

Robots, Marriageable Men, Family, and Fertility

Online Appendix

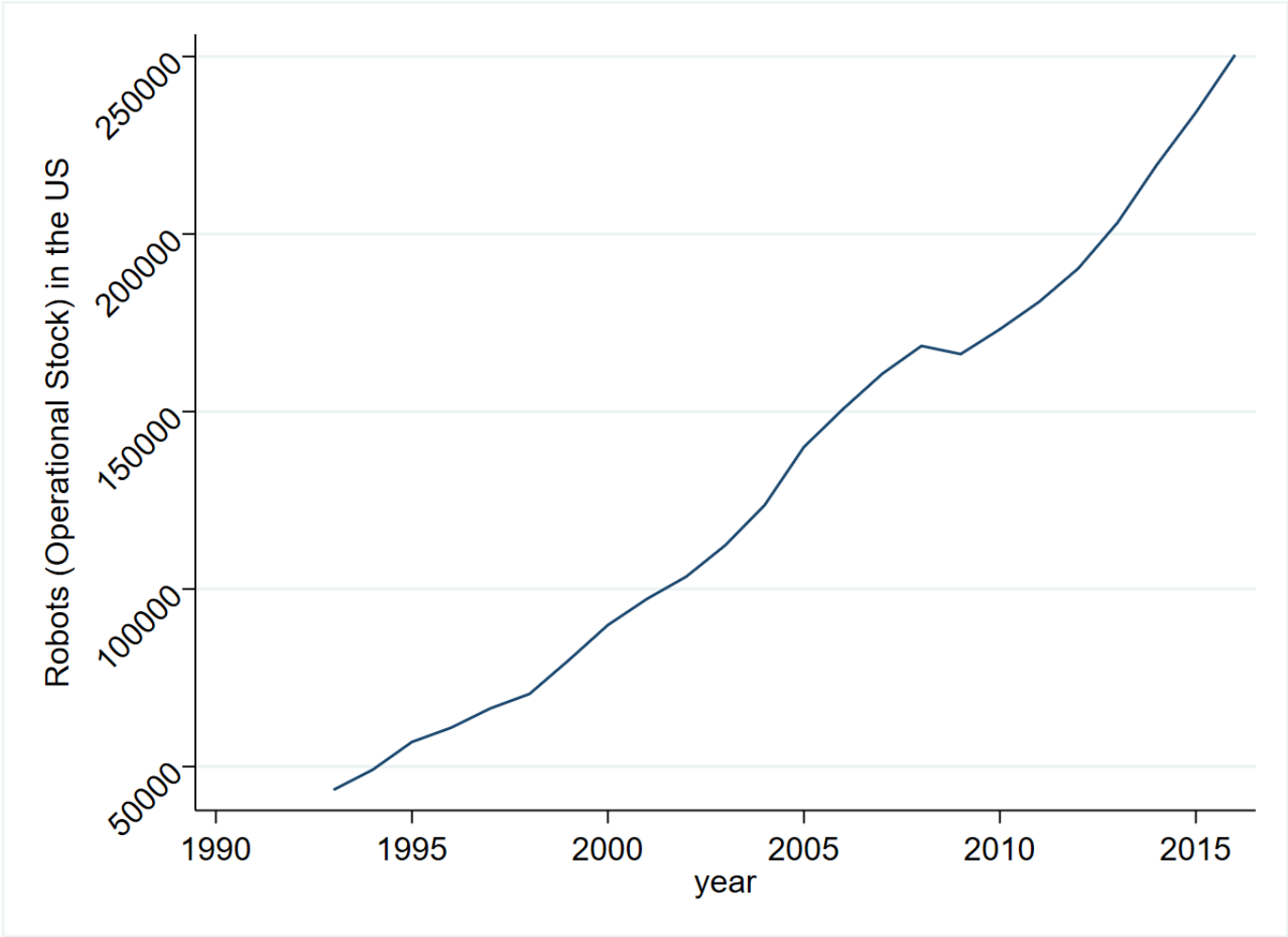
Massimo Anelli, Bocconi University and IZA

Osea Giuntella, University of Pittsburgh and IZA

Luca Stella, Freie Universität Berlin and the John F. Kennedy Institute for North American
Studies

Figures and Tables

Figure A.1: Evolution of the Stocks of Robots, 1993-2016



Notes - Data are drawn from the International Federation of Robotics over the period 1993-2016.

Table A.1: Descriptive Statistics - Commuting Zone-Year Observations: 7,410

	Mean	Std. dev.	Min	Max
Panel A: Outcome variables				
Fertility	0.059	0.018	0.003	0.160
Marital fertility	0.034	0.014	0	0.117
Nonmarital fertility	0.020	0.012	0	0.084
Married	0.412	0.061	0.214	0.662
Divorced	0.099	0.021	0.037	0.187
Cohabiting	0.040	0.012	0.005	0.110
Income	23,388	4,824	12,105	51,834
Labor Force Participation	0.750	0.060	0.534	0.907
Employed	0.685	0.073	0.434	0.871
Panel B: Covariates				
Robot exposure	1.841	1.963	0.123	20.508
Robot exposure - IV	1.233	0.935	0.244	10.815
Age under 25	0.289	0.037	0.166	0.555
Female	0.489	0.018	0.391	0.557

Notes - Data are drawn from the American Community Survey and the International Federation of Robotics over the period 2005-2016.

