## Appendix B (for online publication)

Table B1: Remove time trends

	Black	White	White
	Male	Male	Female
Effect	STEM BA	STEM Occ.	Prior Yr Empl.
Panel A: Baseline result			
Foreign STEM Exposure	-0.085**	-0.058***	-0.037**
	(0.036)	(0.014)	(0.016)
Control mean	[0.249]	[0.292]	[0.863]
N	14,354	72,933	36,519
Panel B: No state trends			
Foreign STEM Exposure	-0.047***	-0.016*	0.005
	(0.017)	(0.009)	(0.007)
Control mean	[0.249]	[0.292]	[0.863]
N	14,354	72,933	36,519
Panel C: Model selection	of linear & gr	uadratic state i	trends
Foreign STEM Exposure	-0.052***	-0.026*	0.005
	(0.017)	(0.013)	(0.010)
Control mean	[0.249]	` ′	[0.863]
N	14,354	72,933	36,519
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Notes: Panel A reproduces the estimates from column 1 of Table 2 Panel C, the column 3 of Table 5 Panel B, and the column 4 of Table 6 Panel B. Panel B presents estimates without state trends. Panels C and D presents estimates using the model selection method of Belloni, Chernozhukov, and Hansen (2014) and implementation by Ahrens, Hansen, and Schaffer (2018), where the model selects among linear and quadratic state trends. \*Statistically significant at the .10 level; \*\* at the .05 level; \*\*\* at the .01 level.

Table B2: Robustness of length of time horizon

	Black	White	White
	Male	Male	Female
7.00			
Effect	STEM BA	STEM Occ.	Prior Yr Empl.
Panel A: Five years before	and after		
Foreign STEM Exposure	-0.101***	-0.054***	-0.019
	(0.032)	(0.013)	(0.013)
Control mean	[0.252]	[0.291]	[0.864]
N	17,752	91,515	46,043
Panel B: Six years before	and after		
Foreign STEM Exposure	-0.116***	-0.050***	-0.015
	(0.022)	(0.011)	(0.012)
Control mean	[0.257]	[0.290]	[0.863]
N	21,293	110,192	55,794
Panel C: Five years before	e (including 1	990) and four	years after
Foreign STEM Exposure	-0.051**	-0.034***	-0.039***
	(0.025)	(0.009)	(0.011)
Control mean	[0.247]	[0.293]	[0.864]
N	16,204	81,872	41,203

Notes: This table presents sensitivity of our results as we change the number of birth cohorts in the sample. Panel A includes those turning 18 between 1985 and 1995 (excluding 1990). Panel B includes year age 18 cohorts between 1994 and 1996 (excluding 1990). Panel C includes those turning 18 between 1986 and 1994, including 1990. \*Statistically significant at the .10 level; \*\* at the .05 level; \*\*\* at the .01 level.

