

APPENDIX C. REDACTED TEAM CODES

The following lists each team's code with all note, names, file paths and any potential identifying information redacted. Preceding each code chunk is the team number, software and version; where versions are "ORIGINAL" and "CURATED". Some teams used different software to prepare data and run models, for these teams there are two headings (e.g., Team 1). All code designated with Courier New font and grey shading.

Team: 1

Software: Stata

Version: ORIGINAL

```
use "ZA2900.dta", clear

rename v2 id
lab var id "id"

gen year = 1996
lab var year "year"

gen oldagecare = .
replace oldagecare = 0 if v39 >= 3 & v39 <= 4
replace oldagecare = 1 if v39 >= 1 & v39 <= 2
lab var oldagecare "old age care"

gen unemployment = .
replace unemployment = 0 if v41 >= 3 & v41 <= 4
replace unemployment = 1 if v41 >= 1 & v41 <= 2
lab var unemployment "unemployment"

gen incomedifferences = .
replace incomedifferences = 0 if v42 >= 3 & v42 <= 4
replace incomedifferences = 1 if v42 >= 1 & v42 <= 2
lab var incomedifferences "income differences"

gen job = .
replace job = 0 if v36 >= 3 & v36 <= 4
replace job = 1 if v36 >= 1 & v36 <= 2
lab var job "job"

gen cntry = .
replace cntry = 36 if v3 == 1
replace cntry = 276 if v3 == 2 | v3 == 3
replace cntry = 826 if v3 == 4
replace cntry = 840 if v3 == 6
replace cntry = 348 if v3 == 8
replace cntry = . if v3 == 9
replace cntry = 372 if v3 == 10
replace cntry = 578 if v3 == 12
replace cntry = 752 if v3 == 13
replace cntry = 203 if v3 == 14
replace cntry = 705 if v3 == 15
replace cntry = 616 if v3 == 16
replace cntry = . if v3 == 17
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replace cntry = 643 if v3 == 18
replace cntry = 554 if v3 == 19
replace cntry = 124 if v3 == 20
replace cntry = . if v3 == 21
replace cntry = 376 if v3 == 22 | v3 == 23
replace cntry = 392 if v3 == 24
replace cntry = 724 if v3 == 25
replace cntry = 428 if v3 == 26
replace cntry = 250 if v3 == 27
replace cntry = . if v3 == 28
replace cntry = 756 if v3 == 30
lab var cntry "cntry"

gen female = v200==2 if v200 != .
lab var female "female"
lab def female 0 "male" 1 "female"
lab val female female

gen age = v201
gen age2 = age * age
lab var age "age"
lab var age2 "age squared"

gen educ = .
replace educ = 0 if v205 >= 1 & v205 <= 4
replace educ = 1 if v205 == 5 | v205 == 6
replace educ = 2 if v205 == 7
lab var educ "education"
lab def educ 0 "primary" 1 "secondary" 2 "tertiary"
lab val educ educ

gen employment = .
replace employment = 0 if v206 == 2 | v206 == 3
replace employment = 1 if v206 == 4 | (v206 >= 6 & v206 <=10)
replace employment = 2 if v206 == 5
replace employment = 3 if v206 == 1
lab var employment "employment"
lab def employment 0 "part-time" 1 "not active" 2 "active unemployed" 3 "full-time"
lab val employment employment

rename v325 weight
lab var weight "weight"
keep id year cntry oldagecare unemployment incomedifferences job female age age2 educ
    employment weight
drop if cntry == .
save "temp_1996.dta", replace

use "ZA4700.dta", clear

rename V2 id
lab var id "id"

gen year = 2006
lab var year "year"

gen oldagecare = .
replace oldagecare = 0 if V28 >= 3 & V28 <= 4
replace oldagecare = 1 if V28 >= 1 & V28 <= 2
lab var oldagecare "old age care"

gen unemployment = .
replace unemployment = 0 if V30 >= 3 & V30 <= 4