Table A.2: Effects of Robot Exposure on Fertility Behavior - Alternative Outcomes (2SLS Estimates)

	(1)	(2)	(3)
Panel A: Baseline Specification			
Dep. var.:	Overall fertility	Marital fertility	Nonmarital fertility
Robot exposure	0.000 (0.002)	-0.004** (0.001)	0.003** (0.001)
Mean of dep. var.	0.059	0.033	0.019
Std. dev. of dep. var.	0.018	0.013	0.011
First stage F statistic	605	605	605
Panel B: Fertility Rates Among Married and Unmarried Women			
Dep. var.:	Overall fertility	Marital fertility rate	Nonmarital fertility rate
Robot exposure	0.000 (0.002)	-0.009*** (0.003)	0.010*** (0.003)
Mean of dep. var.	0.059	0.075	0.049
Std. dev. of dep. var.	0.018	0.025	0.028
First stage F statistic	605	605	605
Panel C: Share of Births			
Dep. var.:	Overall fertility	Share of births born to married mothers	Share of births born to unmarried mothers
Robot exposure	0.000 (0.002)	-0.045*** (0.014)	0.029** (0.014)
Mean of dep. var.	0.059	0.572	0.326
Std. dev. of dep. var.	0.018	0.154	0.145
First stage F statistic	605	605	605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.3: Effects of Robot Exposure on Labor Market Outcomes, Marital and Fertility Behavior, Bootstrapped Standard Errors – 2SLS Estimates

	(1)	(2)	(3)
	Robot exposure		
Dep. var.:	Coefficient	Standard <i>p</i> -value	Corrected <i>p</i> -value
Income - M/F gender ratio	-0.042	0.003	0.007
Labor force participation - M/F gender ratio	-0.023	0.003	0.003
Employment - M/F gender ratio	-0.008	0.299	0.324
Marriage	-0.004	0.354	0.350
Divorce	0.009	0.000	0.000
Cohabitation	0.004	0.000	0.000
Overall fertility	0.000	0.803	0.829
Marital fertility	-0.004	0.011	0.008
Nonmarital fertility	0.003	0.015	0.013
Observations	7,410		

Notes - The table reports the coefficient of robot exposure derived by regressions of the outcome listed in in each row on robot exposure. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects. Standard *p*-values as well as bootstrapped *p*-values are reported.

Table A.4: First Stage: Effects of Robot Exposure IV on Robot Exposure

Dep. var.:	(1) Robot exposure
Robot exposure - IV	0.564*** (0.023)
Mean of dep. var.	-0.054
Std. dev. of dep. var.	0.944
Observations	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models include CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.5: Effects of Labor Market Status on Marital and Fertility Behavior - Fixed-Effect Estimates

Dep. var.:	(1)	(2)	(3)	(4)	(5)	(6)
	Marriage	Divorce	Cohabitation	Overall	Fertility Marital	Nonmarital
Income - M/F Gender Ratio	0.026*** (0.003)	-0.014*** (0.002)	-0.001 (0.001)	-0.001 (0.002)	0.003** (0.001)	-0.003** (0.001)
LFP - M/F Gender Ratio	0.052*** (0.006)	-0.017*** (0.003)	0.000 (0.002)	0.012*** (0.004)	0.018*** (0.003)	-0.009*** (0.003)
Employment - M/F Gender Ratio	0.051*** (0.005)	-0.018*** (0.003)	-0.001 (0.002)	0.006* (0.003)	0.013*** (0.002)	-0.007*** (0.002)
Mean of dep. var.	0.412	0.098	0.039	0.059	0.033	0.019
Std. dev. of dep. var.	0.061	0.021	0.012	0.018	0.013	0.011
Observations	7,410	7,410	7,410	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.6: Effects of Robot Exposure on Marital Behavior, by Age Group – 2SLS Estimates

	(1) Marriage	(2) Divorce	(4) Cohabitation
Panel A: Individuals aged 16-29			
Robot exposure	0.009* (0.005)	0.002 (0.001)	-0.001 (0.002)
Mean of dep. var.	0.175	0.023	0.044
Std. dev. of dep. var.	0.057	0.013	0.018
Panel B: Individuals aged 30-50			
Robot exposure	-0.013** (0.006)	0.013*** (0.004)	0.008*** (0.001)
Mean of dep. var.	0.588	0.154	0.036
Std. dev. of dep. var.	0.069	0.029	0.013
Panel C: Individuals aged 15-44			
Robot exposure	-0.014*** (0.005)	0.003* (0.002)	0.005*** (0.001)
Mean of dep. var.	0.353	0.076	0.041
Std. dev. of dep. var.	0.058	0.020	0.013
Panel D: Individuals aged 15-19			
Robot exposure	0.007*** (0.002)	0.001** (0.000)	0.001 (0.001)
Mean of dep. var.	0.008	0.001	0.007
Std. dev. of dep. var.	0.013	0.003	0.011
First stage F statistic	605	605	605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.7: Effects of Robot Exposure on Fertility Behavior, by Age Group – 2SLS Estimates

	(1)	(2)	(4)
	Overall fertility	Marital fertility	Nonmarital fertility
Panel A: Individuals aged 16-29			
Robot exposure	0.004 (0.004)	-0.002 (0.003)	0.006** (0.003)
Mean of dep. var.	0.093	0.044	0.040
Std. dev. of dep. var.	0.036	0.025	0.025
Panel B: Individuals aged 30-50			
Robot exposure	-0.002 (0.002)	-0.005*** (0.001)	0.002** (0.001)
Mean of dep. var.	0.035	0.026	0.004
Std. dev. of dep. var.	0.015	0.013	0.005
Panel C: Individuals aged 15-44			
Robot exposure	0.003 (0.002)	-0.003* (0.002)	0.004*** (0.001)
Mean of dep. var.	0.069	0.039	0.023
Std. dev. of dep. var.	0.021	0.016	0.014
Panel D: Individuals aged 15-19			
Robot exposure	0.008** (0.003)	0.000 (0.001)	0.005* (0.003)
Mean of dep. var.	0.028	0.004	0.023
Std. dev. of dep. var.	0.029	0.009	0.027
First stage F statistic	605	605	605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.8: Effects of Robot Exposure on Fertility Behavior, by Age Group – 2SLS Estimates

