Readme

This file explains the data and code files related to «Can Maternity Benefits Have Long-Term Effects on Childbearing? Evidence from Soviet Russia».

All the do files to run the analysis are referenced in the master.do file. The description of what every do-file does is in this master.do file. The Stata version the code will run on is 14.2. You need to change the global file paths at the top of that file to run. For this purpose, you need to create a folder on your computer for this analysis. Then, within that folder, create subfolders titled: «data», «datatemp», «dofile», and «output». Place all the original data files in the «data» folder. Place all the do-files in the «dofile» folder. The code saves all the data created using the original data files in the «datatemp» folder. The code saves all output that goes into the tables and figures into the «output» folder.

Listing of original data provided:

List of oblasts, codes for oblasts, and classification of an oblast into an early and late beneficiary: birthplace_codes.xlsx

2010 Census Data:

Counts of individuals by birth oblast, birth year and birth month and by educational categories: birthplace_year_month_educ_2010.xlsx

Counts of individuals by birth oblast, birth year, birth month, sex and employment status categories: birthplace_year_month_empl_sex_2010.xlsx

Counts of individuals by birth oblast, birth year, birth month and by marital status categories: birthplace_year_month_marstat_2010.xlsx

Counts of individuals by birth oblast, birth year, birth month and sex: birthplace_year_month_numbirth_sex_2010.xlsx

Counts of individuals by birth oblast, birth year, birth month and number of children: birthplace_year_month_numkids_correct_2010.xlsx

Counts of individuals by birth oblast, birth year, birth month and public assistance receipt: birthplace_year_month_posobie_0210.xlsx

Counts of individuals by birth oblast, birth year, birth month and age at first birth for women: birthplace_year_month_woman_age1stbir_2010.xlsx

Births Data:

Counts of individuals by birth oblast, birth year and birth month in the 2002 and the 2010 census: birthplace_year_month_numbirth_0210.xlsx (sources: 2002 and 2010 Russian censuses)

Number of births by oblast and year: rosstat_births_oblast_year.xlsx (source: Rosstat)

Number of births by oblast and year from 1990 to 1993: numbirth_oblast_90.xlsx (source: Rosstat)

Number of first births by oblast, birth year and birth month: birthplace_year1child_month1child.xlsx (source: 2010 Census)

Number of women data:

Number of men and women in rural and urban areas by age and oblast in 1989: women_age_census_1989.xlsx (source: 1989 Census)

Number of men and women in rural and urban areas by age and oblast in 1979: women_age_census_1979_edit.xlsx (source: 1979 Census)

Number of women by oblast and year from 1990 to 1993: numwomen_oblast_90.xlsx (source: Rosstat)

Covariates and Census Oblast Characteristics:

Average wage in an oblast in 1980: wage80.xlsx (source: «1994 Russian Statistical Yearbook»)

Total trade, concrete, bricks, meat, timber and canned foods by oblast and year: narhoz_stats.xlsx (source: «Narodnoe Hozyaystvo» yearbooks)

Number of individuals by oblast and educational level in 1979: educ1979_oblast.xlsx (source: 1979 Russian census)

Number of individuals enrolled in preschool in 1979 by oblast: preschool_79.xlsx (source: 1979 «Narodnoe Hozjajstvo» Yearbook).

Number of employed women in 1979 by oblast: employment_women79.xlsx (source: 1979 Russian census)

Table Creation using do-files:

To create tables, all the output from a regression is transferred to an excel file.

Table 1: The statistics for each row are displayed in the code output, and each row and statistic is labeled in the do-file. Please refer to the documentation in the do-file (alltables.do).

Tables 2 and 3: For the coefficients and standard errors, see rows titled: pre_treat, post1_treat, post2_treat, post3_treat

Table 2 column 3: For coefficients and standard errors, see rows titled: year0_tr_wage80, year1_tr_wage80, year2_tr_wage80, year3_tr_wage80

Table 5: For coefficients and standard errors, see rows titled: _ITexp_grou_2, _ITexp_grou_4, _ITexp_grou_5, _ITexp_grou_6.

Table 6: For coefficients and standard errors, see rows titled: year81_treat, year82_treat

Table B1: For coefficients and standard errors, see rows titled: _ITexXnumwo_2, _ITexXnumwo_4, _ITexXnumwo_5, _ITexXnumwo_6, and rows titled: _ITexXlths__2, _ITexXlths__4, _ITexXlths__5, _ITexXlths__6

Figure Creation using do-files:

To create figures, all the output from a regression is transferred to an excel file. All the figures were created in excel using the output files.

Figure 1: The data for the figure are in the stata data-file, created at the end of the analysis to create the figure. To create the figure, copy the stata data-set to excel, and create the figure.