Table B3: Robustness of exclusion or inclusion of various states

Ess. 4	Black Male	White Male	White Female
Effect	STEM BA	STEM Occ.	Prior Yr Empl.
Panel A: Excluding Califo			
Foreign STEM Exposure	-0.087**	-0.041***	-0.043**
	(0.042)	(0.012)	(0.018)
N	13,360	67,091	33,614
Panel B: Excluding Florid	la		
Foreign STEM Exposure	-0.081**	-0.058***	-0.037**
	(0.037)	(0.014)	(0.016)
N	13,632	71,027	35,590
Panel C: Excluding Illinoi	S		
Foreign STEM Exposure	-0.079**	-0.057***	-0.044***
- *	(0.040)	(0.016)	(0.015)
N	13,310	68,529	34,453
Panel D: Excluding New Y	ork (		
Foreign STEM Exposure	-0.058	-0.061***	-0.031*
1	(0.038)	(0.016)	(0.018)
N	12,701	66,228	33,033
Panel E: Excluding Texas			
Foreign STEM Exposure	-0.085**	-0.058***	-0.038**
	(0.035)	(0.014)	(0.016)
N	13,453	69,227	34,689
Panel F: Excluding Washi	noton		
Foreign STEM Exposure	-0.085**	-0.057***	-0.038**
	(0.036)	(0.014)	(0.016)
N	14,269	71,651	35,876
Panel G: Including merit s	states		
Foreign STEM Exposure	-0.078**	-0.053***	-0.036**
1 0101811 0 1 Elli Exposure	(0.035)	(0.015)	(0.015)
N	15,722	77,088	38,585
Panel H: Excluding 13 sm	allest states		
Foreign STEM Exposure	-0.087**	-0.056***	-0.031*
1 oroign of Livi Exposure	(0.036)	(0.015)	(0.016)
N	13,687	69,293	34,586
Dan al I. Eval- J- MV - 1	tato tuc 1-		
Panel I: Exclude NY and s Foreign STEM Exposure	-0.048***	-0.015	0.010
1 oroigii o i Elvi Exposuic	(0.018)	(0.013)	(0.007)
N	12,701	66,228	33,033
Danal I. Evaluda NV 1	than nalian	indow	
Panel J: Exclude NY, length	nen poucy w -0.097**	inaow -0.056***	0.012
Foreign STEM Exposure	(0.038)		-0.012 (0.014)
N	15,712	(0.015) 83,087	(0.014) 41,664
11	13,/12	05,007	71,004

Notes: This table presents estimates of our three primary findings under various sample selection alternatives. We sequentially exclude the most popular immigrant destinations, as well as the 13 smallest states (each of which had population of less than 1 million in 1980). We also include the merit states and present sensitivity analyses for when New York is excluded. Due to space constraints, we exclude reports of the control group's average outcome. \*Statistically significant at the .10 level; \*\*\* at the .05 level; \*\*\* at the .01 level.

Table B4: Robustness of specification of state controls

	Black	White	White
	Male	Male	Female
Effect	STEM BA	STEM Occ.	Prior Yr Empl.
Panel A: Adding 1980 sha	re BA workin	g in STEM	
Foreign STEM Exposure	-0.081**	-0.055***	-0.038***
	(0.036)	(0.014)	(0.015)
Control mean	[0.249]	[0.292]	[0.863]
N	14,354	72,933	36,519
Panel B: Adding 1990 sha	re BA workin	g in STEM	
Foreign STEM Exposure	-0.081**	-0.058***	-0.037**
	(0.037)	(0.014)	(0.016)
Control mean	[0.249]	[0.292]	[0.863]
N	13,632	71,027	35,590
Panel C: Excluding state of	control varial	oles	
Foreign STEM Exposure	-0.079**	-0.057***	-0.044***
	(0.040)	(0.016)	(0.015)
Control mean	[0.249]	[0.292]	[0.863]
N	13,310	68,529	34,453

Notes: Panel A adds as an additional control the 1980 share of native college graduates in the state employed in STEM occupations interacted with the post-IA90 dummy. Panel B adds as an additional control the 1990 share of native college graduates in the state employed in STEM occupations interacted with the post-IA90 dummy. Panel C excludes all time-varying state control variables. \*Statistically significant at the .10 level; \*\* at the .05 level; \*\*\* at the .01 level.

Table B5: Alternative definitions for foreign STEM exposure

	Black	White	White			
	Male	Male	Female			
Effect	STEM BA	STEM Occ.	Prior Yr Empl.			
Panel A: Alternate definiti	on of STEM o	occupations				
Foreign STEM Exposure	-0.087***	-0.042***	-0.033**			
	(0.028)	(0.013)	(0.014)			
Control mean	[0.249]	[0.292]	[0.863]			
N	14,354	72,933	36,519			
Panel B: 1980 share colleg	ge of graduat	es instead of 19	980 share of STEM workers			
Foreign STEM Exposure	-0.132***	-0.068***	-0.053***			
	(0.041)	(0.022)	(0.019)			
Control mean	[0.249]	[0.292]	[0.863]			
N	14,354	72,933	36,519			
Panel C: 1980 share of non-STEM workers instead of 1980 share of STEM workers						
Foreign STEM Exposure	-0.137***	-0.068***	-0.055***			
	(0.041)	(0.023)	(0.019)			
N	14,354	72,933	36,519			