```

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replace unemployment = 1 if V30 >= 1 & V30 <= 2
lab var unemployment "unemployment"

gen incomedifferences = .
replace incomedifferences = 0 if V31 >= 3 & V31 <= 4
replace incomedifferences = 1 if V31 >= 1 & V31 <= 2
lab var incomedifferences "income differences"

gen job = .
replace job = 0 if V25 >= 3 & V25 <= 4
replace job = 1 if V25 >= 1 & V25 <= 2
lab var job "job"

gen cntry = V3a
lab var cntry "cntry"

gen female = sex==2 if sex != .
lab var female "female"
lab def female 0 "male" 1 "female"
lab val female female

gen age2 = age * age
lab var age "age"
lab var age2 "age squared"

gen educ = .
replace educ = 0 if degree >= 0 & degree <= 2
replace educ = 1 if degree == 3 | degree == 4
replace educ = 2 if degree == 5
lab var educ "education"
lab def educ 0 "primary" 1 "secondary" 2 "tertiary"
lab val educ educ

gen employment = .
replace employment = 0 if wrkst == 2 | wrkst == 3
replace employment = 1 if wrkst == 4 | (wrkst >= 6 & wrkst <=10)
replace employment = 2 if wrkst == 5
replace employment = 3 if wrkst == 1
lab var employment "employment"
lab def employment 0 "part-time" 1 "not active" 2 "active unemployed" 3 "full-time"
lab val employment employment

lab var weight "weight"

keep id year cntry oldagecare unemployment incomedifferences job female age age2 educ
    employment weight
drop if cntry == .
save "temp_2006.dta", replace

use "temp_1996.dta", clear
append using "/temp_2006.dta"
sort cntry year

merge m:1 cntry year using "L2data.dta"
keep if _merge == 3
drop _merge

drop if emprate == . | foreignpct == . | socx == . | netmigpct == .
drop if cntry == 208 | cntry == 246 | cntry == 528 | cntry == 620

save "pooled.dta", replace
export delimited using "pooled.csv", replace delimit(";")
export delimited using "pooled_nolab.csv", replace delimit(";") nolab

```

Team: 1
Software: R
Version: ORIGINAL

```
PackagesUsed <- c("knitr", "haven", "miceadds", "dplyr", "stringr")

repmis::LoadandCite(PackagesUsed, file = "Packages.bib", install = FALSE)

read_dta("data/pooled.dta") %>%
  mutate(educ.f = relevel(factor(educ), ref = "1"),
         employment.f = relevel(factor(employment), ref = "3"),
         female.f = relevel(factor(female), ref = "0"),
         country.f = factor(country),
         year.f = factor(year)) ->
  DAT

cluSE <- TRUE

depVar <- c("oldagecare", "unemployment", "incomedifferences", "job")
inDepVar <- c("foreignpct", "socx", "emprate", "netmigpct")

pInDepVar <- c("(Intercept)", "female.f1", "age", "I(age^2)",
              "educ.f0", "educ.f2",
              "employment.f0", "employment.f1", "employment.f2")

OUT.ma <- matrix(NA, nrow=2*length(inDepVar)+2*length(pInDepVar),
                ncol=6*length(depVar))

dimnames(OUT.ma) <-
  list(c(paste(c("Odds", "z.value"), rep(inDepVar, each=2, sep=".")),
        paste(c("Odds", "z.value"), rep(pInDepVar, each=2, sep="."))),
       paste(1:ncol(OUT.ma), rep(depVar, 6), sep="."))

depVar.mod.ls <- split(1:ncol(OUT.ma), rep(1:6, each=4))
names(depVar.mod.ls) <- c("foreignpct",
                        "foreignpct.socx",
                        "foreignpct.emprate",
                        "netmigpct",
                        "netmigpct.socx",
                        "netmigpct.emprate")

mod1.fm <- ~ female.f + age + I(age^2) + educ.f + employment.f +
  foreignpct + country.f + year.f

mod2.fm <- oldagecare ~ female.f + age + I(age^2) + educ.f + employment.f +
  foreignpct + socx + country.f + year.f

mod3.fm <- oldagecare ~ female.f + age + I(age^2) + educ.f + employment.f +
  foreignpct + emprate + country.f + year.f

mod4.fm <- oldagecare ~ female.f + age + I(age^2) + educ.f + employment.f +
  netmigpct + country.f + year.f