Figure 2: For coefficients and standard errors, see consecutive rows titled: _IYeaXtre_1975 to _IYeaXtre_1986

Figure 3: For coefficients and standard errors, see consecutive rows titled: _ImntXloc_228 to _ImntXloc_287

Figure 4: For coefficients and standard errors, see consecutive rows titled: _ITexp1_2 to _ITexp1_18

Figure 5: For coefficients and standard errors, see consecutive rows titled: _ITexXnumw_2 to _ITexXnumw_18

Figure B3: the elasticities and confidence intervals are labeled in the do-file for the creation of this figure. These numbers were transferred to excel to create the figure in the paper.

Final data dictionary:

In the end, 3 main data-sets used in the analysis are created. Below are descriptions of variables available in these data-sets.

Data 1: rosstat_allvars.dta

variable name	storage type	display format	variable label
Birthplace_code	int	%10.0g	Unique numerical code for each oblast
Year	float	%9.0g	Year of observation
Birthplace	str36	%36s	Name of an oblast
numbir	long	%10.0g	Number of births
numwomen_1544	double	%9.0g	Number of women age 15 to 44
loc	byte	%10.0g	equals to 1 for an early beneficiary and 2 for a late beneficiary oblast
gfr_official	float	%9.0g	General Fertility Rate using official Rosstat data
College	int	%10.0g	Number of individuals who have completed college per 1000 people age 10 or older
College_inc	byte	%10.0g	Number of individuals who have not finished college per 1000 people age 10 or older
hs_spec	int	%10.0g	Number of individuals who have received a specialized high school education (vocational) per 1000 people age 10 or older
hs_gen	int	%10.0g	Number of individuals who have received a general high school education per 1000 people age 10 or older
hs_inc	int	%10.0g	Number of individuals who have not finished high school per 1000 people age 10 or older
elem	int	%10.0g	Number of individuals who have completed elementary school per 1000 people age 10 or older
women_urb_79	double	%10.0g	Number of women age 15 to 44 living in urban areas in 1979
women_rur_79	double	%10.0g	Number of women age 15 to 44 living in rural areas in 1979
trade	double	%10.0g	Volume of trade in rubles
concrete	int	%10.0g	Amount of concrete production
brick	int	%10.0g	Amount of brick production
meat	double	%10.0g	Amount of meat production
timber	int	%10.0g	Amount of timber production
canned	double	%10.0g	Amount of canned goods production

Data 2: gfr_adjusted.dta

variable name	storage type	display format	variable label
Birthplace	str67	%67s	Name of an oblast
Year	float	%10.0g	Year of observation
Birthmonth	byte	%10.0g	Month of observation
Birthplace_code	int	%10.0g	Unique numerical code for each oblast
loc	byte	%10.0g	equals to 1 for an early beneficiary and 2 for a late beneficiary
numwomen_1544	double	%9.0g	Number of women age 15 to 44
numbirth_2002_adj	float	%9.0g	Number of births in the 2002 census adjusted for migration and mortality
numbirth_2010_adj	float	%9.0g	Number of births in the 2010 census adjusted for migration and mortality
numbirth_2ndp_adj	float	%9.0g	Number of second births in the 2010 census adjusted for migration and mortality
Numbirth1st_10_adj	float	%9.0g	Number of first births in the 2010 census adjusted for migration and mortality
gfr_2002_adj	float	%9.0g	General Fertility Rate using the 2002 census adjusted for migration and mortality
gfr_2nd_adj	float	%9.0g	Second and higher parity birth fertility rate using the 2010 census adjusted for migration and mortality
gfr_1st_adj	float	%9.0g	First birth fertility rate using the 2010 census adjusted for migration and mortality.
numwomen_79	float	%9.0g	Number of women age 15 to 44 in 1979

Data 3: outcomes_2010_oblast.dta

variable name	storage type	display format	variable label
Birthyear	float	%10.0g	Year of birth
Birthplace_code	int	%10.0g	Unique numerical code for each oblast of birth
loc	float	%10.0g	equals to 1 for an early beneficiary and 2 for a late beneficiary
educ_denom	float	%9.0g	Number of births in the 2010 census
college_more_per	float	%9.0g	Share of individuals who completed at least college
teen_mom	float	%9.0g	Share of women who had a child while a teenager
empl_man_per	float	%9.0g	Share of employed men
empl_wom_per	float	%9.0g	Share of employed women
posob10_per	float	%9.0g	Share on public assistance
numkid_ave	float	%9.0g	Average number of children
married_per	float	%9.0g	Share married
educ_yrs	float	%9.0g	Linear education index constructed by author

Data that are Not Publicly Available

Data: 1994 Russian Microcensus

These data may only be accessed at the Max Planck Institute for Demographic Research in Rostock, Germany on site. An interested individual needs to travel to Rostock in order to use these data. To use these data, it is necessary to contact Dr. Vladimir Shkolnikov (shkolnikov@demogr.mpg.de) to make the necessary arrangements to use these data. The data are managed by the «Demographic Data» Laboratory team. The data available are a 5% sample of the original Russian microcensus.