Notes: This table presents estimates using alternative definitions of foreign STEM exposure. Panel A considers a broader set of STEM occupations (see Table A2). Panel B considers using the 1980 share of college graduates rather than the 1980 share of college graduates working in STEM occupations. Panel C uses the 1980 share of college graduates working in non-STEM occupations. \*Statistically significant at the .10 level; \*\* at the .05 level; \*\*\* at the .01 level.

Table B6: Additional analysis for STEM occupational outcomes using broader definition

Effect	Black	Black	White	White				
Effect	Men	Women	Men	Women				
Panel A: Works in STEM o	Panel A: Works in STEM occupation, conditional on BA graduation							
Foreign STEM Exposure	0.001	-0.015	-0.022***	-0.000				
	(0.024)	(0.014)	(0.007)	(0.003)				
Control mean	[0.133]	[0.053]	[0.150]	[0.049]				
N	14,354	26,274	241,807	283,569				
Panel B: Works in STEM o	occupation	ı, conditio	nal on STEM	BA graduation				
Foreign STEM Exposure	0.048	-0.130*	-0.063***	-0.027				
	(0.078)	(0.078)	(0.013)	(0.019)				
Control mean	[0.347]	[0.251]	[0.368]	[0.243]				
N	3,679	3,495	72,933	36,519				
Panel C: Works in STEM o	occupation	n, conditio	nal on non-S	TEM BA graduation				
Foreign STEM Exposure	0.004	0.001	-0.003	0.002				
<del>-</del>	(0.020)	(0.008)	(0.005)	(0.003)				
Control mean	[0.048]	[0.024]	[0.061]	[0.024]				
N	10,675	22,779	168,874	247,050				

Notes: This table presents results similar to Table 5, but where current STEM occupation is more broadly defined (see Table A2). \*Statistically significant at the .10 level; \*\*\* at the .05 level; \*\*\* at the .01 level.

Table B7: Discrete Treatment Based on Exposure State Groups

Effect	Black Male STEM BA	White Male STEM Occ.	White Female Prior Yr Empl.
Medium Foreign STEM Exposure	0.049	-0.015	-0.045*
	(0.044)	(0.019)	(0.025)
High Foreign STEM Exposure	-0.105**	-0.068***	-0.052*
	(0.045)	(0.023)	(0.026)
Control mean	[0.249]	[0.292]	[0.863]
N	14,354	72,933	36,519

Notes: This table estimates our main regression model using a discretized version of exposure. States are classified as low-, medium-, or high-exposure based on terciles of the exposure distribution. The coefficients reported represent the change in the outcome variable by moving across exposure terciles (either from low to medium or from low to high). \*Statistically significant at the .10 level; \*\* at the .05 level; \*\*\* at the .01 level.

Table B8: Detailed STEM occupation employment for STEM graduates

	Engineering	Computers	Math & Science
Panel A: White Men			
Foreign STEM Exposure	-0.026**	-0.037***	0.002
	(0.011)	(0.012)	(0.006)
Control mean	[0.123]	[0.137]	[0.034]
N	72,933	72,933	72,933
Panel B: White Women			
Foreign STEM Exposure	-0.012	-0.014	-0.012
	(0.011)	(0.010)	(0.013)
Control mean	[0.036]	[0.060]	[0.038]
N	36,519	36,519	36,519

Notes: This table decomposes the effects reported in Panel B of Table 5 for white men and women. Here, each dependent variable is a dummy for being employed in a specific STEM occupation (rather than any STEM occupation as considered in Table 5). The sum of the coefficients across columns equals the coefficient reported in Panel B of Table 5. \*Statistically significant at the .10 level; \*\* at the .05 level; \*\*\* at the .01 level.