mod5.fm <- oldagecare ~ female.f + age + I(age^2) + educ.f + employment.f +
  netmigpct + socx + country.f + year.f

mod6.fm <- oldagecare ~ female.f + age + I(age^2) + educ.f + employment.f +
  netmigpct + emprate + country.f + year.f

mods.ls <- list(mod1.fm, mod2.fm, mod3.fm, mod4.fm, mod5.fm, mod6.fm)
```

```

OUT <-
sapply(mods.ls, function(fm) {

  fm.oldagecare <- update(fm, oldagecare ~ . )
  fm.unemployment <- update(fm, unemployment ~ . )
  fm.incomedifferences <- update(fm, incomedifferences ~ . )
  fm.job <- update(fm, job ~ . )

  sapply(list(fm.oldagecare, fm.unemployment,
              fm.incomedifferences, fm.job),
          function(fm.) {

            if(cluSE) {
              mod <- miceadds::glm.cluster(fm.,
                                           data=DAT,
                                           family="binomial",
                                           cluster="country" )
            } else {
              mod <- glm(fm.,
                        data=DAT,
                        family=binomial)
            }

            if(any(class(mod) == "glm")) {
              mod.su <- summary(mod)$coefficients
            }
            if(any(class(mod) == "glm.cluster")) {
              invisible(capture.output(mod.su <- summary(mod)))
            }

            odds.coef_ <- exp(mod.su[, "Estimate"])
            z.value_ <- round(mod.su[, "z value"], 4)
            odds.coef <- as.character(round(odds.coef_, 4))

            odds.coef[mod.su[, "Pr(>|z|)"<0.05] <-
              paste0(round(odds.coef_[mod.su[, "Pr(>|z|)"<0.05], 4), "**")

            odds.coef[mod.su[, "Pr(>|z|)"<0.01] <-
              paste0(round(odds.coef_[mod.su[, "Pr(>|z|)"<0.01], 4), "***")

            odds.coef[mod.su[, "Pr(>|z|)"<0.001] <-
              paste0(round(odds.coef_[mod.su[, "Pr(>|z|)"<0.001], 4), "****")

            odds.coef <- gsub(pattern = "\\.", replacement = ",", odds.coef)
            names(odds.coef) <- names(odds.coef_)
            z.value <- as.character(z.value_)
            z.value <- gsub(pattern = "\\.", replacement = ",", z.value)
            names(z.value) <- names(z.value_)

            grep(paste(inDepVar, collapse = "|"),
                 strsplit(paste0(fm.)[3], "[+]" )[[1]], value=T) %>%
              gsub("[:space:]", "", .) ->
              which.inDepVar
            which.DepVar <- paste0(fm.)[[2]]
            OUT.cols <-
              depVar.mod.ls[[paste(which.inDepVar, collapse=".")]][
                which(depVar%in%which.DepVar)]

            if(length(which.inDepVar)>1) {
              oddsRow1 <- grep(paste0("Odds ", which.inDepVar[1]) ,
                              rownames(OUT.ma))
            }
          })
    }
  }
}

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OUT.ma[oddsRow1,OUT.cols] <-
  odds.coef[grepl(which.inDepVar[1], names(odds.coef))]
OUT.ma[oddsRow1 + 1, OUT.cols] <-
  z.value[grepl(which.inDepVar[1], names(z.value))]

oddsRow2 <- grepl(paste0("Odds ",which.inDepVar[2]) ,
  rownames(OUT.ma))
OUT.ma[oddsRow2,OUT.cols] <-
  odds.coef[grepl(which.inDepVar[2], names(odds.coef))]
OUT.ma[oddsRow2 + 1, OUT.cols] <-
  z.value[grepl(which.inDepVar[2], names(z.value))]

}else{
  oddsRow1 <- grepl(paste0("Odds ", which.inDepVar[1]) ,
    rownames(OUT.ma))
  OUT.ma[oddsRow1,OUT.cols] <-
    odds.coef[grepl(which.inDepVar[1], names(odds.coef))]
  OUT.ma[oddsRow1 + 1, OUT.cols] <-
    z.value[grepl(which.inDepVar[1], names(z.value))]

