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Immigrant women's employment patterns. Disentangling the effects of ethnic origin, religious affiliation and religiosity

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RELIGIOUS CHANGE AND THE SHAPING OF SOLIDARITY
AND SOCIAL PARTICIPATION IN A TROUBLED EUROPE

RAFFAELE GUETTO and IVANA FELLINI

Immigrants women's employment patterns

Disentangling the effects of ethnic origin, religious affiliation and religiosity

Supplementary materials

Additional information on data sources used in the article *Immigrant women's employment patterns: disentangling the effects of ethnic origin, religious affiliation and religiosity*
by RAFFAELE GUETTO and IVANA FELLINI

The *Condizione e Integrazione sociale dei Cittadini Stranieri* (CISCS) survey

The Italian CISCS survey, carried out by Istat, has a target sample of households regularly residents in Italy with at least an immigrant component, which are located through the municipality registers on all regularly resident individuals. In the survey immigrant status is defined by citizenship. However, it should be underlined that in the period in which interviews have been carried out (May 2011 – November 2012), a very small fraction of the immigrant population possessed the Italian citizenship. For instance, data from the Italian Ministry of Interior show that throughout 1999 and 2012 only about 350,000 citizenship acquisitions occurred – in 2012 there were about 4 million regularly resident foreign citizens –, to a large extent female immigrants who obtained the Italian citizenship via marriage.

The final sample consisted of 9,553 households, for a total of 25,326 interviewees. Since all household members were interviewed, the survey also includes Italian citizens born in Italy but living with a foreign citizen. The response rate was 85.4%. The sampling has followed a two-stage procedure. In fact, households with an immigrant component constitute second-stage sampling units, with first-stage sampling units being the 7,982 Italian municipalities, which have been assigned a probability of selection proportional to the size of the immigrant population. However, in the second stage the sampling procedure took into account the high concentration of the immigrant population in Northern regions, so that the final sample over-represent immigrants resident in Southern regions (in the empirical analyses of the paper we dealt with this by applying the appropriate weights provided by Istat).

Interviews were carried out by means of CAPI and the questionnaires have been translated in 10 languages (English, French, Spanish, German, Romanian, Albanian, Polish, Russian, Arabic and Chinese). More information (including details on how to access the data) can be found at the following link: http://www.istat.it/en/archive/191097

Syntax for the empirical elaborations presented in the article *Immigrant women's employment patterns: disentangling the effects of ethnic origin, religious affiliation and religiosity*
by RAFFAELE GUETTO and IVANA FELLINI

*** **Immigrant women's employment patterns: disentangling the effects of ethnic origin, religious affiliation and religiosity - DATASET Preparation** ***

****

**** Starts from individuals' dataset of the CISCS ****

****

use "$data\stranieri_f02.dta", clear

rename anno_int mese_int imc_clas, upper

destring ANNO_INT, replace

* 25326 total obs.

count

****

**** SAMPLE SELECTION ****

****

* STEP 1: I keep 1st gen migrants entered between 15-60

* First, I eliminate migrant generations we are not interested in

* (with this selection I already exclude those with Italian citizenship at birth, "SG16A==1")

keep if GENERAZ==3 | GENERAZ==4

* 15427 cases

count

* Then I keep only those first entered in Italy between 15 and 60yo

* "ETA_ARR" includes age at LAST arrival (or unique for those who moved to Italy only once).

* "ETA_PRIM" includes age at FIRST arrival for immigrants who arrived to Italy more than once.

* Since we consider any work experience in Italy, for those with more arrivals we consider "ETA_PRIM"

drop if (ETA_ARR<15 | ETA_ARR>60) & ETA_PRIM==.

drop if (ETA_PRIM<15 | ETA_PRIM>60) & (ETA_PRIM!=. & ETA_PRIM!=99)

* For missing age at first arrival, we use age at last arrival

drop if (ETA_ARR<15 | ETA_ARR>60) & ETA_PRIM==99

* 14787 cases

count

* Now I select based on age at interview (18-65).

