

2019

Appendix 2 from "The impact of exposure to missionaries on the English language proficiency and earnings of immigrants in the US"

Nicholas Larsen
Eastern Washington University

Follow this and additional works at: https://dc.ewu.edu/data_sets

Recommended Citation

Larsen, Nicholas, "Appendix 2 from "The impact of exposure to missionaries on the English language proficiency and earnings of immigrants in the US"" (2019). *Data Sets*. 2.
https://dc.ewu.edu/data_sets/2

This Data Set is brought to you for free and open access by EWU Digital Commons. It has been accepted for inclusion in Data Sets by an authorized administrator of EWU Digital Commons. For more information, please contact jotto@ewu.edu.

Appendix 2

Missionaries
on the English
language
proficiency

Foreign-born males Variable	Obs	Mean	SD	Min.	Max.
Good English	388,279	0.6949848	0.4604145	0	1
Ln adjusted total earnings	388,279	10.34335	0.9213317	6.907235	13.80359
Adjusted total earnings	388,279	44,365.57	52,657.18	1,000	974,000
Married/cohabitating	388,279	0.6487835	0.4773511	0	1
Age	388,279	41.26842	10.0922	25	64
Age at migration	388,279	23.08099	10.70718	0	64
Schooling	388,279	12.19508	4.579726	0	20
Years since migration (YSM)	388,279	18.19105	11.23807	0	64
YSM squared	388,279	457.2081	504.1203	0	4,096
South	388,279	0.3173259	0.4654361	0	1
Experience	388,279	24.07333	10.99609	0	59
Experience squared	388,279	700.4391	590.8389	0	3,481
Catholic missionary	388,279	1.317895	1.088348	0	15.38088
Protestant missionary	388,279	0.3271688	0.526037	0	9.05131
Ln weeks worked	388,279	3.793636	0.3942051	1.94591	3.931826

Source: American Community Survey 2005–2009

Table AII.
Descriptive statistics
of the variables for
foreign-born males

Foreign-born females Variable	Obs	Mean	SD	Min.	Max.
Good English	301,182	0.721318	0.4483514	0	1
Ln adjusted total earnings	301,182	9.924858	1.049314	6.907235	13.61898
Adjusted total earnings	301,182	31,063.9	35,387.32	1,000	822,000
Married/cohabitating	301,182	0.6184666	0.4857638	0	1
Age	301,182	42.08481	10.01132	25	64
Age at migration	301,182	23.14471	11.12901	0	64
Schooling	301,182	12.77493	4.200978	0	20
Years since migration (YSM)	301,182	18.94502	11.32683	0	65
YSM Squared	301,182	487.2106	525.0929	0	4225
Kid	301,182	0.4931669	0.4999541	0	1
South	301,182	0.3012995	0.4588233	0	1
Experience	301,182	24.30988	11.17408	0	59
Experience squared	301,182	715.8297	592.7911	0	3,481
Catholic missionary	301,182	1.243393	1.190112	0	15.38088
Protestant missionary	301,182	0.3708247	0.6175488	0	9.05131
Ln weeks worked	301,182	3.694889	0.5277216	1.94591	3.931826

Notes: Foreign-born males and females aged 25–64 years who worked in the previous year. Adjusted total earnings means earnings adjusted for price differences in each year, expressed in 2009 dollars

Source: American Community Survey, PUMS, 2005–2009

Table AIII.
Descriptive statistics
of the variables for
foreign-born females

Table AIV.
Analysis of English language proficiency among foreign-born adult males by origin country colonial heritage, with interaction variables and year fixed effects

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Married spouse present	0.0578*** (0.0018)	0.0030 (0.0025)	0.0617*** (0.0020)	0.0021 (0.0060)	0.0754*** (0.0023)
Age at migration	-0.0067*** (0.0001)	-0.0026*** (0.0002)	-0.0076*** (0.0001)	-0.0105*** (0.0003)	-0.0069*** (0.0001)
Schooling	0.0473*** (0.0004)	0.0178*** (0.0007)	0.0470*** (0.0005)	0.0277*** (0.0016)	0.0435*** (0.0011)
Years since migration	0.0106*** (0.0002)	0.0028*** (0.0004)	0.0131*** (0.0003)	0.0074*** (0.0013)	0.0194*** (0.0004)
YSM squared	-0.0002*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0002*** (0.0000)	-0.0003*** (0.0000)
Catholic missionary	-0.0633*** (0.0037)	-0.0402*** (0.0061)	-0.0276*** (0.0041)	-0.5308*** (0.0427)	0.0426*** (0.0064)
Catholic x schooling	-0.0007*** (0.0002)	0.0021*** (0.0004)	-0.0019*** (0.0003)	0.0121*** (0.0025)	-0.0022*** (0.0005)
Catholic x YSM	0.0026*** (0.0001)	0.0002* (0.0001)	0.0021*** (0.0001)	0.0111*** (0.0009)	-0.0001 (0.0001)
Protestant missionary	0.3573*** (0.0084)	0.1188*** (0.0096)	0.2687*** (0.0158)	0.6053*** (0.0445)	0.1240*** (0.0330)
Protestant x schooling	-0.0121*** (0.0005)	-0.0063*** (0.0006)	-0.0033*** (0.0010)	-0.0179*** (0.0026)	0.0082*** (0.0023)
Protestant x YSM	-0.0047*** (0.0001)	-0.0006*** (0.0001)	-0.0056*** (0.0002)	-0.0109*** (0.0008)	-0.0058*** (0.0005)
GDP origin year migrate	-0.0081*** (0.0002)	0.0018*** (0.0002)	-0.0071*** (0.0002)	0.0349*** (0.0035)	-0.0141*** (0.0004)
y2005	-0.0056* (0.0026)	-0.0026 (0.0034)	-0.0053 (0.0030)	-0.0032 (0.0086)	-0.0073* (0.0036)
y2006	-0.0078** (0.0025)	0.0003 (0.0030)	-0.0089** (0.0028)	-0.0110 (0.0085)	-0.0092** (0.0034)
y2007	-0.0050* (0.0025)	0.0007 (0.0029)	-0.0056* (0.0028)	-0.0018 (0.0081)	-0.0063 (0.0033)
y2008	-0.0040 (0.0025)	-0.0074* (0.0033)	-0.0044 (0.0028)	-0.0019 (0.0081)	-0.0051 (0.0033)
Constant	0.1726*** (0.0079)	0.7166*** (0.0125)	0.1216*** (0.0095)	0.6435*** (0.0333)	0.0462** (0.0169)
Observations	388,279	59,507	328,772	26,050	243,080
R^2	0.3201	0.0980	0.2902	0.2970	0.2650
Adj. R^2	0.320	0.0978	0.290	0.297	0.265
Mean	0.658	0.964	0.607	0.777	0.553
SD	0.474	0.187	0.488	0.416	0.497

Notes: Dependent variable: GoodEnglish. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Sources: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Married spouse present	0.0270*** (0.0019)	-0.0242*** (0.0023)	0.0345*** (0.0021)	-0.0084 (0.0073)	0.0427*** (0.0026)
Age at migration	-0.0066*** (0.0001)	-0.0020*** (0.0001)	-0.0077*** (0.0001)	-0.0107*** (0.0004)	-0.0072*** (0.0001)
Schooling	0.0510*** (0.0005)	0.0223*** (0.0009)	0.0495*** (0.0005)	0.0374*** (0.0016)	0.0625*** (0.0012)
Years since migration	0.0087*** (0.0003)	0.0040*** (0.0004)	0.0096*** (0.0003)	0.0093*** (0.0015)	0.0128*** (0.0004)
YSM squared	-0.0001*** (0.0000)	-0.0001*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0002*** (0.0000)
Kids	-0.0235*** (0.0019)	0.0033 (0.0022)	-0.0292*** (0.0022)	-0.0204** (0.0071)	-0.0268*** (0.0027)
Catholic missionary	-0.0983*** (0.0049)	-0.0415*** (0.0066)	-0.0888*** (0.0046)	-0.3605*** (0.0410)	0.0570*** (0.0075)
Catholic x schooling	0.0033*** (0.0003)	0.0023*** (0.0004)	0.0025*** (0.0003)	0.0021 (0.0025)	-0.0053*** (0.0005)
Catholic x YSM	0.0017*** (0.0001)	0.0002 (0.0001)	0.0018*** (0.0001)	0.0106*** (0.0011)	0.0009*** (0.0001)
Protestant missionary	0.4312*** (0.0085)	0.1548*** (0.0093)	0.3683*** (0.0195)	0.5626*** (0.0488)	0.3652*** (0.0350)
Protestant x schooling	-0.0179*** (0.0005)	-0.0084*** (0.0006)	-0.0083*** (0.0012)	-0.0134*** (0.0029)	-0.0059* (0.0024)
Protestant x YSM	-0.0045*** (0.0001)	-0.0009*** (0.0001)	-0.0063*** (0.0002)	-0.0123*** (0.0009)	-0.0076*** (0.0005)
GDP origin year migrate	-0.0069*** (0.0002)	0.0025*** (0.0002)	-0.0067*** (0.0002)	0.0439*** (0.0051)	-0.0176*** (0.0004)
y2005	-0.0050 (0.0027)	0.0002 (0.0036)	-0.0058 (0.0031)	0.0045 (0.0099)	-0.0086* (0.0038)
y2006	-0.0044 (0.0026)	0.0027 (0.0033)	-0.0063* (0.0030)	-0.0046 (0.0099)	-0.0074* (0.0037)
y2007	-0.0006 (0.0026)	0.0044 (0.0032)	-0.0014 (0.0030)	0.0103 (0.0094)	-0.0034 (0.0036)
y2008	-0.0007 (0.0026)	0.0065* (0.0031)	-0.0021 (0.0029)	0.0040 (0.0095)	-0.0046 (0.0036)
Constant	0.1393*** (0.0095)	0.6196*** (0.0157)	0.1487*** (0.0105)	0.4052*** (0.0369)	-0.0608** (0.0191)
Observations	301,182	46,223	254,959	22,582	176,282
R ²	0.3557	0.1249	0.3391	0.3493	0.3416
Adj. R ²	0.356	0.125	0.339	0.349	0.342
Mean	0.698	0.960	0.651	0.688	0.602
SD	0.459	0.195	0.477	0.463	0.489