Table B9: Employment outcomes, conditional on graduation in a STEM field

	Black	Black	White	White		
Effect	Men	Women	Men	Women		
Panel A: Unemployment, conditional on STEM BA graduation						
Foreign STEM Exposure 0.002 -0.039 0.009 0.001						
1 01 <b>018</b> 11 2 1 2 1 1 2 1 1 0 0 0 0 1 0	(0.036)	(0.025)	(0.006)	(0.008)		
Control mean	[0.035]	[0.042]	[0.022]	[0.024]		
N	3,679	3,495	72,933	36,519		
Panel B: Not in Labor For	ce, conditio	nal on ST	EM BA gr	aduation		
Foreign STEM Exposure	-0.065**	0.072	0.003	0.027*		
	(0.031)	(0.069)	(0.007)	(0.016)		
Control mean	[0.049]	[0.106]	[0.030]	[0.152]		
N	3,679	3,495	72,933	36,519		
Panel C: Worked at all in	last five yea	rs, conditi	onal on S'	ГЕМ ВА		
Foreign STEM Exposure	0.039	0.045	0.000	-0.041***		
	(0.028)	(0.033)	(0.005)	(0.012)		
Control mean	[0.976]	[0.937]	[0.987]	[0.911]		
N	3,679	3,495	72,933	36,519		

Notes: Dependent variable is an indicator for either (a) unemployment; (b) not participating in labor force; or (c) working at all in the previous five years. All samples are conditional on graduation in a STEM field. \*Statistically significant at the .10 level; \*\* at the .05 level; \*\*\* at the .01 level.

Table B10: Placebo results

Effect	Black	White	White
	Male	Male	Female
	STEM BA	STEM Occ.	Prior Yr Empl.
Foreign STEM Exposure	0.062	-0.005	0.010
Control mean N	(0.047)	(0.011)	(0.023)
	[0.261]	[0.284]	[0.863]
	15,393	83,917	38,585

Note: This table presents results from a placebo setting where we consider individuals who turn 18 years old between 1981-1989, and where we consider 1985 as the year the policy was instituted. Individuals turning 18 in 1986-1989 are considered to be treated, while those turning 18 in 1981-1984 serve as controls. The reported estimates should be compared with those reported in the first column of Table 2 Panel C, the third column of Table 5 Panel B, and the last column of Table 6 Panel B.

Table B11: Treatment of pre-1990 cohorts

Effect	Black	White	White
	Male	Male	Female
	STEM BA	STEM Occ.	Prior Yr Empl.
Foreign STEM Exposure, 86-89 cohorts	0.021	-0.009	-0.026**
	(0.035)	(0.010)	(0.012)
Foreign STEM Exposure, 91-94 cohorts	-0.023	-0.037*	-0.053**
Control mean N	(0.060)	(0.022)	(0.022)
	[0.268]	[0.285]	[0.861]
	21,865	115,843	56,205

Note: This table presents results from a setting where we consider individuals who turn 18 years old between 1982-1994, with 1990 as the year the policy was instituted. Individuals turning 18 in 1986-1989 are considered to be one treatment group, those turning 18 in 1991-1994 as a different treatment group, and those turning 18 in 1982-1985 serve as controls. The reported estimates should be compared with those reported in the first column of Table 2 Panel C, the third column of Table 5 Panel B, and the last column of Table 6 Panel B.

Table B12: Birth-State Foreign STEM Exposure and Recently Holding a STEM Occupation

Effect	Black Men	Black Women	White Men	White Women			
Panel A: Conditional on college graduation in any field							
Foreign STEM Exposure	-0.001	0.001	-0.021***	-0.001			
	(0.029)	(0.016)	(0.005)	(0.003)			
Control mean	[0.096]	[0.037]	[0.124]	[0.032]			
N	14,354	26,274	241,807	283,569			
Panel B: Conditional on c Foreign STEM Exposure  Control mean N	ollege gra 0.042 (0.075) [0.274] 3,679	-0.064	-0.060*** (0.014)	d -0.039*** (0.015) [0.142] 36,519			
Panel C: Conditional on college graduation in a non-STEM field Foreign STEM Exposure 0.005 0.007 -0.004 0.003							
Control mean	(0.019) [0.037]	[0.018]	` /	(0.002) [0.018]			
N	10,675	22,779	168,874	247,050			

Notes: Dependent variable is an indicator for recently holding a STEM occupation, conditional on various educational outcomes. Compare with Table 5. \*\*Statistically significant at the .05 level; \*\*\* at the .01 level.