* SG_20 can be dropped

drop SG20

rename SG21 age

keep if age>=18 & age<=65

* 14508

count

* I select women

rename SG11 sex

keep if sex==2

* 8212

count

****

**** DEP VAR: LABOUR MARKET CAREER ***

****

** Ever worked in COUNTRY OF ORIGIN (it corresponds here to the COUNTRY OF BIRTH!)

* Never worked in country of birth

gen work_or=0 if LAV_OR1==2

replace work_or=1 if LAV_OR1==1

la var work_or "work_birth"

** Ever worked in ITALY

* "LAV_ITA1=1" identifies those who have ever worked in Italy > 6009 (73.2%)

* "LAV_ATT1": 58 CASES THAT DECLARED NOT HAVING WORKED IN ITALY ARE RECOVERED IN EMPLOYMENT

* STATUS IN THE REFERENCE WEEK

* tab LAV_ITA1 LAV_ATT1

* "LAV_ATT2": Additional 11 cases among those who were absent from work in the reference week.

* tab LAV_ITA1 LAV_ATT2

* "LAV_ATT2BIS==1" identifies cases who have declared to have never worked in Italy ("LAV_ITA1=2")

* and not to have a job ("LAV_ATT1!=1 and LAV_ATT2!=1"), but that have ever had a job since they FIRST arrived in Italy):

* additional 25 cases (for whom we do not have the CP2011).

* tab1 LAV_ITA1 LAV_ATT1 LAV_ATT2 if LAV_ATT2BIS==1

* Never worked and not working in the reference week

```
gen work_it=0 if LAV_ITA1==2 & (LAV_ATT1==2 | LAV_ATT1==3)
* Ever worked or working at interview (even if absent in the reference week)
replace work_it=1 if LAV_ITA1==1 | LAV_ATT1==1 | LAV_ATT2==1
* Never worked and not working BUT have had job since FIRST arrived
replace work_it=1 if work_it==0 & LAV_ATT2BIS==1

la var work_it "work_Italy"

* 6009+58+11+25=6103 > OK!
* tab work_it

** Currently working in ITALY

recode COND5 (1/3=2 "Employed") (4=1 "Unemployed") (5=0 "Not employed"), gen(work_now)
* recode COND5 (1/4=1 "Active") (5=0 "Inactive"), gen(active_now)

la var work_now "work_now"
* la var active_now "active_now"

**********
* INDEP. VAR1: RELIGIOSITY *
**********

* Relig DENOMINATION
recode INT_REL1 (2=1 "Muslim") (3=2 "Catholic") (4=0 "Orthodox") (5 7 8 12=3 "Other Christian") (6 9 10 11 13=4 "Other non-Christ") (1=5 "None") (99 .=6 "Missing"), gen(relig_den)
la var relig_den "relig denomination"
```

```
tab relig_den [aw=COEFFIN]


* ATTENDANCE

recode INT_REL2 (1=5 "Everyday") (2=4 "Some_week") (3=3 "Once_week") (4=2
"Some_month") (5=1 "Some_year") (6=0 "Never") (9=.), gen(attend)

la var attend "attendance"

* PRAY

recode INT_REL3 (1=5 "Everyday_more") (2=4 "Everyday_once") (3=3 "Once_week") (4=2
"Some_month") (5=1 "Some_year") (6=0 "Never") (9=.), gen(pray)

la var pray "pray"

* IMPORTANCE OF RELIG

recode INT_REL6 (99=.), gen(imprelig)

la var imprelig "importance of relig"


* Flag for missing on religiosity measures

* 1107 missings on 8212 cases (13.5%)

gen miss=1 if pray==. | attend==. | imprelig==.

tab miss

* 691/1107 are those without religious denomination,

* AMONG THOSE WITH RELIG_DEN<=4, MISSINGS ARE 5.5%

tab miss if relig_den!=5 & relig_den!=6


* Factor score for relig based on polychoric correlation matrix

polychoric imprelig attend pray [aw=COEFFIN]

di r(N)

tabstat imprelig attend pray if imprelig!=. & attend!=. & pray!=. [aw=COEFFIN], stat(mean) save

tabstatmat mean

tabstat imprelig attend pray if imprelig!=. & attend!=. & pray!=. [aw=COEFFIN], stat(sd) save
```

```
tabstatmat sd
matrix C = (1.000, 0.3871145, 0.59338031, 1.000, 0.50390384, 1.000)
factormat C, n(7105) shape(upper) sds(sd) means(mean) names(imprelig attend pray) pcf
predict relig

* Standardised Item Alpha = .74
* SIA = (K * Rm) / [1 + ((K - 1) * Rm)]
di (0.3871145+0.59338031+0.50390384)/3
di (3 * .49) / [1 + (2 * .49)]

* Does metric invariance by relig_den hold?
* Alpha goes from .72 among Muslims to .82 among Other non-Christian.
* The real issue is "attend" among Muslims.
* Orthodox: (3 * .48) / [1 + (2 * .48)] = .73
polychoric imprelig attend pray [aw=COEFFIN] if relig_den==0
* Muslim: (3 * .46) / [1 + (2 * .46)] = .72
polychoric imprelig attend pray [aw=COEFFIN] if relig_den==1
* Catholic: (3 * .54) / [1 + (2 * .54)] = .78
polychoric imprelig attend pray [aw=COEFFIN] if relig_den==2
* Other Christian: (3 * .55) / [1 + (2 * .55)] = .79
polychoric imprelig attend pray [aw=COEFFIN] if relig_den==3
* Other non-Christian: (3 * .61) / [1 + (2 * .61)] = .82
polychoric imprelig attend pray [aw=COEFFIN] if relig_den==4

**********
** INDEP. VAR2: COUNTRY OF BIRTH **
**********
```