}

OUT.ma[(length(inDepVar)*2+1):nrow(OUT.ma), OUT.cols] <-
c(rbind(odds.coef[grepl(paste0(pInDepVar,collapse = "|"),
  names(odds.coef))],
  z.value[grepl(paste0(pInDepVar,collapse = "|"),
    names(z.value))])

), simplify = F)
}, simplify = F)

write.csv2(OUT.ma,
  paste0("results/ReplicationTemplateInput",
    ifelse(cluSE,"_cluSE",""),
    ".csv")
)

```

Team: 2
Software: Stata
Version: ORIGINAL

```
use ZA2900.dta, clear
recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
(14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
(24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
"Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
"Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
"Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
"Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
"Great Britain" 840 "United States"
label values v3a cntrylbl
recode v4 (2=0) (8/9=.) (0=.), gen(dobeylaws)
recode v5 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgprotest)
recode orgprotest (1/2=0) (3/4=1), gen(dorgprotest)
recode v6 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgmarch)
recode orgmarch (1/2=0) (3/4=1), gen(dmarch)
recode v7 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgstrike)
recode orgstrike (1/2=0) (3/4=1), gen(dorgstrike)
recode v25 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)
recode v26 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)
recode v27 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)
recode v28 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)
recode v29 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)
recode v30 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)
recode v31 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)
recode v32 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)
recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
recode v38 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)
recode v38 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
recode v39 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)
recode v39 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)
recode v41 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)
recode v42 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)
recode v43 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)
recode v44 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)
recode v45 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)
recode v19 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)
recode v20 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)
```

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recode v21 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)
recode v22 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)
recode v23 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)
recode v24 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)
rename v201 age
gen agesq=age*age
recode v200 (1=0) (2=1), gen(female)
rename v202 marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)
recode v203 (2=0), gen(partner)
rename v273 hhsiz
recode v274 (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 27 {
    replace kidshh=1 if v274==`i'
    local i = `i' + 2
}
recode v275 (3=1) (nonmiss=0), gen(rural)
recode v275 (2=1) (nonmiss=0), gen(suburb)
rename v324 ETHNIC
rename v204 edyears
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
    Ed" 5 "University or higher"
label values degree edlabels
recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)
rename v208 isco
rename v209 occ2
rename v215 hourswrk
recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptemp)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)
gen selfemp=v213==1
replace selfemp=. if v206==.
gen pubemp=(v212==1 | v212==2)
replace pubemp=. if v206==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if v206==.
rename v218 faminc
gen inczscore=.
levelsof v3a, local(cntries)
foreach cntryval of local(cntries) {
    center faminc if v3a==`cntryval', prefix(z_) standardize // zscore faminc if
    v3a==`cntryval', listwise // MM: "ZSCORE" findet man nicht mehr mit findit?!
    replace inczscore=z_faminc if v3a==`cntryval'
    drop z_faminc
}
recode v222 (2=0), gen(union)
rename v223 party
recode v220 (1/2=1) (nonmiss=0), gen(highrel)
recode v220 (3/5=1) (nonmiss=0), gen(lowrel)
recode v220 (6=1) (nonmiss=0), gen(norel)

```



```

rename v220 religion
gen year=1996
gen yr2006=0
rename v3a cntry
rename v325 wghts
save ISSP96recode.dta, replace

use "ZA4700.dta", clear
recode V17 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)
recode V18 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)
recode V19 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)
recode V20 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)
recode V21 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)
recode V22 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)
recode V23 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)
recode V24 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)
recode V35 (1=5) (2=4) (4=2) (5=1), gen(suchcare)
recode suchcare (1/3=0) (4/5=1), gen(dsuchcare)
recode V36 (1=5) (2=4) (4=2) (5=1), gen(sucret)
recode sucret (1/3=0) (4/5=1), gen(dsucret)
recode V37 (1=5) (2=4) (4=2) (5=1), gen(sucdef)
recode sucdef (1/3=0) (4/5=1), gen(dsucdef)
recode V38 (1=5) (2=4) (4=2) (5=1), gen(suclaw)
recode suclaw (1/3=0) (4/5=1), gen(dsuclaw)
recode V39 (1=5) (2=4) (4=2) (5=1), gen(sucunemp)
recode sucunemp (1/3=0) (4/5=1), gen(dsucunemp)
recode V40 (1=5) (2=4) (4=2) (5=1), gen(sucenv)
recode sucenv (1/3=0) (4/5=1), gen(dsucenv)
recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
recode V26 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)
recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)
recode V29 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)
recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)
recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)
recode V32 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)
recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)
recode V34 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)
recode V11 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)
recode V12 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)
recode V13 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)
recode V14 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)