Notes: Dependent variable: GoodEnglish. Foreign-born persons aged 25–64, years who worked in the prior year. 2009 is the benchmark for the year fixed effects

Sources: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Missionaries on the English language proficiency

Table AV.
Analysis of English
language proficiency
among foreign-born
adult females by
origin country colonial
heritage, with
interaction variables
and year fixed effects

Table AVI.
Analysis of English language proficiency among foreign-born adult males by origin country colonial heritage: catholic missionary only, with interaction variables and year fixed effects

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Married spouse present	0.0568*** (0.0018)	0.0022 (0.0025)	0.0616*** (0.0020)	0.0052 (0.0061)	0.0753*** (0.0023)
Age at migration	-0.0064*** (0.0001)	-0.0025*** (0.0002)	-0.0074*** (0.0001)	-0.0109*** (0.0003)	-0.0068*** (0.0001)
Schooling	0.0442*** (0.0004)	0.0124*** (0.0005)	0.0456*** (0.0004)	0.0328*** (0.0013)	0.0448*** (0.0009)
Years since migration	0.0100*** (0.0002)	0.0030*** (0.0004)	0.0121*** (0.0003)	0.0158*** (0.0013)	0.0179*** (0.0004)
YSM squared	-0.0002*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0003*** (0.0000)	-0.0003*** (0.0000)
Catholic missionary	-0.0721*** (0.0040)	-0.0240*** (0.0058)	-0.0385*** (0.0041)	-0.1507*** (0.0263)	0.0338*** (0.0061)
Catholic x schooling	0.0005* (0.0002)	0.0013*** (0.0004)	-0.0010*** (0.0003)	0.0018 (0.0015)	-0.0018*** (0.0005)
Catholic x YSM	0.0025*** (0.0001)	0.0001 (0.0001)	0.0021*** (0.0001)	0.0020*** (0.0004)	-0.0000 (0.0001)
GDP origin year migrate	-0.0072*** (0.0002)	0.0034*** (0.0002)	-0.0059*** (0.0002)	0.0696*** (0.0029)	-0.0150*** (0.0004)
y2005	-0.0051 (0.0027)	-0.0015 (0.0034)	-0.0050 (0.0030)	-0.0000 (0.0087)	-0.0078* (0.0036)
y2006	-0.0074** (0.0025)	0.0008 (0.0030)	-0.0089** (0.0028)	-0.0078 (0.0086)	-0.0096** (0.0034)
y2007	-0.0049* (0.0025)	0.0010 (0.0030)	-0.0054 (0.0028)	0.0001 (0.0083)	-0.0066* (0.0033)
y2008	-0.0039 (0.0025)	-0.0075* (0.0033)	-0.0041 (0.0028)	-0.0019 (0.0081)	-0.0053 (0.0033)
Constant	0.2455*** (0.0079)	0.8075*** (0.0101)	0.1792*** (0.0086)	0.3811*** (0.0299)	0.0957*** (0.0126)
Observations	388,279	59,507	328,772	26,050	243,080
R ²	0.3053	0.0779	0.2867	0.2811	0.2641
Adj. R ²	0.305	0.0777	0.287	0.281	0.264
Mean	0.658	0.964	0.607	0.777	0.553
SD	0.474	0.187	0.488	0.416	0.497

Notes: Dependent variable: GoodEnglish. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Sources: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Married Spouse Present	0.0192*** (0.0019)	-0.0284*** (0.0023)	0.0332*** (0.0021)	-0.0077 (0.0074)	0.0413*** (0.0026)
Age at Migration	-0.0061*** (0.0001)	-0.0019*** (0.0001)	-0.0075*** (0.0001)	-0.0110*** (0.0004)	-0.0071*** (0.0001)
Schooling	0.0472*** (0.0005)	0.0142*** (0.0006)	0.0476*** (0.0005)	0.0380*** (0.0015)	0.0593*** (0.0009)
Years Since Migration	0.0083*** (0.0003)	0.0041*** (0.0004)	0.0087*** (0.0003)	0.0189*** (0.0014)	0.0109*** (0.0004)
YSM Squared	-0.0001*** (0.0000)	-0.0001*** (0.0000)	-0.0001*** (0.0000)	-0.0003*** (0.0000)	-0.0002*** (0.0000)
Kids	-0.0236*** (0.0019)	0.0040 (0.0023)	-0.0291*** (0.0022)	-0.0201** (0.0071)	-0.0264*** (0.0027)
Catholic missionary	-0.0990*** (0.0054)	-0.0192** (0.0064)	-0.0946*** (0.0046)	-0.1406*** (0.0329)	0.0352*** (0.0073)
Catholic x schooling	0.0040*** (0.0003)	0.0009* (0.0004)	0.0033*** (0.0003)	0.0004 (0.0019)	-0.0041*** (0.0005)
Catholic x YSM	0.0016*** (0.0001)	0.0000 (0.0001)	0.0017*** (0.0001)	0.0022*** (0.0006)	0.0010*** (0.0001)
GDP origin year migrate	-0.0058*** (0.0002)	0.0044*** (0.0003)	-0.0053*** (0.0002)	0.0837*** (0.0038)	-0.0184*** (0.0004)
y2005	-0.0029 (0.0028)	0.0012 (0.0037)	-0.0048 (0.0031)	0.0084 (0.0099)	-0.0083* (0.0038)
y2006	-0.0020 (0.0027)	0.0042 (0.0033)	-0.0054 (0.0030)	0.0000 (0.0099)	-0.0074* (0.0037)
y2007	0.0010 (0.0026)	0.0054 (0.0032)	-0.0006 (0.0030)	0.0132 (0.0095)	-0.0032 (0.0036)
y2008	0.0005 (0.0026)	0.0074* (0.0032)	-0.0015 (0.0029)	0.0055 (0.0096)	-0.0043 (0.0036)
Constant	0.2200*** (0.0097)	0.7571*** (0.0124)	0.2141*** (0.0097)	0.1985*** (0.0349)	0.0645*** (0.0151)
Observations	301,182	46,223	254,959	22,582	176,282
R ²	0.3317	0.0896	0.3346	0.3377	0.3394
Adj. R ²	0.332	0.0894	0.335	0.337	0.339
Mean	0.698	0.960	0.651	0.688	0.602
SD	0.459	0.195	0.477	0.463	0.489

Notes: Dependent variable: GoodEnglish. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. ** $p < 0.01$; * $p < 0.05$; *** $p < 0.001$.

