

Do immigrants squeeze natives out of bad schedules? Evidence from Italy

Osea Giuntella
Email: osea@bu.edu

Boston University, 270 Bay State Road, Boston, MA 02215, USA

Appendix

Table 11 Summary Statistics

	(1)	(2)	(3)	(4)
	Natives		Immigrants	
	Mean	Observations	Mean	Observations
Non-Standard Hours	0.28	684,530	0.30	35,983
Hours Worked (weekly)	34.91	631,040	35.48	33,634
Employment Rate	0.56	1,230,660	0.65	55,809
Age	40.64	684,530	36.76	35,983
male	0.60	684,530	0.61	35,983
Middle School Degree	0.46	684,530	0.57	35,983
High School Degree	0.38	684,530	0.32	35,983
College or more	0.16	684,530	0.11	35,983
Single	0.32	684,530	0.31	35,983
Married	0.60	684,530	0.50	35,983
Separated (non-legally)	0.01	684,530	0.06	35,983
Separated (legally)	0.03	684,530	0.05	35,983
Divorced	0.03	684,530	0.04	35,983
Widowed	0.01	684,530	0.04	35,983
Family Size	3.20	684,530	2.85	35,983
Share of 0-9 in the household	0.09	684,530	0.11	35,983
Share of 10-18 in the household	0.08	684,530	0.08	35,983
share of over 64 in the household	0.04	684,530	0.01	35,983
Foreign Population in province				
	Mean	Standard deviation	Observations	
Foreign Population in province	30,149.63	45,473.67	7	
Predicted Foreign Population (IV) in province	28,808.21	56,726.87	285	

Notes: The data sources are LFS (2006-2008), Municipal Records (2006-2008), and Minister of Interior for Residence Permits issued at the province level as of 1995.

Table 12 Summary Statistics, by sociodemographic sub-groups

	(1)	(2)	(3)
	Non-Standard Hours		
	Mean	Standard deviation	Observations
Overall	0.28	0.45	684,530
Men	0.31	0.46	406,111
Women	0.23	0.42	278,419
under 25	0.29	0.45	44,860
25-54	0.28	0.45	554,563
over 54	0.25	0.44	85,107
Low-Skilled	0.28	0.45	580,925
High-Skilled	0.27	0.44	103,605

Notes: The sample consists of working-age native population in the Italian LFS (2006-2008).

Table 13 Non-Standard Schedules in the Native Employed Population, by Occupation and Sector

	(1)	(2)	(3)
	Mean	Standard deviation	Observations
Occupation			
Managers	0.39	0.49	34,461
Professionals	0.27	0.44	69,755
Technicians	0.21	0.41	150,036
Clerks	0.13	0.33	74,034
Service workers	0.48	0.5	109,541
Skilled agricultural and fishery workers	0.21	0.4	125,929
Plant Machine Operators	0.39	0.49	58,343
Elementary Unskilled Occupations	0.20	0.4	55,118
Armed Forces	0.64	0.48	7,313
Sector			
Agriculture	0.41	0.49	32,285
Energy and Mining	0.30	0.46	6,050
Manufacturing	0.23	0.42	136,408
Construction	0.08	0.27	56,499
Retail	0.28	0.45	103,565
Hotel and Restaurant	0.75	0.43	32,354
Transports	0.38	0.49	35,031
Finance	0.11	0.32	22,844
Business Services	0.26	0.44	64,493
Public Sector	0.31	0.46	49,760
Education and Health	0.25	0.44	108,186
Other public and personal Services	0.29	0.45	37,055

Notes: The sample consists of working-age native population in the Italian LFS (2006-2008).

Table 14 Work at Nonstandard Hours, Employed Population

	(1)	(2)	(3)	(4)
Non-Standard Schedule	twice or more	once	never	no answer
8pm-11pm	14.52	5.41	79.95	0.12
later than 11pm	7.79	3.11	88.97	0.13
on Saturdays	38.17	9.38	52.28	0.17
on Sundays	13.09	5.71	81.07	0.13

Notes: The number of times on non-standard hours refer to a week in rows 1 and 2 and to a month in rows 3 and 4. The sample consists of working-age native population in the Italian LFS (2006-2008).

Table 15 First Stage

	(1)	(2)	(3)	(4)	(5)	(6)
Foreign Population (ISTAT, Municipal Records, 2006-2008)						
IV Foreign Population (1995, Residence Permits)	0.944***	0.933***	0.592***	0.680***	0.680***	0.682***
Source: Minister of Internal Affairs	(0.117)	(0.117)	(0.088)	(0.062)	(0.062)	(0.062)
Angrist-Pischke First Stage F	62.55	60.73	44.27	107.61	107.61	108.64
Angrist-Pischke First Stage R2	0.66	0.65	0.57	0.58	0.58	0.58
log (Total Population)	Yes	Yes	Yes	Yes	Yes	Yes
Individual & household characteristics	No	Yes	Yes	Yes	Yes	Yes
Trimester FE	No	No	Yes	Yes	Yes	Yes
Year FE	No	No	Yes	No	No	No
Region FE	No	No	Yes	No	No	No
Region-Year FE	No	No	No	Yes	Yes	Yes
Sector	No	No	No	Yes	Yes	Yes
Province Characteristics as of 1995	No	No	No	Yes	Yes	Yes
Occupation	No	No	No	No	Yes	Yes
Past non-standard schedule as of 1994	No	No	No	No	No	Yes
Observations	684,530	684,530	684,530	684,530	684,530	684,530

Standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Notes: The sample considered is the overall working age population (15-64) employed at the time of the interview. All the estimates are weighted using the weights provided in the LFS. This table reports the estimates of the first-stage. The Angrist-Pischke (AP) first-stage F statistics is a test of under identification and weak identification constructed by partialling-out linear projections of the remaining endogenous regressors. The sample considered is the overall working age population (15-64) employed at the time of the interview. Standard errors are clustered at the province level. The data sources are LFS (2006-2008 and 1994), Municipal Records (2006-2008), ISTAT Province Accounts (1995) and Minister of Interior for Residence Permits issued at the province level as of 1995.

Table 16 Immigration and Wages, LFS 2009 (2 trimesters), 2SLS

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Overall	Men	Women	Under 25	25-54	Over 54	Low-Skilled	High-Skilled
log (Foreign Population)	0.015	0.008	0.023	0.060**	0.011	0.014	0.011	0.039*
	(0.010)	(0.011)	(0.014)	(0.031)	(0.011)	(0.023)	(0.011)	(0.020)
Observations	80,546	44,416	36,130	5,259	65,712	9,575	67,418	13,128

Standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Notes: The sample considered is the overall working age population (15-64) employed at the time of the interview. All estimates follow the baseline specification (see col.4, Table 2). Standard errors are clustered at the province level. I use data for the first 2 trimesters of 2009 LFS since information on wages is not available for previous years of the LFS. Standard errors are clustered at the province level. The data sources are LFS (2009), Municipal Records (2008), ISTAT Province Accounts (1995) and Minister of Interior for Residence Permits issued at the province level as of 1995.