the online appendix tables A3-A20. The file name is kibbutzim.dta.

Variable labels reveal information on their meanings, as the context in the programs should. The true Kibbutz's and student's codes (IDs) were replaced by fictitious ones for privacy reasons. The second dataset is called appendix_data.dta. This is an individual-level dataset

that contains information on members' wages and schooling from two Kibbutzim. This file is used to replicate tables A1 and A2.

Determining the Samples

As discussed in the paper, treated Kibbutzim are those that reformed in 1998-2000 and the control Kibbutzim who reformed in 2003-2004. The variable "ref9800" is an indicator variable for the Kibbutzim who reformed in 1998-2000 and the variable "ref0304" is an indicator for the Kibbutzim who reformed in 2003-2004. The "before" and "after" periods are determined by the variable "year" – the year where the student entered 10th grade. The paper compares students who entered 10th grade in 1995-1996 ("Before" period) and students who entered 10th grade in 1999-2000 ("After" period). Most of the tables use the sample that contains the years 1995,1996,1999,2000 and Kibbutzim that have the value 1 for "ref9800" or "ref0304".

Recreating the Tables

All tables were created in Stata and reformatted to Excel. The following table describes each table and links it to the appropriate program file, found in the programs subfolder.

Table	Description	Program File	Notes
A1	Wage by Education of All Working Members in One Particular Kibbutz Pre and Post Reform	Table_A1.do	Need to use "appendix_data.dta" in order to replicate this table
A2	Post Reform Wage by Education of All Working Members in Two Kibbutzim	Table_A2.do	Need to use "appendix_data.dta" in order to replicate this table
A3	Distribution of Kibbutzim, Schools and Students by Year of Reform and by 10th Grade Cohorts	Table_A3.do	
A4	Balancing Test of Students' Characteristics in Treatment and Control Kibbutzim Controlling for all background characteristics in one regression	Table_A4.do	

A5	Balancing Tests of Students' Characteristics and Outcomes in Treatment and Control Kibbutzim Treatment Kibbutzim : Reformed fully in 1998-2000 Control Kibbutzim: Reformed 2003-04	Table_A5.do	
A6	Balancing Test of Students' Characteristics in Treatment and Control Kibbutzim Treatment Kibbutzim : Reformed fully in 1998-2000; Control Kibbutzim : Reformed 2003-04 Controlling for all background characteristics in one regression	Table_A6.do	
A7	Balancing Tests of Students' Characteristics and Outcomes in Treatment and Control Kibbutzim Treatment Kibbutzim : Reformed partially in 1998-2000; Control Kibbutzim : Reformed 2003-04	Table_A7.do	
A8	Balancing Test of Students' Characteristics in Treatment and Control Kibbutzim Treatment Kibbutzim : Reformed partially in 1998-2000; Control Kibbutzim : Reformed 2003-2004 Controlling for all background characteristics in one regression	Table_A8.do	

A9	Balancing Tests of Students' Characteristics and Outcomes in Fully- Versus Partially- Reformed Kibbutzim	Table_A9.do	
A10	Balancing Tests of Students' Characteristics in Fully- Versus Partially-Reformed Kibbutzim Controlling for all background characteristics in one regression	Table_A10.do	
A11	Balancing Tests of Characteristics of Students Who Faced Different Intensities of Reform	Table_A11.do	
A12	Balancing Tests of Students' Characteristics and Outcomes in Treatment and Control Kibbutzim Treatment Kibbutzim : Reformed in 1998-2000; Control Kibbutzim : Did Not Reform	Table_A12.do	
A13	Treatment-Control Differences in Pre-Reform Time Trends in Schooling Outcomes, 10th Grade Students in 1993-1998 Treatment Kibbutzim : Reformed in 1998-2000; Control Kibbutzim : Did Not Reform	Table_A13.do	
A14	Treatment-Control and Between-Cohort Differences in Students' Exit Rates From Their Kibbutzim Treatment Kibbutzim : Reformed in 1998-2000; Control Kibbutzim : No Reform	Table_A14.do	

A15	Treatment-Control and Between-Cohort Differences in Students' Exit Rates From Their Kibbutzim Treatment Kibbutzim : Reformed in 1998-2000; Control Kibbutzim : Reformed in 2001-02	Table_A15.do	
A16	Cross-Section Treatment-Control Differences	Table_A16.do	
A17	Estimated Coefficients on Four Social Reforms Dummies	Table_A17.do	
A17a	Cross-Section Treatment-Control Differences and Difference in Differences Estimates (Including Four Other Social Reforms as Controls)	Table_A17a.do	
A17b	Treatment-Control Difference-in-Differences Estimates Indicators for years in a reformed kibbutz during high school, allowing for anticipation effects	Table_A17b.do	
A18	Controlled Difference-in-Differences Estimates by Intensity of Exposure to Full or Partial Pay Reform Cohorts: 1995-2000; Kibbutzim : Reformed 1998-2004; Controlling for 4 Social Reforms	Table_A18.do	

A18a	Controlled Difference-in-Differences Estimates by Intensity of Exposure to Any Pay Reform Cohorts: 1995-2000; Kibbutzim : Reformed 1998-2004; Controlling for 4 Social Reforms	Table_A18a.do	
A19	Controlled Difference-in-Differences Estimates by Intensity of Exposure to Differential Pay, Sub-Samples by Parental Education	Table_A19.do	
A20	Controlled Difference-in-Differences Estimates by Intensity of Exposure to Differential Pay, Sub-Samples by Gender	Table_A20.do	
A21	Post-Secondary Enrollment and Years of Schooling in Treatment and Control Kibbutzim	Table_A21.do	This table can be replicated by getting permission from the NII to access in their protected lab the Post-Secondary data. The log file used to prepare this table is found at the logs folder and is called "Table_A21.txt"
A22	The Effect of the Pay Reform on Post -Secondary Schooling (Limited to Age 30)	Table_A22.do	This table can be replicated by getting permission from the NII to access in their protected lab the Post-Secondary data. The log file used to prepare this table is found at the logs folder and is called "Table_A22.txt"

A23	The Effect of the Pay Reform on Post -Secondary Schooling	Table_A23.do	This table can be replicated by getting permission from the NII to access in their protected lab the Post-Secondary data. The log file used to prepare this table is found at the logs folder and is called "Table_A23.txt"

Within the program file you will find satisfactory comments. When you run the files, make sure to change the **cd** line in every code you use. Set it to the root folder to which you extracted the files (the one under which programs, data, logs, and results folders exist).

Results

The Excel file "Online Appendix" which is located in the results subfolder contains the formatted tables.