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Table AVII.
Analysis of English
language proficiency
among foreign-born
adult females by
origin country colonial
heritage: catholic
missionary only, with
interaction variables
and year fixed effects

Table AVIII.
Analysis of English language proficiency among foreign-born adult males by origin country colonial heritage: protestant missionary only, with interaction variables and year fixed effects

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Married spouse present	0.0625*** (0.0018)	0.0024 (0.0025)	0.0636*** (0.0020)	0.0039 (0.0061)	0.0755*** (0.0023)
Age at migration	-0.0064*** (0.0001)	-0.0026*** (0.0002)	-0.0073*** (0.0001)	-0.0109*** (0.0003)	-0.0068*** (0.0001)
Schooling	0.0484*** (0.0003)	0.0180*** (0.0007)	0.0452*** (0.0003)	0.0349*** (0.0009)	0.0384*** (0.0006)
Years since migration	0.0135*** (0.0002)	0.0027*** (0.0004)	0.0165*** (0.0003)	0.0120*** (0.0013)	0.0192*** (0.0003)
YSM squared	-0.0002*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0002*** (0.0000)	-0.0003*** (0.0000)
Protestant missionary	0.3526*** (0.0093)	0.0953*** (0.0083)	0.2752*** (0.0158)	0.2101*** (0.0314)	0.0453 (0.0320)
Protestant x schooling	-0.0131*** (0.0006)	-0.0049*** (0.0005)	-0.0046*** (0.0009)	-0.0087*** (0.0017)	0.0132*** (0.0023)
Protestant x YSM	-0.0040*** (0.0001)	-0.0005*** (0.0001)	-0.0051*** (0.0002)	-0.0026*** (0.0004)	-0.0056*** (0.0005)
GDP origin year migrate	-0.0099*** (0.0002)	0.0012*** (0.0002)	-0.0071*** (0.0002)	0.0305*** (0.0038)	-0.0132*** (0.0004)
y2005	-0.0074*** (0.0026)	-0.0023 (0.0034)	-0.0059* (0.0030)	-0.0058 (0.0088)	-0.0069 (0.0036)
y2006	-0.0092*** (0.0025)	0.0001 (0.0030)	-0.0093*** (0.0028)	-0.0129 (0.0086)	-0.0089*** (0.0034)
y2007	-0.0061* (0.0025)	0.0005 (0.0030)	-0.0060* (0.0028)	-0.0026 (0.0083)	-0.0062 (0.0033)
y2008	-0.0042 (0.0025)	-0.0071* (0.0033)	-0.0046 (0.0028)	-0.0041 (0.0082)	-0.0051 (0.0033)
Constant	0.0742*** (0.0060)	0.7150*** (0.0126)	0.0605*** (0.0071)	0.3731*** (0.0249)	0.1316*** (0.0112)
Observations	388,279	59,507	328,772	26,050	243,080
R ²	0.3129	0.0890	0.2876	0.2776	0.2646
Adj. R ²	0.313	0.0888	0.288	0.277	0.265
Mean	0.658	0.964	0.607	0.777	0.553
SD	0.474	0.187	0.488	0.416	0.497

Notes: Dependent variable: GoodEnglish. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Sources: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Variables	All	UK	Non-UK	French	Spanish
Married spouse present	0.0298*** (0.0019)	-0.0237*** (0.0023)	0.0365*** (0.0021)	-0.01105 (0.0074)	0.0431*** (0.0026)
Age at migration	-0.0064*** (0.0001)	-0.0020*** (0.0001)	-0.0075*** (0.0001)	-0.0111*** (0.0004)	-0.0072*** (0.0001)
Schooling	0.0567*** (0.0003)	0.0228*** (0.0009)	0.0541*** (0.0004)	0.0383*** (0.0008)	0.0515*** (0.0007)
Years since migration	0.0104*** (0.0003)	0.0039*** (0.0004)	0.0121*** (0.0003)	0.0135*** (0.0014)	0.0144*** (0.0004)
YSM squared	-0.0001*** (0.0000)	-0.0001*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0002*** (0.0000)
Kids	-0.0264*** (0.0019)	0.0021 (0.0022)	-0.0320*** (0.0022)	-0.0187** (0.0071)	-0.0266*** (0.0027)
Protestant missionary	0.4191*** (0.0096)	0.1315*** (0.0080)	0.3541*** (0.0197)	0.3578*** (0.0429)	0.2732*** (0.0346)
Protestant x schooling	-0.0179*** (0.0006)	-0.0069*** (0.0005)	-0.0082*** (0.0012)	-0.0125*** (0.0024)	0.0003 (0.0024)
Protestant x YSM	-0.0040*** (0.0001)	-0.0009*** (0.0001)	-0.0058*** (0.0002)	-0.0052*** (0.0005)	-0.0075*** (0.0005)
GDP origin year migrate	-0.0087*** (0.0002)	0.0017*** (0.0002)	-0.0076*** (0.0002)	0.0265*** (0.0057)	-0.0170*** (0.0004)
y2005	-0.0057* (0.0028)	0.0001 (0.0036)	-0.0061* (0.0031)	0.0018 (0.0100)	-0.0085* (0.0038)
y2006	-0.0045 (0.0026)	0.0028 (0.0033)	-0.0063* (0.0030)	-0.0051 (0.0100)	-0.0074* (0.0037)
y2007	-0.0010 (0.0026)	0.0045 (0.0032)	-0.0017 (0.0030)	0.0097 (0.0096)	-0.0032 (0.0036)
y2008	-0.0006 (0.0026)	0.0067* (0.0031)	-0.0019 (0.0029)	0.0040 (0.0096)	-0.0043 (0.0036)
Constant	0.0048 (0.0069)	0.6164*** (0.0159)	0.0151 (0.0084)	0.2487*** (0.0296)	0.0564*** (0.0129)
Observations	301,182	46,223	254,959	22,582	176,282
R ²	0.3491	0.1128	0.3355	0.3382	0.3408
Adj. R ²	0.349	0.113	0.335	0.338	0.341
Mean	0.698	0.960	0.651	0.688	0.602
SD	0.459	0.195	0.477	0.463	0.489

Notes: Dependent variable: GoodEnglish. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Table AIX.
Analysis of English
language proficiency
among foreign-born
adult females by
origin country colonial
heritage: protestant
missionary only, with
interaction variables
and year fixed effects

Table AX.
Analysis of earnings
among foreign-born
adult males, by
origin country
colonial heritage

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Schooling	0.0752*** (0.0008)	0.1103*** (0.0021)	0.0633*** (0.0010)	0.0434*** (0.0032)	0.0133*** (0.0019)
Language	0.1893*** (0.0034)	0.2203*** (0.0308)	0.1888*** (0.0304)	0.1387*** (0.0159)	0.1779*** (0.0036)
Married spouse present	0.1808*** (0.0029)	0.2573*** (0.0091)	0.1591*** (0.0030)	0.1630*** (0.0125)	0.1561*** (0.0033)
Experience	0.0110*** (0.0005)	0.0019 (0.0017)	0.0151*** (0.0006)	0.0037 (0.0023)	0.0138*** (0.0006)
Experience squared	-0.0002*** (0.0000)	-0.0001** (0.0000)	-0.0002*** (0.0000)	-0.0001* (0.0000)	-0.0002*** (0.0000)
South	-0.0444*** (0.0028)	-0.0922*** (0.0080)	-0.0377*** (0.0030)	-0.0044 (0.0120)	-0.0459*** (0.0032)
Year since migration	0.0139*** (0.0005)	0.0219*** (0.0013)	0.0169*** (0.0005)	0.0249*** (0.0028)	0.0156*** (0.0007)
YSM squared	-0.0001*** (0.0000)	-0.0003*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0001)	-0.0001*** (0.0000)
Ln weeks worked	0.9866*** (0.0053)	1.0745*** (0.0156)	0.9694*** (0.0056)	1.0177*** (0.0211)	0.9356*** (0.0063)
Catholic missionary	0.2020*** (0.0066)	0.0032 (0.0100)	0.1740*** (0.0067)	-0.2677*** (0.0766)	-0.0135 (0.0096)
Catholic x Schooling	-0.0196*** (0.0005)	-0.0010 (0.0007)	-0.0162*** (0.0005)	0.0156** (0.0049)	0.0035*** (0.0008)
Catholic x YSM	0.0004** (0.0001)	0.0002 (0.0002)	-0.0007*** (0.0002)	0.0051* (0.0021)	-0.0004 (0.0002)
Protestant missionary	-0.2812*** (0.0167)	0.0884*** (0.0220)	-0.3015*** (0.0324)	-0.0505 (0.0851)	-0.6503*** (0.0538)
Protestant x Schooling	0.0275*** (0.0012)	-0.0053*** (0.0015)	0.0390*** (0.0021)	0.0173** (0.0053)	0.0649*** (0.0041)
Protestant x YSM	-0.0013*** (0.0003)	-0.0009* (0.0004)	-0.0003*** (0.0006)	-0.0065*** (0.0019)	-0.0034** (0.0011)
GDP origin year migrate	-0.0031*** (0.0004)	0.0001 (0.0011)	-0.0003 (0.0004)	0.0047 (0.0097)	-0.0117*** (0.0005)
y2005	0.0690*** (0.0044)	0.0342*** (0.0127)	0.0781*** (0.0046)	0.0692*** (0.0174)	0.0809*** (0.0050)
y2006	0.0692*** (0.0041)	0.0470*** (0.0120)	0.0771*** (0.0043)	0.0713*** (0.0171)	0.0814*** (0.0047)
y2007	0.0797*** (0.0041)	0.0562*** (0.0120)	0.0855*** (0.0043)	0.0611*** (0.0169)	0.0909*** (0.0046)
y2008	0.0425*** (0.0041)	0.0441*** (0.0121)	0.0429*** (0.0043)	0.0242 (0.0165)	0.0517*** (0.0047)
Constant	5.0539*** (0.0244)	4.3047*** (0.0724)	5.1241*** (0.0265)	5.2858*** (0.1009)	5.8636*** (0.0356)
Observations	388,279	59,507	328,772	26,050	243,080
R ²	0.4174	0.4025	0.4038	0.3862	0.3846
Adj. R ²	0.417	0.402	0.404	0.386	0.385
Mean	10.27	10.69	10.20	10.43	10.10
SD	0.895	0.987	0.859	0.921	0.790