recode STATO_NAS /*

/ (100 202 203 206 212 214 215 216 219 220 221 223 225 226 227 229 231 232 234 236 239 240 241 246 326 454 509 536 701 719 987 988=0 "EU15+HD")/

/ (503 505 506 507 513 514 515 516 517 518 519 523 524 525 527 529 530 532 533 534 602 605 606 612 614 616 617 618 619 985 986 989=1 "Latin")/

/ (201 209 233 235 243 244 245 247 248 249 250 251 252 253 254 255 256 257 270 271 272=2 "East-Europe")/

/ (305 306 307 309 310 311 314 319 320 323 330 331 336 338 339 340 341 342 346 349 353 356 357 361 362 363 364 703 708 712 713 715 720 721 725 727 730 731 732 983 984=3 "Asia")/

/ (301 302 304 315 322 324 327 332 333 334 335 337 343 344 345 348 351 354 358 359 360 401 419 431 435 436 437 442 453 455 460=4 "MENA")/

/ (402 404 406 408 409 410 411 413 414 415 417 418 420 421 422 423 424 425 426 427 428 429 430 432 434 438 440 441 443 446 448 449 450 451 456 457 458 461 463 464 465 466 467=5 "Other Africa")/

*/ (604 608 609 615=6 "Andeans") (998 999=.), gen(countryb)

la var countryb "Country of birth"

recode countryb (0=1 "EU15+HD") (1 6=2 "Latin") (2=0 "East-Europe") (3=3 "Asia") (4=4 "MENA") (5=5 "Other Africa"), gen(countryb2)

* countryb - Muslims

recode countryb (2=0 "East-Europe") (4=1 "MENA") (3=2 "Asia") (5=3 "Africa") (0 1 6=.), gen(countryM)

* countryb - Catholic

recode countryb (0=0 "EU15+HD") (1 6=1 "Latin") (2=2 "East-Europe") (3=3 "Asia") (5=4 "Other Africa") (4=.), gen(countryC)

* countryb - Other Christian

recode countryb (0 1 6=0 "HD+Latin") (2=1 "East-Europe") (3 4 5=2 "Other"), gen(countryOC)