Table B13: Birth-State Foreign STEM Exposure and Current Employment Probability

Effect	Black Men	Black Women	White Men	White Women			
Panel A: Conditional on college graduation in any field							
Foreign STEM Exposure	0.008	0.000	0.002	-0.013			
	(0.023)	(0.020)	(0.003)	(0.008)			
Control mean	[0.894]	[0.873]	[0.938]	[0.808]			
N	14,354	26,274	241,807	283,569			
Panel B: Conditional on c Foreign STEM Exposure Control mean	ollege gra 0.063 (0.055) [0.895] 3,679	duation in -0.033 (0.062) [0.878] 3,495	a STEM fi -0.012 (0.008) [0.947] 72,933	-0.028 (0.019) [0.824] 36,519			
Panel C: Conditional on college graduation in a non-STEM field Foreign STEM Exposure -0.014 0.006 0.009 -0.011 (0.025) (0.021) (0.005) (0.008)							
Control mean	[0.893]	[0.873]	[0.934]	[0.806]			
N	10,675	22,779	168,874	247,050			

Notes: Dependent variable is an indicator for being currently employed, conditional on various educational outcomes. Compare with Table 6.

Table B14: Birth-State Foreign STEM Exposure and Log Earnings

Effect	Black Men	Black Women	White Men	White Women				
Panel A: Conditional on college graduation in any field								
Foreign STEM Exposure								
	(0.083)	(0.050)	(0.023)	(0.022)				
Control mean	[10.923]	[10.679]	[11.272]	[10.620]				
N	13,278	24,096	234,168	242,328				
Panel B: Conditional on college graduation in a STEM field								
Foreign STEM Exposure	-0.039	-0.057	-0.053	-0.030				
	(0.137)	(0.118)	(0.032)	(0.063)				
Control mean	[11.096]	[10.893]	[11.406]	[10.865]				
N	3,407	3,218	70,972	31,794				
Panel C: Conditional on college graduation in a non-STEM field								
Foreign STEM Exposure	-0.102	0.015	0.004	0.019				
	(0.094)	(0.064)	(0.023)	(0.024)				
Control mean	[10.865]	[10.650]	[11.217]	[10.588]				
N	9,871	20,878	163,196	210,534				

Notes: Dependent variable is the log of total earned income from the year prior to the survey, conditional on various educational outcomes. See notes in Table 2 for further details.