Notes: Dependent variable: natural logarithm of earnings, in 2009 dollars. Foreign-born persons aged 25-64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005-2009. ACS 2005-09, with interaction variables and year fixed effects

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Schooling	0.0719*** (0.0009)	0.1011*** (0.0024)	0.0639*** (0.0012)	0.0194*** (0.0030)	0.0471*** (0.0022)
Language	0.2295*** (0.0043)	0.2072*** (0.0258)	0.2263*** (0.0044)	0.1501*** (0.0160)	0.2401*** (0.0049)
Married Spouse Present	0.0251*** (0.0034)	0.0056 (0.0091)	0.0229*** (0.0037)	0.0403*** (0.0139)	0.0269*** (0.0042)
Experience	-0.0006 (0.0006)	-0.0068*** (0.0017)	0.0021** (0.0007)	-0.0132*** (0.0023)	0.0047*** (0.0008)
Experience squared	0.0000 (0.0000)	0.0001*** (0.0000)	-0.0000*** (0.0000)	0.0002*** (0.0000)	-0.0001*** (0.0000)
South	-0.0875*** (0.0035)	-0.0621*** (0.0088)	-0.0902*** (0.0038)	-0.0378*** (0.0132)	-0.1069*** (0.0043)
Year since migration	0.0170*** (0.0005)	0.0203*** (0.0015)	0.0169*** (0.0006)	0.0271*** (0.0030)	0.0139*** (0.0008)
YSM squared	-0.0002*** (0.0000)	-0.0003*** (0.0000)	-0.0002*** (0.0000)	-0.0004*** (0.0001)	-0.0002*** (0.0000)
Ln weeks worked	1.0659*** (0.0041)	1.1353*** (0.0125)	1.0544*** (0.0044)	1.0441*** (0.0184)	1.0331*** (0.0049)
Kids	-0.0424*** (0.0037)	0.0091 (0.0098)	-0.0517*** (0.0040)	-0.0234 (0.0143)	-0.0566*** (0.0045)
Catholic missionary	0.1055*** (0.0069)	0.0095 (0.0100)	0.0977*** (0.00081)	-0.6073*** (0.0725)	0.0687*** (0.0125)
Catholic x schooling	-0.0116*** (0.0005)	-0.0015* (0.0007)	-0.0126*** (0.0006)	0.0379*** (0.0045)	-0.0077*** (0.0009)
Catholic x YSM	0.0003* (0.0001)	0.0000 (0.0002)	0.0004* (0.0002)	0.0092*** (0.0022)	0.0003 (0.0003)
Protestant missionary	-0.2635*** (0.0165)	-0.0305 (0.0216)	-0.5504*** (0.0421)	-0.1252 (0.1091)	-0.7760*** (0.0632)
Protestant x schooling	0.0245*** (0.0011)	0.0027 (0.0014)	0.0493*** (0.0028)	0.0109 (0.0068)	0.0652*** (0.0045)
Protestant x YSM	-0.0005* (0.0002)	-0.0003 (0.0003)	-0.0025*** (0.0007)	-0.0081*** (0.0021)	-0.0004 (0.0011)
GDP origin year migrate	-0.0111*** (0.0004)	0.0012 (0.0011)	-0.0115*** (0.0005)	0.0222 (0.0139)	-0.0208*** (0.0007)
y2005	0.0524*** (0.0052)	0.0386** (0.0140)	0.0560*** (0.0056)	0.0741*** (0.0201)	0.0562*** (0.0064)
y2006	0.0423*** (0.0050)	0.0366** (0.0129)	0.0435*** (0.0053)	0.0546** (0.0197)	0.0497*** (0.0061)
y2007	0.0719*** (0.0049)	0.0951*** (0.0130)	0.0684*** (0.0053)	0.0938*** (0.0187)	0.0642*** (0.0060)
y2008	0.0241*** (0.0049)	0.0296* (0.0128)	0.0237*** (0.0052)	0.0644*** (0.0182)	0.0221*** (0.0059)
Constant	4.7450*** (0.0219)	4.1149*** (0.0643)	4.8887*** (0.0254)	5.5112*** (0.0912)	5.1653*** (0.0372)
Observations	301,182	46,223	254,959	22,582	176,282
R ²	0.4878	0.4399	0.4878	0.3936	0.5063
Adj. R ²	0.488	0.440	0.488	0.393	0.506
Mean	9.889	10.24	9.827	10.01	9.722
SD	1.027	1.023	1.015	0.972	0.983

Notes: Dependent variable: natural logarithm of earnings, in 2009 dollars. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009; ACS 2005-09, with interaction variables and year fixed effects

Missionaries on the English language proficiency

Table AXI.
Analysis of earnings among foreign-born adult females, by origin country colonial heritage

Table AXII.
Analysis of earnings
among foreign-born
adult males, by origin
country colonial
heritage: catholic
missionaries only,
with interaction
variables and year
fixed effects

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Schooling	0.0816*** (0.0008)	0.1070*** (0.0017)	0.0710*** (0.0008)	0.0376*** (0.0028)	0.0327*** (0.0014)
Language	0.1957*** (0.0033)	0.2299*** (0.0300)	0.1947*** (0.0034)	0.1441*** (0.0157)	0.1791*** (0.0036)
Married spouse present	0.1821*** (0.0029)	0.2581*** (0.0091)	0.1607*** (0.0030)	0.1642*** (0.0125)	0.1575*** (0.0033)
Experience	0.0106*** (0.0005)	0.0017 (0.0016)	0.0149*** (0.0006)	0.0035 (0.0023)	0.0136*** (0.0006)
Experience squared	-0.0002*** (0.0000)	-0.0001** (0.0000)	-0.0002*** (0.0000)	-0.0001* (0.0000)	-0.0002*** (0.0000)
South	-0.0424*** (0.0028)	-0.0926*** (0.0080)	-0.0385*** (0.0030)	-0.0024 (0.0120)	-0.0446*** (0.0032)
Year since migration	0.0138*** (0.0005)	0.0216*** (0.0013)	0.0162*** (0.0005)	0.0287*** (0.0025)	0.0146*** (0.0007)
YSM squared	-0.0001*** (0.0000)	-0.0003*** (0.0000)	-0.0001*** (0.0000)	-0.0003*** (0.0001)	-0.0001*** (0.0000)
Ln weeks worked	0.9863*** (0.0053)	1.0736*** (0.0156)	0.9690*** (0.0056)	1.0175*** (0.0211)	0.9356*** (0.0063)
Catholic missionary	0.1834*** (0.0068)	0.0236** (0.0088)	0.1555*** (0.0066)	-0.3133*** (0.0521)	0.0150 (0.0091)
Catholic x schooling	-0.0178*** (0.0005)	-0.0022*** (0.0006)	-0.0145*** (0.0005)	0.0287*** (0.0032)	0.0014* (0.0007)
Catholic x YSM	0.0005*** (0.0001)	-0.0001 (0.0002)	-0.0008*** (0.0002)	0.0000 (0.0011)	-0.0003 (0.0002)
GDP origin year migrate	-0.0015*** (0.0004)	-0.0002 (0.0010)	0.0021*** (0.0004)	0.0200** (0.0074)	-0.0120*** (0.0005)
y2005	0.0702*** (0.0044)	0.0345** (0.0127)	0.0799*** (0.0046)	0.0688*** (0.0173)	0.0815*** (0.0050)
y2006	0.0695*** (0.0041)	0.0469*** (0.0120)	0.0778*** (0.0043)	0.0702*** (0.0172)	0.0818*** (0.0047)
y2007	0.0801*** (0.0041)	0.0562*** (0.0120)	0.0867*** (0.0043)	0.0606*** (0.0169)	0.0915*** (0.0047)
y2008	0.0429*** (0.0041)	0.0442*** (0.0121)	0.0438*** (0.0043)	0.0238 (0.0165)	0.0520*** (0.0047)
Constant	4.9781*** (0.0242)	4.3562*** (0.0714)	5.0466*** (0.0255)	5.2707*** (0.0965)	5.6597*** (0.0308)
Observations	388,279	59,507	328,772	26,050	243,080
R ²	0.4137	0.4022	0.4001	0.3851	0.3832
Adj. R ²	0.414	0.402	0.400	0.385	0.383
Mean	10.27	10.69	10.20	10.43	10.10
SD	0.895	0.987	0.859	0.921	0.790