* countryb - none/missing

recode countryb (0 1 6=0 "HD+Latin") (2=1 "East-Europe") (3 4 5=2 "Other"), gen(countryNM)

```
gen relig_country=.
* MUSLIMS
replace relig_country=0 if relig_den==1 & countryM==1
replace relig_country=1 if relig_den==1 & countryM==2
replace relig_country=2 if relig_den==1 & countryM==0
replace relig_country=3 if relig_den==1 & countryM==3
* OTHER NON-CHRISTIAN
replace relig_country=4 if relig_den==4
* ORTHODOX
replace relig_country=5 if relig_den==0
* CATHOLIC
replace relig_country=6 if relig_den==2 & countryC==0
replace relig_country=7 if relig_den==2 & countryC==1
replace relig_country=8 if relig_den==2 & countryC==2
replace relig_country=9 if relig_den==2 & countryC==3
replace relig_country=10 if relig_den==2 & countryC==4
* OTHER CHRISTIAN
replace relig_country=11 if relig_den==3 & countryOC==0
replace relig_country=12 if relig_den==3 & countryOC==1
replace relig_country=13 if relig_den==3 & countryOC==2
* NONE/MISSING
replace relig_country=14 if (relig_den==5 | relig_den==6) & countryNM==0
replace relig_country=15 if (relig_den==5 | relig_den==6) & countryNM==1
replace relig_country=16 if (relig_den==5 | relig_den==6) & countryNM==2

label define relig_country/*
*/ 0 "Muslim_MENA" 1 "Muslim_Asia" 2 "Muslim_East" 3 "Muslim_Africa"/*
```

/ 4 "OthNC"/

/ 5 "Orth"/

/ 6 "Cath_EU15+HD" 7 "Cath_Latin" 8 "Cath_East" 9 "Cath_Asia" 10 "Cath_Africa"/

/ 11 "OthC_HD+Latin" 12 "OthC_East" 13 "OthC_Other"/

*/ 14 "NM_HD+Latin" 15 "NM_East" 16 "NM_Other"

la val relig_country relig_country

****

**** Control variables ****

****

** Age at first arrival

gen age_origin=ETA_ARR if ETA_PRIM==. | ETA_PRIM==99

replace age_origin=ETA_PRIM if ETA_PRIM!=. & ETA_PRIM!=99

** Years since migration (first arrival)

* Based on year (and not age) > Prefer this since year of interview is more straightforward

rename PM_AS1Costr year_last

rename PM_PS2Costr year_first

gen year_origin=year_last if year_first==. | year_first==9998

replace year_origin=year_first if year_first!=. & year_first!=9998

gen YSM=ANNO_INT-year_origin

** HIGHEST LEVEL OF EDUC

```
recode TIT_STUD (0/1=0 "Primary") (2=1 "Low-sec") (3/5=2 "Upper secondary") (6/7=3
"Tertiary"), gen(edu4)

label var edu4 "Educational level"

* tab TIT_STUD edu4


** LANGUAGE SKILLS


* recode INT_LI1 (3=2)

clonevar lang_origin=INT_LI1


** REASON FOR MIGRATING


gen econmig=0

replace econmig=1 if PM_MIG1Cost_1==1 | PM_MIG1Cost_2==2


gen family=0

replace family=1 if PM_MIG1Cost_4==4


/*

gen refugee=0

replace refugee=1 if PM_MIG1Cost_7==7 | PM_MIG1Cost_8==8


gen other=0

replace other=1 if PM_MIG1Cost_3==3 | PM_MIG1Cost_5==5 | PM_MIG1Cost_6==6 |
PM_MIG1Cost_9==9 | PM_MIG1Cost_10==10 | PM_MIG1Cost_11==11

*/


**********
```

**** Intervenient variables ****

****

** GENDER ATTITUDES

tab1 FAM_OPI1A FAM_OPI1ABIS FAM_OPI1C FAM_OPI1F FAM_OPI1B FAM_OPI1CD

fre FAM_OPI1A

recode FAM_OPI1A FAM_OPI1ABIS FAM_OPI1C FAM_OPI1F FAM_OPI1B FAM_OPI1CD (8=.)

* Reverse pole "FAM_OPI1A" "FAM_OPI1ABIS" "FAM_OPI1C" "FAM_OPI1F" (traditional)

recode FAM_OPI1A FAM_OPI1ABIS FAM_OPI1C FAM_OPI1F (1=4) (2=3) (3=2) (4=1)

polychoric FAM_OPI1A FAM_OPI1ABIS FAM_OPI1C FAM_OPI1F FAM_OPI1B FAM_OPI1CD [aw=COEFFIN]

di r(N)

tabstat FAM_OPI1A FAM_OPI1ABIS FAM_OPI1C FAM_OPI1F FAM_OPI1B FAM_OPI1CD if/*

*/ FAM_OPI1A!=. & FAM_OPI1ABIS!=. & FAM_OPI1C!=. & FAM_OPI1F!=. & FAM_OPI1B!=. & FAM_OPI1CD!=. [aw=COEFFIN], stat(mean) save