Table B15: Separate Cross-Section Regressions for Pre- and Post-1990 Cohorts

Effect	Black Men	Black Women				
Panel A: STEM Major, 1986–1989 Cohorts						
Foreign STEM Exposure	-0.001	-0.006	-0.017***	-0.001		
1 ofeign of Livi Exposure	(0.013)	(0.007)	(0.006)	(0.003)		
Control mean	[0.249]	[0.119]	[0.291]	[0.116]		
N	7,694	13,652	131,919	151,652		
11	7,071	13,032	131,717	. 131,032		
Panel B: STEM Major, 199	91–1994 C	Cohorts				
Foreign STEM Exposure	-0.032*	-0.003	-0.031**	-0.005		
-	(0.017)	(0.008)	(0.014)	(0.005)		
Control mean	[0.253]	[0.135]	[0.306]	[0.138]		
N	6,660	12,622	109,888	131,917		
Panel C: STEM Occupation	on given ST	TEM BA, 19	986–1989 Co	horts		
Foreign STEM Exposure	-0.013	-0.008	0.000	-0.002		
	(0.027)	(0.026)	(0.010)	(0.008)		
Control mean	[0.260]	[0.159]	[0.292]	[0.131]		
N	1,938	1,693	38,791	17,856		
Down of D. CTEM O a comment.	: C'	TEM DA 1	001 1004 C-	14		
Panel D: STEM Occupation	0		-0.030***			
Foreign STEM Exposure	0.016	-0.047*		-0.026**		
Control moon	(0.031)	(0.028) [0.151]	(0.011) [0.300]	(0.011) [0.130]		
Control mean N	[0.239] 1,741					
IV	1,/41	1,802	34,142	18,663		
Panel E: Worked Last Year	r given ST	EM BA. 198	86–1989 Coh	orts		
Foreign STEM Exposure	0.001	0.024	-0.007*	-0.007		
	(0.013)	(0.016)	(0.004)	(0.006)		
Control mean	[0.927]	[0.922]	[0.968]	[0.863]		
N	1,938	1,693	38,791	17,856		
Panel F: Worked Last Year	r given ST	EM BA, 199	91–1994 Coh	orts		
Foreign STEM Exposure	-0.013	-0.051**	-0.002	0.003		
	(0.018)	(0.023)	(0.004)	(0.009)		
Control mean	[0.928]					
N	1,741	1,802	34,142	18,663		

Notes: This table is a more detailed version of Table 7. See Table 7 for further details. \*Statistically significant at the .10 level; \*\*\* at the .05 level; \*\*\* at the .01 level.

Table B16: Instrumental Variable Effects of Birth-State Foreign STEM Exposure on STEM Degree Completion

Effect	Black Men	Black Women	White Men	White Women			
Panel A: STEM graduation, unconditional of education level							
Foreign STEM Exposure	-0.034*	0.000	000 -0.002 0.0				
	(0.018)	(0.010)	(0.010)	(0.005)			
Control mean	[0.041]	[0.029]	[0.101]	[0.045]			
N	93,505	102,128	685,261	687,311			
Panel B: BA graduation Foreign STEM Exposure Control mean N	-0.007 (0.026) [0.164] 93,505	-0.003 (0.028) [0.241] 102,128	0.001 (0.011) [0.348] 685,261	-0.009 (0.011) [0.391] 687,311			
Panel C: STEM graduation, conditional on BA graduation							
Foreign STEM Exposure	-0.174*	-0.003	-0.014	0.016			
	(0.089)	(0.046)	(0.030)	(0.012)			
Control mean	[0.249]	[0.119]	[0.291]	[0.116]			
N	14,354	26,273	241,807	283,569			

Notes: Dependent variable is an indicator for either (a) graduating in a STEM field, unconditional on education level; (b) graduating with a bachelor's degree in any field; or (c) graduating with a bachelor's degree in a STEM field. Each coefficient is estimated from a different linear probability model using two-stage least squares, where 1990-2000 foreign STEM growth is instrumented by 1980 foreign STEM exposure. \*Statistically significant at the .10 level.

Table B17: IV Effects of Birth-State Foreign STEM Exposure on Current Employment in a STEM Occupation

	Black	Black	White	White	
Effect	Men	Women	Men	Women	
Panel A: Conditional on college graduation in any field					
Foreign STEM Exposure	0.016	0.003	-0.041***	-0.001	
	(0.057)	(0.030)	(0.012)	(0.005)	
Control mean	[0.090]	[0.034]	[0.120]	[0.030]	
N	14,354	26,273	241,807	283,569	
Panel B: Conditional on c	ollege gra	duation in	a STEM fiel	d	
Foreign STEM Exposure	0.130	-0.103	-0.115***	-0.073*	
	(0.154)	(0.170)	(0.025)	(0.040)	
Control mean	[0.260]	[0.159]	[0.292]	[0.131]	
N	3,676	3,492	72,933	36,519	
Panel C: Conditional on c	ollege gra	iduation in	a non-STEN	1 field	
Foreign STEM Exposure	0.014	0.013	-0.007	0.007	
	(0.036)	(0.012)	(0.009)	(0.005)	
Control mean	[0.033]	[0.017]	[0.050]	[0.016]	
N	10,673	22,778	168,874	247,050	

Notes: Dependent variable is an indicator for current employment in a STEM occupation, conditional on various educational outcomes. See notes in Tables 2 and 5 for further details. \*Statistically significant at the .10 level; \*\*\* at the .01 level.