	(1)	(2)	(3)
	Overall fertility	Marital fertility	Nonmarital fertility
Panel A: Individuals aged 30-40			
Robot exposure	0.000 (0.004)	-0.005* (0.003)	0.002 (0.002)
Mean of dep. var.	0.064	0.048	0.008
Std. dev. of dep. var.	0.028	0.025	0.011
Panel B: Individuals aged 41-50			
Robot exposure	0.002* (0.001)	0.000 (0.001)	0.001*** (0.000)
Mean of dep. var.	0.007	0.004	0.001
Std. dev. of dep. var.	0.009	0.006	0.002
First stage F statistic	605	605	605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.9: Effects of Robot Exposure on Match Quality in Couples – 2SLS Estimates

Dep. var.: Spouse Education, Relative to Own	(1) More	(2) More among married	(3) More among cohabiting
Robot exposure	0.011** (0.005)	0.008 (0.005)	0.048*** (0.016)
Mean of dep. var.	0.188	0.184	0.232
Std. dev. of dep. var.	0.0378	0.0386	0.131
First stage F statistic	605	605	605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.10: Effects of Robot Exposure on Marital Behavior - Restricting to Individuals who did not Change Residence in the Previous Year

	(1) OLS	(2) Reduced form	(3) 2SLS
Panel A: Dep. var.: Marriage			
Robot exposure	-0.003 (0.004)		-0.009* (0.004)
Robot exposure - IV		-0.005* (0.003)	
Mean of dep. var.	0.452	0.452	0.452
Std. dev. of dep. var.	0.068	0.068	0.068
First stage F statistic			599
Panel B: Dep. var.: Divorce			
Robot exposure	0.007*** (0.002)		0.008*** (0.002)
Robot exposure - IV		0.005*** (0.001)	
Mean of dep. var.	0.095	0.095	0.095
Std. dev. of dep. var.	0.020	0.020	0.020
First stage F statistic			599
Panel C: Dep. var.: Cohabitation			
Robot exposure	-0.001 (0.001)		0.002 (0.001)
Robot exposure - IV		0.001 (0.001)	
Mean of dep. var.	0.031	0.031	0.031
Std. dev. of dep. var.	0.011	0.011	0.011
First stage F statistic			599
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.11: Effects of Robot Exposure on Marital Behavior - Restricting to Individuals who Reside in the Same State as the Place of Birth

	(1) OLS	(2) Reduced form	(3) 2SLS
Panel A: Dep. var.: Marriage			
Robot exposure	-0.002 (0.004)		-0.003 (0.005)
Robot exposure - IV		-0.001 (0.003)	
Mean of dep. var.	0.389	0.389	0.389
Std. dev. of dep. var.	0.072	0.072	0.072
First stage F statistic			600
Panel B: Dep. var.: Divorce			
Robot exposure	0.006*** (0.002)		0.007*** (0.002)
Robot exposure - IV		0.004*** (0.001)	
Mean of dep. var.	0.094	0.094	0.094
Std. dev. of dep. var.	0.023	0.023	0.023
First stage F statistic			600
Panel C: Dep. var.: Cohabitation			
Robot exposure	0.002* (0.001)		0.004*** (0.001)
Robot exposure - IV		0.002*** (0.001)	
Mean of dep. var.	0.038	0.038	0.038
Std. dev. of dep. var.	0.013	0.013	0.013
First stage F statistic			600
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.12: Effects of Robot Exposure on Marital Behavior - Controlling for the Share of Individuals Changing Residence

	(1) OLS	(2) Reduced form	(3) 2SLS
Panel A: Dep. var.: Marriage			
Robot exposure	-0.002 (0.003)		-0.003 (0.004)
Robot exposure - IV		-0.002 (0.002)	
Mean of dep. var.	0.412	0.412	0.412
Std. dev. of dep. var.	0.061	0.061	0.061
First stage F statistic			605
Panel B: Dep. var.: Divorce			
Robot exposure	0.007*** (0.002)		0.009*** (0.002)
Robot exposure - IV		0.005*** (0.001)	
Mean of dep. var.	0.098	0.098	0.098
Std. dev. of dep. var.	0.021	0.021	0.021
First stage F statistic			605
Panel C: Dep. var.: Cohabitation			
Robot exposure	0.001 (0.001)		0.004*** (0.001)
Robot exposure - IV		0.002*** (0.001)	
Mean of dep. var.	0.039	0.039	0.039
Std. dev. of dep. var.	0.012	0.012	0.012
First stage F statistic			605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), commuting zone and year fixed effects, and include the share of people who remained in the same house in the previous year.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.13: Effects of Robot Exposure on Marital Behavior - Controlling for the Share of Individuals Residing in their State of Birth

	(1) OLS	(2) Reduced form	(3) 2SLS
Panel A: Dep. var.: Marriage			
Robot exposure	-0.002 (0.003)		-0.003 (0.004)
Robot exposure - IV		-0.002 (0.002)	
Mean of dep. var.	0.412	0.412	0.412
Std. dev. of dep. var.	0.061	0.061	0.061
First stage F statistic			605
Panel B: Dep. var.: Divorce			
Robot exposure	0.007*** (0.002)		0.009*** (0.002)
Robot exposure - IV		0.005*** (0.001)	
Mean of dep. var.	0.098	0.098	0.098
Std. dev. of dep. var.	0.021	0.021	0.021
First stage F statistic			605
Panel C: Dep. var.: Cohabitation			
Robot exposure	0.001 (0.001)		0.005*** (0.001)
Robot exposure - IV		0.003*** (0.001)	
Mean of dep. var.	0.039	0.039	0.039
Std. dev. of dep. var.	0.012	0.012	0.012
First stage F statistic			605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), commuting zone and year fixed effects, and include the share of people whose current state of residence is the same as their state of birth.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.14: Effects of Robot Exposure on Fertility Behavior - Restricting to Individuals who did not Change Residence in the Previous Year