tabstatmat mean

tabstat FAM_OPI1A FAM_OPI1ABIS FAM_OPI1C FAM_OPI1F FAM_OPI1B FAM_OPI1CD if/*

*/ FAM_OPI1A!=. & FAM_OPI1ABIS!=. & FAM_OPI1C!=. & FAM_OPI1F!=. & FAM_OPI1B!=. & FAM_OPI1CD!=. [aw=COEFFIN], stat(sd) save

tabstatmat sd

matrix C = (1.000, 0.75660069, 0.59213562, 0.43386574, 0.19665167, 0.30301828,/*

/ 1.000, 0.64264088, 0.4856583, 0.3456878, 0.41208127,/

/ 1.000, 0.52874596, 0.29985028, 0.28667174,/

/ 1.000, 0.20130431, 0.18599171,/

```
*/ 1.000, 0.42683126,/*

*/ 1.000)

factormat C, n(8125) shape(upper) factor(2) sds(sd) means(mean) names(FAM_OPI1A
FAM_OPI1ABIS FAM_OPI1C FAM_OPI1F FAM_OPI1B FAM_OPI1CD) pcf

rotate, promax

* Correlation is .36

estat common

predict gendatt1 gendatt2


* SIA gendatt1: di (4 * .57) / [1 + (3 * .57)] = .84

* SIA gendatt2: di (2 * .43) / [1 + (1 * .43)] = .60


** MARITAL STATUS


recode SG22 (1 3 4 5 6=0 "No") (2=1 "Yes"), gen(married)


** COHABITING CHILDREN


recode FAM8 (1=1 "Yes") (2=0 "No"), gen(children)


gen children_alive=FAM9

replace children_alive=0 if children==0


gen noncoh_children=FAM17

replace noncoh_children=0 if FAM16==2 | children==0


gen children_home=children_alive-noncoh_children
```

recode children_home (0=0) (1=1) (2=2) (3/8=3)

****

**** Descriptives – ILFS ****

****

WARNING: THE FIRST PART OF THESE "DESCRPTIVES" (TAB. 1 IN THE PAPER) ARE NOT BASED ON THE "CISCS" SURVEY BUT ON THE ITALIAN LABOUR FORCE SURVEY (ILFS 2011-2012).

* Descriptives from ILFS 2011-2012

/*

use RCFL_2011, clear

append using RCFL_2012

recode nasses/*

/ (202 203 206 212/232 234 236 239 240 241 246 326 334 509 536 701 719=1 "EU15+HD") /

/ (201=2 "Albania") /

/ (250/253 270 271 272=3 "Ex-Yugo") /

/ (209 233 235 243 244 245 247 248 249 254/257=4 "Other East-Europe") /

/ (301 302 315 324 327 332 333 335 337 344 345 348 351 354 358 359 360 401 419 415 431 435 436 437 442 453 455 460 466=5 "MENA") /

/ (402/413 418 420/426 428 430 432 438 440 441 443/451 454 456 457 458 461 463 464 465=6 "Other Africa") /

/ (305=7 "Bangladesh") /

/ (330=8 "India") /

/ (306 307 310 311 314 319 320 323 331 336 340 341 342 346 349 353 356 357 361 362 363 364 703 731=9 "Other Asia") /

*/ (513/530 602/619=10 "C/S America"), gen(areab11)

```
replace areab11=0 if sg13==1

recode areab11 (0=0 "native-ita") (1=1 "EU15+HD") (2/4=2 "East-Europe") (5=3 "MENA") (6=4
"Other Africa") (7/9=5 "Asia") (10=6 "Latin"), gen(areab7)

keep if etam>17 & etam<66

gen yearb=anno-etam

rename sg18b year_arrival

destring year_arrival, replace

replace year_arrival=. if year_arrival==997

gen age_origin=year_arrival-yearb

drop if (age_origin<15 | age_origin>60) & areab11!=0

gen unemp=0 if cond3==1

replace unemp=1 if cond3==2

gen active=0 if cond3==3

replace active=1 if cond3==1 | cond3==2

recode sg11 (1=0) (2=1), gen(female)

tab areab11 [aw=coef] if female==0 & areab11!=0

tab areab7 unemp [aw=coef] if female==0, row nofreq

tab areab11 unemp [aw=coef] if female==0, row nofreq

tab areab7 active [aw=coef] if female==0, row nofreq
```

```
tab areab11 active [aw=coef] if female==0, row nofreq

tab areab11 [aw=coef] if female==1 & areab11!=0

tab areab7 unemp [aw=coef] if female==1, row nofreq

tab areab11 unemp [aw=coef] if female==1, row nofreq

tab areab7 active [aw=coef] if female==1, row nofreq

tab areab11 active [aw=coef] if female==1, row nofreq

*/
```