Table B18: IV Effects of Birth-State Foreign STEM Exposure on Prior Year Employment Probability

	Black	Black	White	White		
Effect	Men	Women	Men	Women		
Panel A: Conditional on college graduation in any field						
Foreign STEM Exposure	0.058	0.032	0.019***	-0.016		
	(0.037)	(0.037)	(0.006)	(0.011)		
Control mean	[0.929]	[0.913]	[0.965]	[0.854]		
N	14,354	26,273	241,807	283,569		
Panel B: Conditional on c	ollege gra	duation in	a STEM fie	ld		
Foreign STEM Exposure	0.098	-0.045	-0.001	-0.075**		
	(0.109)	(0.084)	(0.009)	(0.034)		
Control mean	[0.927]	[0.922]	[0.968]	[0.863]		
N	3,676	3,492	72,933	36,519		
Panel C: Conditional on c	ollege gra	iduation in	a non-STE	M field		
Foreign STEM Exposure	0.040	0.046	0.029***	-0.009		
	(0.042)	(0.044)	(0.009)	(0.012)		
Control mean	[0.930]	[0.912]	[0.963]	[0.852]		
N	10,673	22,778	168,874	247,050		

Notes: Dependent variable is an indicator for being employed in the prior year, conditional on various educational outcomes. See notes in Tables 2 and 6 for further details. \*\* Statistically significant at the .05 level; \*\*\* at the .01 level.

Table B19: Back-of-the-Envelope Calculations

	1990–2010				
		Change in			Weighted
	Coefficient	Treatment	Group	Population	Average Wage
	Estimate	Variable	Effect	Weight	Effect
Current Study's Negative Effects					
Wage of Black Male College Graduates	-0.101	1.487	-0.150	0.015	-0.002
Wage Effect from Non-Employment of Female STEM Graduates	-0.037	1.487	-0.055	0.050	-0.003
Wage of Other STEM Graduates	-0.053	1.487	-0.079	0.092	-0.007
Subtotal					-0.012
Peri, Shih, and Sparber (2015) Net Positive Effects					
Wage of College Educated	0.080	0.530	0.043	0.3	0.013
Wage of Non-College	0.038	0.530	0.020	0.7	0.014
Subtotal					0.027
Gross Average Positive Effect					0.039

Notes: Population weights for negative effects are chosen somewhat as upper bounds since STEM education by women and minorities may be historically below the steady-state that would occur in the absence of discrimination and other barriers.

Specifically, the population weights are computed from a number of simplifying assumptions as follows:

- $\cdot$  Black male college graduates: 6% of population is black men; 25% of this group graduate from college. (.06 \* .25 = .015)
- $\cdot$  Female STEM graduates: 10% of population is STEM graduates; 50% of this group (should be) women. (.10 \* .50 = .05)
- $\cdot$  Other STEM graduates: 10% of the population is STEM graduates; don't double count black men (6%) or women who left the labor force (3.7% of 50%). ([1-0.06-0.037\*0.50]\*0.10 = .092)

Coefficient estimates for the current study respectively come from the following sources:

- · Table B14, Panel A
- · Table 6, Panel B
- · Table B14, Panel B

Coefficient estimates for Peri, Shih, and Sparber (2015) come from Table 5, Row 1 of that study.

Change in treatment variable for the current study is computed by the authors. Change in treatment variable for Peri, Shih, and Sparber (2015) is taken from Tables 2 and 3 of that study.