	(1) OLS	(2) Reduced form	(4) 2SLS
Panel A: Dep. var.: Overall Fertility			
Robot exposure	-0.002 (0.002)		-0.001 (0.002)
Robot exposure - IV		-0.001 (0.001)	
Mean of dep. var.	0.053	0.053	0.053
Std. dev. of dep. var.	0.017	0.017	0.017
First stage F statistic			599
Panel B: Dep. var.: Marital Fertility			
Robot exposure	-0.005*** (0.001)		-0.006*** (0.002)
Robot exposure - IV		-0.004*** (0.001)	
Mean of dep. var.	0.033	0.033	0.033
Std. dev. of dep. var.	0.014	0.014	0.014
First stage F statistic			599
Panel C: Dep. var.: Nonmarital Fertility			
Robot exposure	0.003*** (0.001)		0.004*** (0.001)
Robot exposure - IV		0.002*** (0.001)	
Mean of dep. var.	0.015	0.015	0.015
Std. dev. of dep. var.	0.011	0.011	0.011
First stage F statistic			599
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.15: Effects of Robot Exposure on Fertility Behavior - Restricting to Individuals who Reside in the Same State as the Place of Birth

	(1) OLS	(2) Reduced form	(4) 2SLS
Panel A: Dep. var.: Overall Fertility			
Robot exposure	0.002 (0.002)		0.006** (0.002)
Robot exposure - IV		0.003** (0.001)	
Mean of dep. var.	0.060	0.060	0.060
Std. dev. of dep. var.	0.021	0.021	0.021
First stage F statistic			600
Panel B: Dep. var.: Marital Fertility			
Robot exposure	-0.003* (0.002)		-0.003* (0.002)
Robot exposure - IV		-0.002* (0.001)	
Mean of dep. var.	0.032	0.032	0.032
Std. dev. of dep. var.	0.015	0.015	0.015
First stage F statistic			600
Panel C: Dep. var.: Nonmarital Fertility			
Robot exposure	0.004*** (0.001)		0.007*** (0.002)
Robot exposure - IV		0.004*** (0.001)	
Mean of dep. var.	0.022	0.022	0.022
Std. dev. of dep. var.	0.015	0.015	0.015
First stage F statistic			600
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.16: Effects of Robot Exposure on Fertility Behavior - Controlling for the Share of Individuals Changing Residence

	(1) OLS	(2) Reduced form	(4) 2SLS
Panel A: Dep. var.: Overall Fertility			
Robot exposure	-0.001 (0.002)		0.000 (0.002)
Robot exposure - IV		0.000 (0.001)	
Mean of dep. var.	0.059	0.059	0.059
Std. dev. of dep. var.	0.018	0.018	0.018
First stage F statistic			605
Panel B: Dep. var.: Marital Fertility			
Robot exposure	-0.002* (0.001)		-0.004** (0.001)
Robot exposure - IV		-0.002** (0.001)	
Mean of dep. var.	0.033	0.033	0.033
Std. dev. of dep. var.	0.013	0.013	0.013
First stage F statistic			605
Panel C: Dep. var.: Nonmarital Fertility			
Robot exposure	0.001 (0.001)		0.003** (0.001)
Robot exposure - IV		0.002** (0.001)	
Mean of dep. var.	0.019	0.019	0.019
Std. dev. of dep. var.	0.011	0.011	0.011
First stage F statistic			605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), commuting zone and year fixed effects, and include the share of people who remained in the same house in the previous year.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.17: Effects of Robot Exposure on Fertility Behavior - Controlling for the Share of Individuals Residing in their State of Birth

	(1) OLS	(2) Reduced form	(4) 2SLS
Panel A: Dep. var.: Overall Fertility			
Robot exposure	-0.001 (0.002)		0.001 (0.002)
Robot exposure - IV		0.000 (0.001)	
Mean of dep. var.	0.059	0.059	0.059
Std. dev. of dep. var.	0.018	0.018	0.018
First stage F statistic			605
Panel B: Dep. var.: Marital Fertility			
Robot exposure	-0.002** (0.001)		-0.004** (0.001)
Robot exposure - IV		-0.002** (0.001)	
Mean of dep. var.	0.033	0.033	0.033
Std. dev. of dep. var.	0.013	0.013	0.013
First stage F statistic			605
Panel C: Dep. var.: Nonmarital Fertility			
Robot exposure	0.001 (0.001)		0.003** (0.001)
Robot exposure - IV		0.002** (0.001)	
Mean of dep. var.	0.019	0.019	0.019
Std. dev. of dep. var.	0.011	0.011	0.011
First stage F statistic			605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), commuting zone and year fixed effects, and include the share of people whose current state of residence is the same as their state of birth.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.18: Long-Difference Specification: Effects of Robot Exposure on Labor Market Outcomes, Marital and Fertility Behavior – 2SLS Estimates