Notes: Dependent variable: natural logarithm of earnings, in 2009 dollars. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Schooling	0.0773*** (0.0009)	0.1032*** (0.0020)	0.0737*** (0.0010)	0.0205*** (0.0029)	0.0679*** (0.0017)
Language	0.2356*** (0.0042)	0.2019*** (0.0253)	0.2289*** (0.0044)	0.1492*** (0.0157)	0.2405*** (0.0049)
Married spouse present	0.0228*** (0.0034)	0.0049 (0.0091)	0.0243*** (0.0037)	0.0396** (0.0138)	0.0280*** (0.0042)
Experience	-0.0008 (0.0006)	-0.0065*** (0.0017)	0.0017* (0.0007)	-0.0136*** (0.0024)	0.0047*** (0.0008)
Experience squared	0.0000 (0.0000)	0.0001*** (0.0000)	-0.0000* (0.0000)	0.0002*** (0.0000)	-0.0001*** (0.0000)
South	-0.0842*** (0.0035)	-0.0618*** (0.0088)	-0.0912*** (0.0038)	-0.0338** (0.0132)	-0.1053*** (0.0043)
Year since migration	0.0172*** (0.0005)	0.0203*** (0.0015)	0.0165*** (0.0006)	0.0282*** (0.0028)	0.0135*** (0.0008)
YSM squared	-0.0002*** (0.0000)	-0.0003*** (0.0000)	-0.0002*** (0.0000)	-0.0004*** (0.0001)	-0.0002*** (0.0000)
Ln weeks worked	1.0665*** (0.0041)	1.1355*** (0.0125)	1.0550*** (0.0044)	1.0448*** (0.0184)	1.0333*** (0.0049)
Kids	-0.0421*** (0.0037)	0.0083 (0.0098)	-0.0509*** (0.0040)	-0.0004*** (0.0001)	-0.0564*** (0.0045)
Catholic missionary	0.0804*** (0.0072)	0.0033 (0.0099)	0.0809*** (0.0082)	-0.5273*** (0.0598)	0.1037*** (0.0121)
Catholic x Schooling	-0.0092*** (0.0005)	-0.0009 (0.0007)	-0.0110*** (0.0006)	0.0400*** (0.0039)	-0.0102*** (0.0009)
Catholic x YSM	0.0004** (0.0001)	-0.0001 (0.0002)	0.0003 (0.0002)	0.0013 (0.0014)	0.0004 (0.0003)
GDP origin year migrate	-0.0094*** (0.0004)	0.0016 (0.0011)	-0.0100*** (0.0005)	-0.0158 (0.0103)	-0.0211*** (0.0007)
y2005	0.0535*** (0.0052)	0.0387*** (0.0140)	0.0570*** (0.0056)	0.0674*** (0.0199)	0.0564*** (0.0064)
y2006	0.0425*** (0.0050)	0.0365*** (0.0129)	0.0445*** (0.0054)	0.0507*** (0.0196)	0.0502*** (0.0061)
y2007	0.0723*** (0.0050)	0.0952*** (0.0130)	0.0690*** (0.0053)	0.0917*** (0.0187)	0.0641*** (0.0061)
y2008	0.0247*** (0.0049)	0.0297* (0.0128)	0.0245*** (0.0052)	0.0648*** (0.0183)	0.0220*** (0.0060)
Constant	4.6759*** (0.0218)	4.0884*** (0.0615)	4.7690*** (0.0240)	5.5306*** (0.0899)	4.9162*** (0.0312)
Observations	301,182	46,223	254,959	22,582	176,282
R ²	0.4847	0.4399	0.4860	0.3921	0.5051
Adj. R ²	0.485	0.440	0.486	0.392	0.505
Mean	9.889	10.24	9.827	10.01	9.722
SD	1.027	1.023	1.015	0.972	0.983

Notes: Dependent variable: natural logarithm of earnings, in 2009 dollars. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Missionaries on the English language proficiency

Table AXIII. Analysis of earnings among foreign-born adult females, by origin country colonial heritage: catholic missionaries only, with interaction variables and year fixed effects

Table AXIV.
Analysis of earnings
among foreign-born
adult males, by origin
country colonial
heritage: protestant
missionaries only,
with interaction
variables and year
fixed effects

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Schooling	0.0529*** (0.0005)	0.1104*** (0.0021)	0.0425*** (0.0006)	0.0523*** (0.0020)	0.0203*** (0.0010)
Language	0.1985*** (0.0034)	0.2226*** (0.0306)	0.1925*** (0.0034)	0.1406*** (0.0156)	0.1782*** (0.0036)
Married spouse present	0.1928*** (0.0029)	0.2569*** (0.0091)	0.1645*** (0.0030)	0.1630*** (0.0125)	0.1560*** (0.0033)
Experience	0.0091*** (0.0005)	0.0019 (0.0017)	0.0147*** (0.0006)	0.0032 (0.0022)	0.0139*** (0.0006)
Experience squared	-0.0001*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0001* (0.0000)	-0.0002*** (0.0000)
South	-0.0508*** (0.0028)	-0.0924*** (0.0080)	-0.0451*** (0.0030)	-0.0052 (0.0120)	-0.0446*** (0.0032)
Year since migration	0.0138*** (0.0004)	0.0218*** (0.0013)	0.0157*** (0.0005)	0.0282*** (0.0026)	0.0146*** (0.0005)
YSM squared	-0.0001*** (0.0000)	-0.0003*** (0.0000)	-0.0001*** (0.0000)	-0.0003*** (0.0001)	-0.0001*** (0.0000)
Ln weeks worked	0.9863*** (0.0053)	1.0744*** (0.0156)	0.9684*** (0.0056)	1.0177*** (0.0211)	0.9362*** (0.0063)
Protestant missionary	-0.2404*** (0.0171)	0.0917*** (0.0203)	-0.2799*** (0.0322)	-0.2502*** (0.0628)	-0.6494*** (0.0513)
Protestant x schooling	0.0224*** (0.0012)	-0.0060*** (0.0014)	0.0352*** (0.0021)	0.0294*** (0.0036)	0.0643*** (0.0040)
Protestant x YSM	-0.0016*** (0.0003)	-0.0008** (0.0003)	-0.0037*** (0.0006)	-0.0025* (0.0011)	-0.0030** (0.0011)
GDP origin year migrate	-0.0043*** (0.0003)	-0.0001 (0.0011)	0.0002 (0.0004)	-0.0002 (0.0096)	-0.0105*** (0.0005)
y2005	0.0677*** (0.0044)	0.0342*** (0.0127)	0.0787*** (0.0046)	0.0677*** (0.0174)	0.0814*** (0.0050)
y2006	0.0675*** (0.0041)	0.0470*** (0.0120)	0.0771*** (0.0043)	0.0712*** (0.0171)	0.0816*** (0.0047)
y2007	0.0784*** (0.0041)	0.0561*** (0.0120)	0.0852*** (0.0043)	0.0608*** (0.0169)	0.0911*** (0.0046)
y2008	0.0424*** (0.0041)	0.0441*** (0.0121)	0.0432*** (0.0043)	0.0240 (0.0165)	0.0517*** (0.0047)
Constant	5.3363*** (0.0227)	4.3025*** (0.0724)	5.3637*** (0.0245)	5.1428*** (0.0923)	5.8237*** (0.0292)
Observations	388,279	59,507	328,772	26,050	243,080
R ²	0.4070	0.4024	0.3972	0.3854	0.3842
Adj. R ²	0.407	0.402	0.397	0.385	0.384
Mean	10.27	10.69	10.20	10.43	10.10
S D	0.895	0.987	0.859	0.921	0.790