****

**** Descriptives – CSICS (TABLES 2 AND 3 IN THE PAPER) ****

****

```
tab edu4, gen(educa)

tab lang_origin, gen(langor)

tab work_now, gen(workn)

est clear

bys relig_den: eststo:  estpost sum ///

                work_or work_it workn* educa* age_origin family econmig langor* YSM [aw=COEFFIN]

esttab using "$results\desc.rtf" , cells("mean(fmt(2))sd(par fmt(2))" ) wide label nodepvar replace nogaps


* RELIGIOSITY

tab attend, gen(atte)

tab pray, gen(pra)

est clear

bys relig_den: eststo:  estpost sum ///
```

relig imprelig atte* pra* [aw=COEFFIN] if relig!=.

esttab using "$results\desc1.rtf" , cells("mean(fmt(2))sd(par fmt(2))") wide label nodepvar replace nogaps

* INTERVENIENT VARs

tab children_home, gen(chome)

est clear

bys relig_den: eststo: estpost sum ///

gendatt1 gendatt2 married chome* [aw=COEFFIN] if relig!=. & gendatt1!=.

esttab using "$results\desc2.rtf" , cells("mean(fmt(2))sd(par fmt(2))") wide label nodepvar replace nogaps

* **FOR TABLE 3 IN THE PAPER**

recode relig_den (6=5), gen(relig_den2)

tab relig_den2 countryb2, row col

****

**** REGRESSION MODELS ****

****

**** H1: EFFECT OF RELIGIOUS DENOMINATION ****

*** FOR TABLE 4 IN THE PAPER:**

sum YSM age_origin

gen YSMc=YSM-9.514369

gen age_originc=age_origin-30.01632

gen weight=COEFFIN/100000000

```
save "$data\RIS_relig.dta", replace

use "$data\RIS_relig.dta", clear


* Without controlling for area of birth

biprobit (work_or i.relig_den edu4##c.age_originc##c.age_originc)/*

*/ (work_it i.relig_den c.YSMc##c.YSMc i.lang_origin i.family i.econmig i.edu4
c.age_originc##c.age_originc) [pw=weight]

est store nocountryb

outreg2 [nocountryb] using "$results\nocountryb.xls", label excel replace

* margins relig_den, predict(pmarg1)

* margins relig_den, predict(pmarg2)


* Controlling for area of birth

biprobit (work_or i.relig_den i.countryb2 edu4##c.age_originc##c.age_originc)/*

*/ (work_it i.relig_den i.countryb2 c.YSMc##c.YSMc i.lang_origin i.family i.econmig i.edu4
c.age_originc##c.age_originc) [pw=weight]

est store countryb

outreg2 [countryb] using "$results\countryb.xls", label excel replace

* margins relig_den, predict(pmarg1)

* margins relig_den, predict(pmarg2)


/*

qui: reg work_it i.relig_den i.countryb2 c.YSMc##c.YSMc i.lang_origin i.family i.econmig i.edu4
c.age_originc##c.age_originc [pw=weight]

margins relig_den

vif

qui: reg work_it i.relig_den i.countryb2 c.YSMc##c.YSMc i.lang_origin i.family i.econmig i.edu4
c.age_originc##c.age_originc

margins relig_den
```

*/

*** FOR FIGURE 1 IN THE PAPER**

* Relig_country

biprobit (work_or i.relig_country edu4##c.age_originc##c.age_originc)/*

*/ (work_it i.relig_country c.YSMc##c.YSMc i.lang_origin i.family i.econmig i.edu4 c.age_originc##c.age_originc) [pw=weight]