	(1)	(2)	(3)
Panel A: Labor Market Outcomes - M/F gender ratio			
Dep. var.:	Income	Labor Force Participation	Employment
Robot exposure	-0.126*** (0.035)	-0.129*** (0.034)	-0.119*** (0.034)
First stage F statistic	604	604	604
Observations	741	741	741
Panel B: Marital Behavior			
Dep. var.:	Marriage	Divorce	Cohabitation
Robot exposure	-0.064* (0.036)	0.098** (0.041)	0.061* (0.036)
First stage F statistic	604	604	604
Observations	741	741	741
Panel C: Fertility Behavior			
Dep. var.:	Overall fertility	Marital fertility	Nonmarital fertility
Robot exposure	0.039 (0.031)	-0.083** (0.034)	0.164*** (0.035)
First stage F statistic	604	604	604
Observations	741	741	741

Notes - Robust standard errors are reported in parentheses. All models control for baseline CZ-level demographic and economic characteristics. These include the average age, the share of females, the share of women and men in the labor force, and the share of employed.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.19: Long-Difference Specification: Effects of Robot Exposure on Marital and Fertility Behavior - Including Controls for Pre-trends (from 1980-1990) – 2SLS Estimates

Dep. var.:	(1)	(2)	(3)	(4)	(5)	(6)
	Marriage	Divorce	Cohabitation	Overall fertility	Marital fertility	Nonmarital fertility
Robot exposure	-0.074** (0.037)	0.121*** (0.041)	0.045 (0.037)	0.046 (0.031)	-0.064* (0.034)	0.160*** (0.035)
First stage F statistic	599	603	613	586	584	607
Observations	741	741	741	741	741	741

Notes - Robust standard errors are reported in parentheses. All models control for baseline CZ-level demographic and economic characteristics. These include the average age, the share of females, the share of women and men in the labor force and the share of employed. All models further include controls for pre-trends (from 1980-1990) in the outcome of interest.
 *Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.20: Rotemberg Weights

Sector	Rotemberg Weight
Electronics	0.32
Basic metal	0.05
Metal machinery	0.02
Paper float	0.02
Construction	0.02
Automotive	0.01
Metal product	0.01
Glass	< 0.01
Plastic	< 0.01
Other vehicles	< 0.01
Textile	< 0.01
Education	< 0.01
Food	< 0.01
Agriculture	< 0.01
Mining	< 0.01
Wood	< 0.01
Electricity	< 0.01
Other	< 0.01
Other manufacturing	< 0.01

Notes - We calculated Rotemberg weights by year and sector. Here we report the average weight of each sector throughout the period of the analysis.

Table A.21: Effects of Robot Exposure on Marital Behavior – Excluding Robots in the Electronics Sector

	(1) OLS	(2) Reduced form	(3) 2SLS
Panel A: Marriage			
Robot exposure	-0.004 (0.004)		-0.004 (0.004)
Robot exposure - IV		-0.002 (0.002)	
Mean of dep. var.	0.412	0.412	0.412
Std. dev. of dep. var.	0.061	0.061	0.061
First stage F statistic			588
Panel B: Divorce			
Robot exposure	0.008*** (0.002)		0.009*** (0.002)
Robot exposure - IV		0.005*** (0.001)	
Mean of dep. var.	0.098	0.098	0.098
Std. dev. of dep. var.	0.021	0.021	0.021
First stage F statistic			588
Panel C: Cohabitation			
Robot exposure	0.002** (0.001)		0.005*** (0.001)
Robot exposure - IV		0.003*** (0.001)	
Mean of dep. var.	0.039	0.039	0.039
Std. dev. of dep. var.	0.012	0.012	0.012
First stage F statistic			588
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects. All models exclude the stock of robots in the electronics sector from the computation of the robot exposure measure.
 *Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.22: Effects of Robot Exposure on Fertility Behavior – Excluding Robots in the Electronics Sector

	(1) OLS	(2) Reduced form	(4) 2SLS
Panel A: Overall Fertility			
Robot exposure	-0.002 (0.002)		0.001 (0.002)
Robot exposure - IV		0.000 (0.001)	
Mean of dep. var.	0.059	0.059	0.059
Std. dev. of dep. var.	0.018	0.018	0.018
First stage F statistic			588
Panel B: Marital Fertility			
Robot exposure	-0.003** (0.001)		-0.004** (0.001)
Robot exposure - IV		-0.002** (0.001)	
Mean of dep. var.	0.033	0.033	0.033
Std. dev. of dep. var.	0.013	0.013	0.013
First stage F statistic			588
Panel C: Nonmarital Fertility			
Robot exposure	0.001 (0.001)		0.003** (0.001)
Robot exposure - IV		0.002** (0.001)	
Mean of dep. var.	0.019	0.019	0.019
Std. dev. of dep. var.	0.011	0.011	0.011
First stage F statistic			588
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects. All models exclude the stock of robots in the electronics sector from the computation of the robot exposure measure.
 *Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.23: Effects of Robot Exposure on Marital Behavior – Including Controls for Specific Time Trends by Initial Share of Employment in the Electronics Sector

	(1)	(2)	(3)
	OLS	Reduced form	2SLS
Panel A: Marriage			
Robot exposure	-0.010** (0.004)		-0.010* (0.006)
Robot exposure - IV		-0.005* (0.003)	
Mean of dep. var.	0.412	0.412	0.412
Std. dev. of dep. var.	0.061	0.061	0.061
First stage F statistic			438
Panel B: Divorce			
Robot exposure	0.006*** (0.002)		0.006** (0.002)
Robot exposure - IV		0.003** (0.001)	
Mean of dep. var.	0.098	0.098	0.098
Std. dev. of dep. var.	0.021	0.021	0.021
First stage F statistic			438
Panel C: Cohabitation			
Robot exposure	0.004*** (0.001)		0.008*** (0.001)
Robot exposure - IV		0.004*** (0.001)	
Mean of dep. var.	0.039	0.039	0.039
Std. dev. of dep. var.	0.012	0.012	0.012
First stage F statistic			438
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), commuting zone and year fixed effects, and include specific time trends across areas in different quartiles of the initial share of employment in the electronics sector. In practice, we include controls interacting year dummies with quartiles of the share of employment in the electronics sector as of 1990. *Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.24: Effects of Robot Exposure on Fertility Behavior – Including Controls for Specific Time Trends by Initial Share of Employment in the Electronics Sector