Notes: Dependent variable: natural logarithm of earnings, in 2009 dollars. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009. Robust standard errors in parentheses

Variables	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish
Schooling	0.0606*** (0.0006)	0.1012*** (0.0024)	0.0506*** (0.0008)	0.0409*** (0.0021)	0.0323*** (0.0012)
Language	0.2345*** (0.0043)	0.2135*** (0.0256)	0.2307*** (0.0044)	0.1538*** (0.0159)	0.2414*** (0.0049)
Married spouse present	0.0317*** (0.0034)	0.0053 (0.0091)	0.0296*** (0.0037)	0.0425** (0.0139)	0.0277*** (0.0042)
Experience	-0.0019** (0.0006)	-0.0068*** (0.0017)	0.0009 (0.0000)	-0.0143*** (0.0024)	0.0049*** (0.0008)
Experience squared	0.0000*** (0.0000)	0.0001*** (0.0000)	-0.0000 (0.0000)	0.0002*** (0.0000)	-0.0001*** (0.0000)
South	-0.0946*** (0.0035)	-0.0629*** (0.0088)	-0.1029*** (0.0038)	-0.0398** (0.0132)	-0.1120*** (0.0043)
Year since migration	0.0173*** (0.0005)	0.0203*** (0.0015)	0.0176*** (0.0006)	0.0330*** (0.0028)	0.0146*** (0.0007)
YSM squared	-0.0002*** (0.0000)	-0.0003*** (0.0000)	-0.0002*** (0.0000)	-0.0004*** (0.0001)	-0.0002*** (0.0000)
Ln Weeks Worked	1.0650*** (0.0041)	1.1351*** (0.0125)	1.0547*** (0.0044)	1.0437*** (0.0184)	1.0330*** (0.0049)
Kids	-0.0440*** (0.0037)	0.0082 (0.0098)	-0.0572*** (0.0040)	-0.0004*** (0.0001)	-0.0002*** (0.0000)
Protestant missionary	-0.2229*** (0.0163)	-0.0203 (0.0208)	-0.5044*** (0.0418)	-0.5515*** (0.1002)	-0.8401*** (0.0609)
Protestant x schooling	0.0200*** (0.0011)	0.0015 (0.0013)	0.0432*** (0.0028)	-0.0238 (0.0144)	-0.0559*** (0.0045)
Protestant x YSM	-0.0006* (0.0002)	-0.0004 (0.0003)	-0.0024*** (0.0007)	0.0393*** (0.0060)	0.0701*** (0.0044)
GDP origin year migrate	-0.0122*** (0.0004)	0.0003 (0.0011)	-0.0115*** (0.0005)	-0.0013 (0.0013)	-0.0008 (0.0011)
y2005	0.0506*** (0.0052)	0.0384** (0.0140)	0.0554*** (0.0056)	0.0743*** (0.0201)	0.0556*** (0.0064)
y2006	0.0410*** (0.0050)	0.0365** (0.0129)	0.0430*** (0.0054)	0.0544** (0.0198)	0.0494*** (0.0061)
y2007	0.0711*** (0.0050)	0.0952*** (0.0130)	0.0678*** (0.0053)	0.0960*** (0.0188)	0.0640*** (0.0060)
y2008	0.0241*** (0.0049)	0.0299* (0.0128)	0.0240*** (0.0052)	0.0645*** (0.0182)	0.0225*** (0.0059)
Constant	4.8790*** (0.0197)	4.1110*** (0.0642)	4.9992*** (0.0223)	5.1896*** (0.0873)	5.3137*** (0.0277)
Observations	301,182	46,223	254,959	22,582	176,282
R ²	0.4833	0.4395	0.4832	0.3901	0.5056
Adj. R ²	0.483	0.439	0.483	0.390	0.506
Mean	9.889	10.24	9.827	10.01	9.722
SD	1.027	1.023	1.015	0.972	0.983

Notes: Dependent variable: natural logarithm of earnings, in 2009 dollars. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Missionaries on the English language proficiency

Table AXV. Analysis of earnings among foreign-born adult females, by origin country colonial heritage: protestant missionaries only, with interaction variables and year fixed effects

Table AXVI.
Analysis of English language proficiency among foreign-born adult males and females by origin country colonial heritage: without interaction variables and with year fixed effects

Variables	(1) All	(2) UK	(3) Male Non-UK	(4) French	(5) Spanish	(6) All	(7) UK	(8) Female Non-UK	(9) French	(10) Spanish
Married spouse present	0.0609*** (0.0018)	0.0036 (0.0025)	0.0628*** (0.0020)	0.0027 (0.0061)	0.0758*** (0.0023)	0.0255*** (0.0019)	-0.0231*** (0.0023)	0.0336*** (0.0021)	-0.0085 (0.0074)	0.0430*** (0.0026)
Age at migration	-0.0066*** (0.0001)	-0.0025*** (0.0002)	-0.0074*** (0.0001)	-0.0108*** (0.0003)	-0.0068*** (0.0001)	-0.0064*** (0.0001)	-0.0019*** (0.0001)	-0.0075*** (0.0001)	-0.0107*** (0.0004)	-0.0071*** (0.0001)
Schooling	0.0431*** (0.0002)	0.0141*** (0.0005)	0.0433*** (0.0002)	0.0340*** (0.0008)	0.0413*** (0.0003)	0.0503*** (0.0002)	0.0158*** (0.0006)	0.0514*** (0.0002)	0.0387*** (0.0008)	0.0516*** (0.0003)
Years since migration	0.0128*** (0.0002)	0.0026*** (0.0004)	0.0155*** (0.0003)	0.0134*** (0.0012)	0.0181*** (0.0003)	0.0091*** (0.0003)	0.0037*** (0.0004)	0.0109*** (0.0003)	0.0158*** (0.0014)	0.0128*** (0.0004)
YSM squared	-0.0002*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0003*** (0.0000)	-0.0003*** (0.0000)	-0.0001*** (0.0000)	-0.0001*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0002*** (0.0000)
Kids										
Catholic missionary	-0.0288*** (0.0009)	-0.0100*** (0.0012)	-0.0171*** (0.0011)	-0.1561*** (0.0087)	0.0131*** (0.0018)	-0.0255*** (0.0009)	-0.0095*** (0.0010)	-0.0221*** (0.0011)	-0.1386*** (0.0106)	0.0027 (0.0019)
Protestant missionary	0.0988*** (0.0012)	0.0227*** (0.0013)	0.1071*** (0.0028)	0.1480*** (0.0099)	0.0970*** (0.0076)	0.0975*** (0.0011)	0.2221*** (0.0011)	0.1195*** (0.0032)	0.1486*** (0.0131)	0.1098*** (0.0068)
GDP origin year migrate	-0.0082*** (0.0002)	0.0014*** (0.0002)	-0.0061*** (0.0002)	0.0313*** (0.0036)	-0.0140*** (0.0004)	-0.0074*** (0.0002)	0.0023*** (0.0002)	-0.0065*** (0.0002)	0.0384*** (0.0053)	-0.0173*** (0.0004)
y2005	-0.0069** (0.0026)	-0.0022 (0.0034)	-0.0057 (0.0030)	-0.0062 (0.0087)	-0.0073* (0.0036)	-0.0048 (0.0028)	0.0001 (0.0036)	-0.0058 (0.0031)	0.0020 (0.0099)	-0.0086* (0.0038)
y2006	-0.0085*** (0.0025)	0.0002 (0.0030)	-0.0091** (0.0028)	-0.0122 (0.0085)	-0.0093*** (0.0034)	-0.0031 (0.0026)	0.0039 (0.0033)	-0.0061* (0.0030)	-0.0048 (0.0099)	-0.0075* (0.0037)
y2007	-0.0057* (0.0025)	0.0008 (0.0033)	-0.0059* (0.0028)	-0.0033 (0.0082)	-0.0064 (0.0033)	0.0000 (0.0026)	0.0049 (0.0032)	-0.0012 (0.0030)	0.0107 (0.0095)	-0.0031 (0.0036)
y2008	-0.0043 (0.0025)	-0.0073* (0.0033)	-0.0045 (0.0028)	-0.0029 (0.0081)	-0.0051 (0.0033)	-0.0004 (0.0026)	0.0066* (0.0031)	-0.0019 (0.0029)	0.0047 (0.0095)	-0.0042 (0.0036)
Constant	0.1949*** (0.0055)	0.7753*** (0.0101)	0.1299*** (0.0063)	0.4672*** (0.0239)	0.1029*** (0.0081)	0.1390*** (0.0065)	0.7239*** (0.0122)	0.1031*** (0.0074)	0.2915*** (0.0259)	0.0941*** (0.0097)
Observations	388,279	59,507	328,772	26,050	243,080	301,182	46,223	25,4959	22,582	176,282
R ²	0.3120	0.0872	0.2874	0.2874	0.2645	0.3445	0.1022	0.3357	0.3419	0.3399
Adj.	0.312	0.0870	0.287	0.287	0.264	0.344	0.102	0.336	0.341	0.340
Mean	0.658	0.964	0.607	0.777	0.553	0.698	0.960	0.651	0.688	0.602
SD	0.474	0.187	0.488	0.416	0.497	0.459	0.195	0.477	0.463	0.489