* est store relig_country

* outreg2 [relig_country] using "$results\relig_country.xls", label excel replace

* work_or: .5155153

margins, predict(pmarg1)

margins relig_country, predict(pmarg1) level(90)

* work_it: .7357822

margins, predict(pmarg2)

margins relig_country, predict(pmarg2) level(90)

preserve

clear

input/*

*/ estimation	lower	upper	relig_country	place	relig_den
.3009315	.2656341	.3362288	0	0	0
.1321757	.0606666	.2036848	1	0	0
.3885993	.3441595	.4330391	2	0	0
.3318675	.2283402	.4353947	3	0	0
.4137551	.3621757	.4653346	4	0	1
.5896502	.5699611	.6093393	5	0	2
.6537197	.5795851	.7278542	6	0	3
.6420644	.603719	.6804098	7	0	3

.5507892	.5203581	.5812202	8	0	3
.4607713	.3975631	.5239795	9	0	3
.4582993	.3729027	.5436959	10	0	3
.7161762	.6267878	.8055646	11	0	4
.6593479	.5522148	.766481	12	0	4
.5004253	.4040811	.5967696	13	0	4
.5168289	.4798772	.5537805	0	1	0
.5794964	.4626843	.6963086	1	1	0
.6056749	.5621445	.6492054	2	1	0
.7571195	.676385	.8378541	3	1	0
.6644399	.6189433	.7099365	4	1	1
.8334586	.8173662	.849551	5	1	2
.7522388	.6805549	.8239226	6	1	3
.8139145	.7832936	.8445354	7	1	3
.7699531	.7417978	.7981085	8	1	3
.8265862	.7713201	.8818523	9	1	3
.7143418	.6387998	.7898837	10	1	3
.7784981	.7054734	.8515229	11	1	4
.8199817	.7517272	.8882362	12	1	4
.7313507	.6488437	.8138576	13	1	4

end

* margins work_or: .5155153; work_it: .7357822

replace relig_country=relig_country+.5 if place==1

replace relig_country=relig_country+1 if relig_den==1

replace relig_country=relig_country+2 if relig_den==2

replace relig_country=relig_country+3 if relig_den==3

replace relig_country=relig_country+4 if relig_den==4

tw(bar estimation relig_country if place==0) (rcap upper lower relig_country if place==0)/*

/ (bar estimation relig_country if place==1) (rcap upper lower relig_country if place==1)/

*/, graphregion(c(white)) legend(row(1)) name(margins_workRR, replace) scheme(s1mono)

restore

**** H2: EFFECT OF RELIGIOSITY, by relig_den ****

*** FOR FIGURE 2**

* MUSLIMS

biprobit (work_or c.relig i.countryM edu4##c.age_origin##c.age_origin)/*

*/ (work_it c.relig i.countryM c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age_origin##c.age_origin) [pw=weight] if relig_den==1

margins, dydx(relig) predict(pmarg1) level(95)

margins, dydx(relig) predict(pmarg2) level(95)

/*

reg work_it c.relig i.countryM c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age_origin##c.age_origin [pw=weight] if relig_den==1

vif

reg work_it c.relig i.countryM c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age_origin##c.age_origin if relig_den==1

*/

* OTHER NON-CHRISTIAN

biprobit (work_or c.relig edu4##c.age_origin##c.age_origin)/*

*/ (work_it c.relig c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age_origin##c.age_origin) [pw=weight] if relig_den==4

margins, dydx(relig) predict(pmarg1) level(95)

margins, dydx(relig) predict(pmarg2) level(95)

* ORTHODOX

biprobit (work_or c.relig edu4##c.age_origin##c.age_origin)/*

*/ (work_it c.relig c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age_origin##c.age_origin) [pw=weight] if relig_den==0

margins, dydx(relig) predict(pmarg1) level(95)

margins, dydx(relig) predict(pmarg2) level(95)

* CATHOLIC

biprobit (work_or c.relig i.countryC edu4##c.age_origin##c.age_origin)/*

*/ (work_it c.relig i.countryC c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age_origin##c.age_origin) [pw=weight] if relig_den==2

margins, dydx(relig) predict(pmarg1) level(95)

margins, dydx(relig) predict(pmarg2) level(95)