	(1)	(2)	(4)
	OLS	Reduced form	2SLS
Panel A: Overall Fertility			
Robot exposure	-0.005** (0.002)		-0.001 (0.002)
Robot exposure - IV		-0.001 (0.001)	
Mean of dep. var.	0.059	0.059	0.059
Std. dev. of dep. var.	0.018	0.018	0.018
First stage F statistic			438
Panel B: Marital Fertility			
Robot exposure	-0.003** (0.001)		-0.004** (0.002)
Robot exposure - IV		-0.002** (0.001)	
Mean of dep. var.	0.033	0.033	0.033
Std. dev. of dep. var.	0.013	0.013	0.013
First stage F statistic			438
Panel C: Nonmarital Fertility			
Robot exposure	-0.001 (0.001)		0.001 (0.001)
Robot exposure - IV		0.001 (0.001)	
Mean of dep. var.	0.019	0.019	0.019
Std. dev. of dep. var.	0.011	0.011	0.011
First stage F statistic			438
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), commuting zone and year fixed effects, and include specific time trends across areas in different quartiles of the initial share of employment in the electronics sector. In practice, we include controls interacting year dummies with quartiles of the share of employment in the electronics sector as of 1990. *Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.25: Relationship between the Share of Employment in the Automotive and Electronics in the US in 1970 and Marital and Fertility Change 1980-1990 – OLS Estimates

Dep. var.:	(1)	(2)	(3)	(4)	(5)	(6)
	Marriage	Divorce	Cohabitation	Overall fertility	Marital fertility	Nonmarital fertility
Panel A: Share of Employment in the Electronics Industry in 1970						
Share of employment in the electronics sector in 1970	0.000 (0.001)	-0.001** (0.000)	-0.000 (0.000)	-0.001 (0.000)	-0.001 (0.001)	-0.000 (0.000)
Mean of dep. var.	-0.054	0.019	0.018	-0.016	-0.027	0.004
Std. dev. of dep. var.	0.023	0.009	0.006	0.011	0.015	0.008
Observations	741	741	741	741	741	741
Panel B: Share of Employment in the Automotive Industry in 1970						
Share of employment in the automotive sector in 1970	0.000 (0.001)	-0.000 (0.000)	-0.001*** (0.000)	-0.000 (0.000)	0.000 (0.000)	-0.000 (0.000)
Mean of dep. var.	-0.054	0.019	0.018	-0.016	-0.027	0.004
Std. dev. of dep. var.	0.023	0.009	0.006	0.011	0.015	0.008
Observations	741	741	741	741	741	741

Notes - Data on demographic outcomes are drawn from the 1980 and 1990 US Census. Robust standard errors are reported in parentheses. All models include CZ-level demographic and economic characteristics. These include the share of individuals under the age of 25, the share of females, the share of people in the labor force, the share of unemployed, the share of employed, average income, average education, and the poverty rate.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.26: Effects of Robot Exposure on Marital Behavior - Including Controls for Specific Time Trends by Initial Share of Employment in the Automotive Sector.

	(1) OLS	(2) Reduced form	(3) 2SLS
Panel A: Dep. var.: Marriage			
Robot exposure	-0.006 (0.005)		-0.009 (0.007)
Robot exposure - IV		-0.004 (0.003)	
Mean of dep. var.	0.412	0.412	0.412
Std. dev. of dep. var.	0.061	0.061	0.061
First stage F statistic			200
Panel B: Dep. var.: Divorce			
Robot exposure	0.003 (0.002)		0.006* (0.003)
Robot exposure - IV		0.002* (0.001)	
Mean of dep. var.	0.098	0.098	0.098
Std. dev. of dep. var.	0.021	0.021	0.021
First stage F statistic			200
Panel C: Dep. var.: Cohabitation			
Robot exposure	0.003** (0.001)		0.009*** (0.002)
Robot exposure - IV		0.004*** (0.001)	
Mean of dep. var.	0.039	0.039	0.039
Std. dev. of dep. var.	0.012	0.012	0.012
First stage F statistic			200
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), commuting zone and year fixed effects, and include specific time trends across areas in different quartiles of the initial share of employment in the automotive sector. In practice, we include controls interacting year dummies with quartiles of the share of employment in the automotive sector as of 1990. *Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.27: Effects of Robot Exposure on Fertility Behavior - Including Controls for Specific Time Trends by Initial Share of Employment in the Automotive Sector.

	(1)	(2)	(4)
	OLS	Reduced form	2SLS
Panel A: Dep. var.: Overall Fertility			
Robot exposure	-0.002 (0.002)		0.002 (0.003)
Robot exposure - IV		0.001 (0.001)	
Mean of dep. var.	0.059	0.059	0.059
Std. dev. of dep. var.	0.018	0.018	0.018
First stage F statistic			200
Panel B: Dep. var.: Marital Fertility			
Robot exposure	-0.004** (0.002)		-0.006** (0.002)
Robot exposure - IV		-0.002** (0.001)	
Mean of dep. var.	0.033	0.033	0.033
Std. dev. of dep. var.	0.013	0.013	0.013
First stage F statistic			200
Panel C: Dep. var.: Nonmarital Fertility			
Robot exposure	0.001 (0.001)		0.004** (0.002)
Robot exposure - IV		0.002** (0.001)	
Mean of dep. var.	0.019	0.019	0.019
Std. dev. of dep. var.	0.011	0.011	0.011
First stage F statistic			200
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), commuting zone and year fixed effects, and include specific time trends across areas in different quartiles of the initial share of employment in the automotive sector. In practice, we include controls interacting year dummies with quartiles of the share of employment in the automotive sector as of 1990. *Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.28: Effects of Robot Exposure on Marital and Fertility Behavior – Including Controls for Exposure to Trade – 2SLS Estimates