Notes: Dependent variable: GoodEnglish. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Variables	Male			Female						
	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish	(6) All	(7) UK	(8) Non-UK	(9) French	(10) Spanish
Schooling	0.0558*** (0.0004)	0.1058*** (0.0017)	0.0480*** (0.0004)	0.0568*** (0.0019)	0.0351*** (0.0005)	0.0641*** (0.0005)	0.1026*** (0.0019)	0.0576*** (0.0006)	0.0440*** (0.0021)	0.0496*** (0.0007)
Language	0.1867*** (0.0034)	0.2296*** (0.0302)	0.1891*** (0.0034)	0.1391*** (0.0158)	0.1783*** (0.0036)	0.2172*** (0.0043)	0.2012*** (0.0255)	0.2231*** (0.0044)	0.1518*** (0.0159)	0.2411*** (0.0049)
Married spouse present	0.1919*** (0.0029)	0.2581*** (0.0091)	0.1640*** (0.0030)	0.1633*** (0.0125)	0.1580*** (0.0033)	0.0287*** (0.0034)	0.0047 (0.0091)	0.0254*** (0.0037)	0.0429*** (0.0140)	0.0306*** (0.0042)
Experience	0.0092*** (0.0005)	0.0016 (0.0016)	0.0145*** (0.0006)	0.0022 (0.0023)	0.0135*** (0.0006)	-0.0017** (0.0006)	-0.0065*** (0.0017)	0.0013 (0.0007)	-0.0151*** (0.0024)	0.0048*** (0.0008)
Experience squared	-0.0001*** (0.0000)	-0.0001** (0.0000)	-0.0002*** (0.0000)	-0.0001 (0.0000)	-0.0002*** (0.0000)	0.0000* (0.0000)	0.0001*** (0.0000)	-0.0000* (0.0000)	0.0002*** (0.0000)	-0.0001*** (0.0000)
South	-0.0466*** (0.0028)	-0.0929*** (0.0080)	-0.0407*** (0.0030)	-0.0024 (0.0120)	-0.0446*** (0.0032)	-0.0877*** (0.0035)	-0.0619*** (0.0088)	-0.0927*** (0.0038)	-0.0371** (0.0133)	-0.1090*** (0.0043)
Year since migration	0.0144*** (0.0004)	0.0217*** (0.0013)	0.0157*** (0.0004)	0.0281*** (0.0026)	0.0143*** (0.0005)	0.0177*** (0.0005)	0.0203*** (0.0015)	0.0173*** (0.0005)	0.0336*** (0.0028)	0.0144*** (0.0006)
YSM squared	-0.0001*** (0.0000)	-0.0003*** (0.0000)	-0.0001*** (0.0000)	-0.0003*** (0.0001)	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0003*** (0.0000)	-0.0002*** (0.0000)	-0.0004*** (0.0001)	-0.0002*** (0.0000)
Ln weeks worked	0.9888*** (0.0054)	1.0736*** (0.0156)	0.9702*** (0.0056)	1.0179*** (0.0211)	0.9359*** (0.0063)	1.0655*** (0.0041)	1.1355*** (0.0125)	1.0544*** (0.0044)	1.0451*** (0.0184)	1.0334*** (0.0049)
Kids										
Catholic missionary	-0.0503*** (0.0015)	-0.0061* (0.0024)	-0.0529*** (0.0019)	0.0363 (0.0187)	0.0287*** (0.0028)	-0.0037 (0.0016)	0.0098 (0.0021)	0.0040 (0.0021)	0.0144 (0.0215)	0.0045 (0.0032)
Protestant missionary	0.0526*** (0.0030)	-0.0047 (0.0047)	0.1571*** (0.0072)	0.1048*** (0.0248)	0.1169*** (0.0150)	0.0582*** (0.0027)	-0.0005 (0.0039)	0.0813*** (0.0090)	-0.0449 (0.0332)	0.0702*** (0.0148)
GDP origin year migrate	-0.0003 (0.0004)	0.0001 (0.0011)	0.0033*** (0.0004)	0.0009 (0.0095)	-0.0111*** (0.0005)	-0.0093*** (0.0004)	0.0015 (0.0011)	-0.0088*** (0.0005)	0.0145 (0.0149)	-0.0196*** (0.0007)
y2005	0.0698*** (0.0044)	0.0343** (0.0127)	0.0810*** (0.0046)	0.0651*** (0.0174)	0.0819*** (0.0050)	0.0515*** (0.0052)	0.0387** (0.0140)	0.0563*** (0.0056)	0.0747*** (0.0202)	0.0563*** (0.0064)
y2006	0.0687*** (0.0041)	0.0470*** (0.0120)	0.0784*** (0.0043)	0.0680*** (0.0172)	0.0821*** (0.0047)	0.0410*** (0.0050)	0.0365** (0.0129)	0.0437*** (0.0054)	0.0549** (0.0199)	0.0501*** (0.0061)
y2007	0.0797*** (0.0056)	0.0563*** (0.0056)	0.0866*** (0.0056)	0.0592*** (0.0056)	0.0918*** (0.0056)	0.0715*** (0.0056)	0.0953*** (0.0056)	0.0687*** (0.0056)	0.0954*** (0.0056)	0.0643*** (0.0056)

(continued)

Missionaries on the English language proficiency

Table AXVII.
Analysis of earnings among foreign-born adult females, by origin country colonial heritage: without interaction variables and with year fixed effects

Variables	Male			Female						
	(1) All	(2) UK	(3) Non-UK	(4) French	(5) Spanish	(6) All	(7) UK	(8) Non-UK	(9) French	(10) Spanish
y ₂₀₀₈	(0.0041) 0.0425***	(0.0120) 0.0440***	(0.0043) 0.0438***	(0.0169) 0.0228	(0.0047) 0.0521***	(0.0050) 0.0240***	(0.0130) 0.0297*	(0.0053) 0.0242***	(0.0189) 0.0656***	(0.0061) 0.0224***
Constant	(0.0041) 5.3279***	(0.0121) 4.3774***	(0.0043) 5.3422***	(0.0166) 5.0805***	(0.0047) 5.6011***	(0.0049) 4.8660***	(0.0128) 4.0986***	(0.0052) 4.9690***	(0.0184) 5.1240***	(0.0060) 5.1093***
R ²	388,279 0.4084	(0.0224) 0.0709	(0.0236) 0.3985	(0.0925) 0.3822	(0.0271) 0.3834	(0.0193) 0.4845	(0.0608) 0.4398	(0.0207) 0.4850	(0.0892) 0.3872	(0.0243) 0.5046
Adj. R ²	10.27	10.69	10.20	10.43	10.10	9.889	10.24	9.827	10.01	9.722
Mean	0.895	0.987	0.859	0.921	0.790	1.027	1.023	1.015	0.972	0.983
SD										

Notes: Dependent variable: natural logarithm of earnings, in 2009 dollars. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Variables	(1) Male	(2) Female
Married spouse present	0.0950*** (0.0036)	0.0709*** (0.0034)
Age at migration	-0.0072*** (0.0002)	-0.0063*** (0.0002)
Schooling	0.0459*** (0.0012)	0.0617*** (0.0012)
Years since migration	0.0252*** (0.0005)	0.0184*** (0.0005)
YSM squared	-0.0003*** (0.0000)	-0.0002*** (0.0000)
Catholic missionary	0.0102 (0.0064)	0.0306*** (0.0076)
Catholic × Schooling	-0.0020*** (0.0005)	-0.0047*** (0.0005)
Catholic × YSM	0.0003* (0.0001)	0.0010*** (0.0001)
Protestant missionary	-0.1233** (0.0376)	0.1382*** (0.0394)
Protestant × Schooling	0.0038 (0.0025)	-0.0052* (0.0026)
Protestant × YSM	0.0021*** (0.0006)	-0.0010 (0.0005)
GDP origin year migrate	0.0127*** (0.0012)	0.0036** (0.0012)
y2005	0.0064 (0.0055)	0.0014 (0.0051)
y2006	0.0033 (0.0052)	-0.0055 (0.0049)
y2007	0.0065 (0.0051)	-0.0056 (0.0049)
y2008	0.0045 (0.0051)	0.0007 (0.0048)
Kids		-0.0269*** (0.0035)
Constant	0.0588** (0.0183)	-0.0701*** (0.0202)
Observations	86,984	87,968
R ²	0.3028	0.3010
Adj. R ²	0.303	0.301
Mean	0.688	0.736
SD	0.463	0.441