* OTHER CHRISTIAN

biprobit (work_or c.relig i.countryOC edu4##c.age_origin##c.age_origin)/*

*/ (work_it c.relig i.countryOC c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age_origin##c.age_origin) [pw=weight] if relig_den==3

margins, dydx(relig) predict(pmarg1) level(95)

margins, dydx(relig) predict(pmarg2) level(95)

/* INTERACTION EFFECTS WOULD GIVE VERY SIMILAR RESULTS

biprobit (work_or c.relig##relig_den i.countryb2 edu4##c.age_originc##c.age_originc)/*

*/ (work_it c.relig##relig_den i.countryb2 c.YSMc##c.YSMc i.lang_origin i.family i.econmig i.edu4 c.age_originc##c.age_originc) [pw=weight]

*/

* Graph for relig

preserve

clear

input/*

*/ estimation lower upper relig_den place relig

-.058499 -.0911611 -.0258369 00 0

-.0844903 -.1192335 -.0497471 0 1 0

-.0804212 -.1329147 -.0279277 1 0 1

-.064834 -.1143149 -.015353 1 1 1

.0150158 -.0087441 .0387757 2 0 2

-.0086766 -.0262057 .0088525 2 1 2

.0148088 -.0148745 .044492 3 0 3

.0054653 -.0201169 .0310475 3 1 3

.0330817 -.0251533 .0913166 4 0 4

-.0175868 -.0561712 .0209976 4 1 4

end

replace relig_den=relig_den+.75 if place==1

replace relig_den=relig_den+1 if relig==1

replace relig_den=relig_den+2 if relig==2

replace relig_den=relig_den+3 if relig==3

replace relig_den=relig_den+4 if relig==4

tw(bar estimation relig_den if place==0) (rcap upper lower relig_den if place==0)/*

/ (bar estimation relig_den if place==1) (rcap upper lower relig_den if place==1)/

*/, yline(0) graphregion(c(white)) legend(row(1)) name(religRR, replace) scheme(s1mono)

restore

**** H3: UNEMP/INACTIVITY AND THE ROLE OF GENDATT AND FAMILY VARIABLES ****

*** FOR TABLE 5**

* Unemployment is defined more by area of birth than religion, while the opposite holds for inactivity.

mlogit work_now c.relig i.relig_den i.countryb2 c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age##c.age [pw=weight] if gendatt1!=., base(2)

```
est store work_now

outreg2 [work_now] using "$results\work_now.xls", label excel replace

margins countryb2 relig_den, predict(outcome(0)) level(90)

margins countryb2 relig_den, predict(outcome(1)) level(90)

margins, dydx(relig) predict(outcome(0)) level(95)

mlogit work_now i.children_home i.married gendatt1 gendatt2 relig i.relig_den i.countryb2 c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age##c.age [pw=weight] if gendatt1!=., base(2)

est store worknow_int

outreg2 [worknow_int] using "$results\worknow_int.xls", label excel replace

margins countryb2 relig_den, predict(outcome(0)) level(90)

margins countryb2 relig_den, predict(outcome(1)) level(90)

margins, dydx(relig) predict(outcome(0)) level(95)


/*

mlogit work_now relig i.countryM c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age##c.age [pw=weight] if gendatt1!=. & relig_den==1, base(2)

margins, dydx(relig) predict(outcome(0)) level(90)

mlogit work_now relig gendatt1 gendatt2 i.married i.children_home i.countryM c.YSM##c.YSM i.lang_origin i.family i.econmig i.edu4 c.age##c.age [pw=weight] if gendatt1!=. & relig_den==1, base(2)

margins, dydx(relig) predict(outcome(0)) level(90)

*/


**********************************************************************

* ROBUSTNESS: how religiosity responds to YSM (note 8 in the paper) *

**********************************************************************


/*

reg relig i.relig_country i.edu4 c.age_origin##c.age_origin c.YSM##c.YSM [pw=weight]
```

```
sum age_origin YSM if e(sample), detail

margins, at(age_origin==(15(5)60)) level(90)

marginsplot, graphregion(c(white))

margins, at(YSM==(0(1)20)) level(90)

marginsplot, graphregion(c(white))

*/
```