Dep. var.:	(1) Marriage	(2) Divorce	(3) Cohabitation	(4) Overall fertility	(5) Marital fertility	(6) Nonmarital fertility
Robot exposure	-0.004 (0.004)	0.008*** (0.002)	0.004*** (0.001)	-0.000 (0.002)	-0.004*** (0.001)	0.002** (0.001)
Mean of dep. var.	0.412	0.098	0.039	0.059	0.033	0.019
Std. dev. of dep. var.	0.061	0.021	0.012	0.018	0.013	0.011
First stage F statistic	589	589	589	589	589	589
Observations	7,410	7,410	7,410	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects. All models further include the CZ-level measure of exposure to trade (detailed in Section 5.1) interacted with year dummies.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.29: Effects of Robot Exposure on Marital and Fertility Behavior - Including Controls for Trends in the Manufacturing Sector – 2SLS Estimates

Dep. var.:	(1) Marriage	(2) Divorce	(3) Cohabitation	(4) Overall fertility	(5) Marital fertility	(6) Nonmarital fertility
Robot exposure	-0.004 (0.004)	0.008*** (0.002)	0.004*** (0.001)	-0.000 (0.002)	-0.004*** (0.001)	0.002** (0.001)
Mean of dep. var.	0.412	0.098	0.039	0.059	0.033	0.019
Std. dev. of dep. var.	0.061	0.021	0.012	0.018	0.013	0.011
First stage F statistic	590	590	590	590	590	590
Observations	7,410	7,410	7,410	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), commuting zone and year fixed effects, and include controls interacting year dummies with the share of employment in total manufacturing as of 1990.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.30: Effects of Robot Exposure on Marital Behavior– Including Controls for Family Policy Environment – 2SLS Estimates

	(1) Family controls	(2) TRAP laws	(3) Family controls and TRAP laws
Panel A: Dep. var.: Marriage			
Robot exposure	-0.004 (0.004)	-0.004 (0.004)	-0.004 (0.004)
Mean of dep. var.	0.412	0.412	0.412
Std. dev. of dep. var.	0.061	0.061	0.061
First stage F statistic	639	619	647
Panel B: Dep. var.: Divorce			
Robot exposure	0.009*** (0.002)	0.009*** (0.002)	0.009*** (0.002)
Mean of dep. var.	0.098	0.098	0.098
Std. dev. of dep. var.	0.021	0.021	0.021
First stage F statistic	639	619	647
Panel C: Dep. var.: Cohabitation			
Robot exposure	0.004*** (0.001)	0.004*** (0.001)	0.004*** (0.001)
Mean of dep. var.	0.039	0.039	0.039
Std. dev. of dep. var.	0.012	0.012	0.012
First stage F statistic	639	619	647
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects. Furthermore, column 1 includes controls for family policies (see Section 5.1 for details), column 2 adds TRAP laws, and column 3 includes controls for both family policies and TRAP laws.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.31: Effects of Robot Exposure on Fertility Behavior– Including Controls for Family Policy Environment – 2SLS Estimates

	(1) Family controls	(2) TRAP laws	(3) Family controls and TRAP laws
Panel A: Dep. var.: Overall Fertility			
Robot exposure	-0.001 (0.002)	0.000 (0.002)	-0.001 (0.002)
Mean of dep. var.	0.059	0.059	0.059
Std. dev. of dep. var.	0.018	0.018	0.018
First stage F statistic	639	619	647
Panel B: Dep. var.: Marital Fertility			
Robot exposure	-0.004*** (0.001)	-0.004*** (0.001)	-0.004*** (0.001)
Mean of dep. var.	0.033	0.033	0.033
Std. dev. of dep. var.	0.013	0.013	0.013
First stage F statistic	639	619	647
Panel C: Dep. var.: Nonmarital Fertility			
Robot exposure	0.003** (0.001)	0.003** (0.001)	0.002* (0.001)
Mean of dep. var.	0.019	0.019	0.019
Std. dev. of dep. var.	0.011	0.011	0.011
First stage F statistic	639	619	647
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects. Furthermore, column 1 includes controls for family policies (see Section 5.1 for details), column 2 adds TRAP laws, and column 3 includes controls for both family policies and TRAP laws.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.32: Effects of Robot Exposure on Fertility Behavior, Extensive and Intensive Margin – 2SLS Estimates

	(1)	(2)	(4)
	Overall fertility	Marital fertility	Nonmarital fertility
Panel A: Extensive Margin of Fertility (Share of Women Having at Least One Child)			
Robot exposure	0.001 (0.002)	-0.003*** (0.001)	0.003** (0.002)
Mean of dep. var.	0.0402	0.0174	0.0185
Std. dev. of dep. var.	0.0173	0.0101	0.0131
Panel B: Intensive Margin of Fertility (Share of Women Having More than One Child)			
Robot exposure	-0.002 (0.003)	-0.007*** (0.003)	0.004** (0.002)
Mean of dep. var.	0.102	0.0637	0.0289
Std. dev. of dep. var.	0.0288	0.0247	0.0172
Panel C: Intensive Margin of Fertility (Number of Children)			
Robot exposure	-0.000 (0.010)	-0.073*** (0.015)	0.055*** (0.012)
Mean of dep. var.	1.019	1.556	0.374
Std. dev. of dep. var.	0.135	0.185	0.146
First stage F statistic	605	605	605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.33: Effects of Robot Exposure on Marital Behavior, Conditioning on Children's Presence
– 2SLS Estimates