Missionaries
on the English
language
proficiency

Table AXVIII.
Analysis of English
language proficiency
among foreign-born
adult males and
females from former
Spanish colonies
excluding Mexican
immigrants: with
interaction variables
and with year
fixed effects

Notes: Dependent variable: GoodEnglish. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses.
* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Variables	(1) Male	(2) Female	(3) Male	(4) Female
Schooling	0.0250*** (0.0021)	0.0599*** (0.0024)	0.0445*** (0.0009)	0.0654*** (0.0010)
Language	0.1857*** (0.0071)	0.2747*** (0.0078)	0.1853*** (0.0071)	0.2755*** (0.0078)
Married spouse present	0.1724*** (0.0058)	0.0390*** (0.0061)	0.1735*** (0.0058)	0.0393*** (0.0061)
Experience	0.0160*** (0.0012)	0.0030* (0.0012)	0.0158*** (0.0012)	0.0031* (0.0012)
Experience squared	-0.0003*** (0.0000)	-0.0001** (0.0000)	-0.0003*** (0.0000)	-0.0001** (0.0000)
South	-0.0097 (0.0058)	-0.0782*** (0.0063)	-0.0036 (0.0057)	-0.0780*** (0.0063)
Year since migration	0.0157*** (0.0010)	0.0173*** (0.0011)	0.0153*** (0.0009)	0.0182*** (0.0010)
YSM squared	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0000)
Ln weeks worked	0.9675*** (0.0111)	1.0624*** (0.0086)	0.9682*** (0.0111)	1.0631*** (0.0086)
Kids		-0.0516*** (0.0066)		-0.0516*** (0.0066)
Catholic missionaries	-0.0576*** (0.0102)	-0.0274* (0.0133)	0.0120*** (0.0030)	-0.0297*** (0.0034)
Catholic × schooling	0.0053*** (0.0008)	-0.0015 (0.0009)		
Catholic × YSM	0.0000 (0.0003)	0.0007** (0.0003)		
Protestant missionary	-0.4489*** (0.0624)	-0.3625*** (0.0702)	-0.0018 (0.0174)	-0.0087 (0.0164)
Protestant × schooling	0.0365*** (0.0045)	0.0265*** (0.0048)		
Protestant × YSM	-0.0020 (0.0012)	-0.0004 (0.0013)		
GDP origin year migrate	0.0060** (0.0018)	-0.0081*** (0.0020)	0.0044* (0.0017)	-0.0110*** (0.0019)
y2005	0.0857*** (0.0088)	0.0509*** (0.0094)	0.0859*** (0.0088)	0.0500*** (0.0094)
y2006	0.0780*** (0.0083)	0.0537*** (0.0089)	0.0781*** (0.0083)	0.0532*** (0.0089)
y2007	0.1011*** (0.0083)	0.0600*** (0.0089)	0.1020*** (0.0083)	0.0595*** (0.0089)
y2008	0.0547*** (0.0082)	0.0180* (0.0086)	0.0549*** (0.0082)	0.0180* (0.0086)
Constant	5.5815*** (0.0520)	4.8572*** (0.0478)	5.3401*** (0.0461)	4.7616*** (0.0381)
Observations	86,984	87,968	86,984	87,968
R ²	0.3906	0.4647	0.3894	0.4643
Adj. R ²	0.390	0.465	0.389	0.464
Mean	10.25	9.955	10.25	9.955
SD	0.845	0.978	0.845	0.978

Table AXIX.
Analysis of earnings among foreign-born adult males and females from former Spanish colonies excluding Mexican immigrants: with interaction variables and with year fixed effects

Notes: Dependent variable: natural logarithm of earnings, in 2009 dollars. Foreign-born persons aged 25–64 years who worked in the prior year. 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Source: US Bureau of the Census, American Community Survey, PUMS, 2005–2009

Variables	Without LD		With LD	
	(1) Male	(2) Female	(3) Male	(4) Female
Married spouse present	0.0579*** (0.0018)	0.0189*** (0.0018)	0.0584*** (0.0018)	0.0198*** (0.0018)
Age at migration	-0.0067*** (0.0001)	-0.0062*** (0.0001)	-0.0067*** (0.0001)	-0.0062*** (0.0001)
Schooling	0.0473*** (0.0004)	0.0511*** (0.0005)	0.0478*** (0.0004)	0.0514*** (0.0005)
YSM	0.0106*** (0.0002)	0.0085*** (0.0003)	0.0106*** (0.0002)	0.0086*** (0.0003)
YSMSQ	-0.0002*** (0.0000)	-0.0001*** (0.0000)	-0.0002*** (0.0000)	-0.0001*** (0.0000)
Catholic missionary	-0.0633*** (0.0037)	-0.0991*** (0.0049)	-0.0650*** (0.0037)	-0.1018*** (0.0051)
Catholic missionary x schooling	-0.0007** (0.0002)	0.0033*** (0.0003)	-0.0008*** (0.0002)	0.0033*** (0.0003)
Catholic missionary x YSM	0.0026*** (0.0001)	0.0017*** (0.0001)	0.0026*** (0.0001)	0.0017*** (0.0001)
Protestant missionary	0.3573*** (0.0084)	0.4311*** (0.0084)	0.3557*** (0.0084)	0.4303*** (0.0083)
Protestant missionary x schooling	-0.0121*** (0.0005)	-0.0179*** (0.0005)	-0.0121*** (0.0005)	-0.0180*** (0.0005)
Protestant missionary x YSM	-0.0047*** (0.0001)	-0.0044*** (0.0001)	-0.0047*** (0.0001)	-0.0044*** (0.0001)
GDP origin year migration	-0.0081*** (0.0002)	-0.0070*** (0.0002)	-0.0079*** (0.0002)	-0.0066*** (0.0002)
Linguistic distance				
y2005	-0.0056* (0.0026)	-0.0047 (0.0027)	-0.0546*** (0.0066)	-0.0493*** (0.0065)
y2006	-0.0078** (0.0025)	-0.0040 (0.0026)	-0.0054* (0.0026)	-0.0044 (0.0027)
y2007	-0.0050* (0.0025)	-0.0003 (0.0026)	-0.0077** (0.0025)	-0.0038 (0.0026)
y2008	-0.0040 (0.0025)	-0.0004 (0.0026)	-0.0049* (0.0025)	-0.0002 (0.0026)
Constant	0.1726*** (0.0079)	0.1215*** (0.0094)	0.1943*** (0.0086)	0.1424*** (0.0102)
Marginal effects at the means				
Catholic missionary	-0.0269*** (0.0011)	-0.0267*** (0.0010)	-0.0301*** (0.0012)	-0.0299*** (0.0011975)
Protestant missionary	0.1332*** (0.00197)	0.1253*** (0.0016)	0.1326*** (0.0019)	0.1245*** (0.0016)
Observations	388,279	301,182	388,279	301,182
R ²	0.3201	0.3552	0.3203	0.3554
Adj. R ²	0.320	0.355	0.320	0.355
Mean	0.658	0.698	0.658	0.698
SD	0.474	0.459	0.474	0.459

Notes: Dependent variable: good english. The measure of Linguistic Distance (LD) is the inverse of the Linguistic Score (LS) in Chiswick and Miller (2005) in Table I. That is, LD = 1/LS from Table I. Where only English is spoken at home, and hence a non-English language is not reported, LS is the mean value of the linguistic score measure for individuals reporting a foreign language from their birthplace. Foreign-born persons aged 25-64 years who worked in the prior year: 2009 is the benchmark for the year fixed effects. Robust standard errors in parentheses

Source: US Bureau of the Census, American Community Survey, PUMS, 2005-2009

Missionaries on the English language proficiency

Table AXX.
Analysis of English language proficiency among foreign-born adult males and females, with and without control for linguistic distance (LD)