	(1) Baseline	(2) Number of children=0	(3) Number of children>0	(4) Age of the youngest child<5	(5) Age of the youngest child<10	(6) Age of the youngest child<15
Panel A: Marriage						
Robot exposure	-0.004 (0.004)	0.006 (0.004)	-0.021*** (0.005)	-0.029*** (0.008)	-0.027*** (0.007)	-0.027*** (0.006)
Mean of dep. var.	0.412	0.179	0.708	0.698	0.703	0.711
Std. dev. of dep. var.	0.061	0.045	0.065	0.086	0.074	0.0689
Panel B: Divorce						
Robot exposure	0.009*** (0.002)	0.007*** (0.002)	0.011*** (0.003)	0.006* (0.003)	0.008** (0.003)	0.010*** (0.003)
Mean of dep. var.	0.098	0.094	0.105	0.055	0.076	0.090
Std. dev. of dep. var.	0.021	0.026	0.024	0.027	0.026	0.0251
Panel C: Cohabitation						
Robot exposure	0.004*** (0.001)	0.002 (0.001)	0.006*** (0.002)	0.006* (0.003)	0.006** (0.002)	0.005*** (0.002)
Mean of dep. var.	0.039	0.033	0.048	0.063	0.056	0.051
Std. dev. of dep. var.	0.012	0.013	0.018	0.030	0.023	0.0202
First stage F statistic	605	605	605	605	605	605
Observations	7,410	7,410	7,410	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.34: Effects of Robot Exposure on Completed Fertility Behavior (as Measured by the Number of Children among Women aged 45-50) – 2SLS Estimates

	(1) Overall fertility	(2) Marital fertility	(3) Nonmarital fertility
Robot exposure	-0.010 (0.017)	-0.039* (0.023)	0.081* (0.047)
Mean of dep. var.	0.905	1.064	0.373
Std. dev. of dep. var.	0.191	0.255	0.349
First stage F statistic	605	605	605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.35: Effects of Robot Exposure on Nonmarital Fertility among Cohabiting and Non-cohabiting Women – 2SLS Estimates

Dep. var.:	(1) Nonmarital fertility	(2) Nonmarital fertility - cohabiting women	(3) Nonmarital fertility - non-cohabiting women
Robot exposure	0.003** (0.001)	0.000 (0.000)	0.003** (0.001)
Mean of dep. var.	0.019	0.003	0.017
Std. dev. of dep. var.	0.011	0.004	0.011
First stage F statistic	605	605	605
Observations	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.36: Effects of Robot Exposure on Marital and Fertility Behavior among Same-Sex Couples
– 2SLS Estimates

	(1)	(2)	(3)	(4)	(5)	(6)
	Marriage	Divorce	Cohabitation	Overall fertility	Marital fertility	Nonmarital fertility
Panel A: Focusing on Same-Sex Couples						
Robot exposure	-0.001*** (0.000)	0.000 (0.000)	0.000 (0.000)	-0.000 (0.000)	-0.000 (0.000)	0.000 (0.000)
Mean of dep. var.	0.001	0.001	0.002	0.000	0.000	0.000
Std. dev. of dep. var.	0.002	0.001	0.002	0.001	0.001	0.000
First stage F statistic	597	597	597	597	597	597
Panel B: Baseline that excludes Same-Sex Couples						
Robot exposure	-0.003 (0.004)	0.009*** (0.002)	0.004*** (0.001)	0.000 (0.002)	-0.004** (0.001)	0.003** (0.001)
Mean of dep. var.	0.413	0.0982	0.0382	0.0595	0.0338	0.0196
Std. dev. of dep. var.	0.0616	0.0212	0.0119	0.0180	0.0136	0.0117
First stage F statistic	604	604	604	604	604	604
Panel C: Baseline that includes Legislation of Same-Sex Marriage						
Robot exposure	-0.003 (0.004)	0.009*** (0.002)	0.005*** (0.001)	0.000 (0.002)	-0.004*** (0.001)	0.003** (0.001)
Mean of dep. var.	0.412	0.0986	0.0398	0.0594	0.0337	0.0196
Std. dev. of dep. var.	0.0612	0.0213	0.0120	0.0180	0.0135	0.0116
First stage F statistic	597	597	597	597	597	597
Observations	7,410	7,410	7,410	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.

Table A.37: Effects of Robot Exposure on Marital Behavior among Same-Sex Couples, by Gender
 – 2SLS Estimates

	(1)	(2)	(3)	(4)	(5)	(6)
		Females			Males	
	Marriage	Divorce	Cohabitation	Marriage	Divorce	Cohabitation
Robot exposure	-0.001* (0.000)	0.000 (0.000)	0.000 (0.000)	-0.002*** (0.000)	-0.000 (0.000)	0.000 (0.000)
Mean of dep. var.	0.001	0.001	0.002	0.001	0.001	0.001
Std. dev. of dep. var.	0.003	0.002	0.002	0.002	0.001	0.002
First stage F statistic	597	597	597	597	597	597
Observations	7,410	7,410	7,410	7,410	7,410	7,410

Notes - Standard errors are reported in parentheses and are clustered at the commuting zone level. All models control for CZ-level demographic characteristics (share of individuals under the age of 25 and share of females), as well as commuting zone and year fixed effects. All models further include controls for legislation of same-sex marriage.

*Significant at 10 per cent; ** Significant at 5 per cent; ***Significant at 1 per cent.