```

```

recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)
recode V15 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)
recode V16 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)
rename V41 govdetain
recode govdetain (1/2=1) (3/4=0), gen(dgovdetain)
rename V42 govtapphone
recode govtapphone (1/2=1) (3/4=0), gen(dgovtap)
rename V43 govsearch
recode govsearch (1/2=1) (3/4=0), gen(dgovsearch)
rename V54 trustfew
recode trustfew (1/2 = 0) (3/5 = 1), gen(dtrust)
rename V55 takeadv
recode takeadv (1/2 = 0) (3/5 = 1), gen(dtakeadv)
gen agesq=age*age
recode sex (1=0) (2=1), gen(female) // recode SEX (1=0) (2=1), gen(female)
rename marital marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)
recode cohab (2=0), gen(partner)
recode COHAB (2=0), gen(partner)
rename hompop hhsz
rename HOMPOP hhsz
recode hhcycle (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
recode HHCYCLE (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 29 {
    replace kidshh=1 if hhcycle==`i' // replace kidshh=1 if HHCYCLE==`i'
    local i = `i' + 2
}

recode urbrural (1/3=0) (4/5=1), gen(rural) // recode URBURURAL (1/3=0) (4/5=1),
    gen(rural)
recode urbrural (2/3=1) (nonmiss=0), gen(suburb) // recode URBURURAL (2/3=1)
    (nonmiss=0), gen(suburb)
rename educyrs edyears // rename EDUCYRS edyears
rename degree edcat // rename DEGREE edcat
recode edcat (0=1), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
    Ed" 5 "University or higher"
label values degree edlabels
recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)
rename wrkst empstat
rename ISCO88 isco
rename wrkhrs hourswrk
recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptemp)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)
gen selfemp=wrktype==4 // gen selfemp=WRKTYPE==4
replace selfemp=. if empstat==.
gen pubemp=(wrktype==1 | wrktype==2) // gen pubemp=(WRKTYPE==1 | WRKTYPE==2)
replace pubemp=. if empstat==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if empstat==.
gen inczscore=.

```

```

local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
    center `incvar', prefix(z_) standardize // zscore `incvar', listwise // MM: "ZSCORE"
    findet man nicht mehr mit findit?!
    replace inczscore=z_`incvar' if z_`incvar'!=.
    drop z_`incvar'
}
recode union (2/3=0) // recode UNION (2/3=0), gen(union)
rename PARTY_LR party
recode attend (1/3=1) (nonmiss=0), gen(highrel) // recode ATTEND (1/3=1) (nonmiss=0),
gen(highrel)
recode attend (4/7=1) (nonmiss=0), gen(lowrel) // recode ATTEND (4/7=1) (nonmiss=0),
gen(lowrel)
recode attend (8=1) (nonmiss=0), gen(norel) // recode ATTEND (8=1) (nonmiss=0),
gen(norel)
rename attend religion // rename ATTEND religion
rename V3a cntry
rename weight wgths // rename WEIGHT wgths
gen year=2006
gen yr2006=1
gen mail=mode==34 // gen mail=MODE==34
save "ISSP06recode.dta", replace
append using "ISSP96recode.dta"
sort cntry year
merge m:1 cntry year using "BradyFinnigan2014CountryData.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
(554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
(752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)
save "ISSP9606.dta", replace

global desktop [redacted]
global data [redacted]
global regtable "excel alpha(0.001, 0.01, 0.05) sym(**, **, *) ctitle(`depvar')
eform bdec(3) sdec(2) stats(coef tstat) onecol append"
set matsize 4000

use $data, clear
keep if year==2006
keep if orig17
global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female nevermar divorced widow hhsiz kidshh rural suburb
lesshs univ ptemp unemp nolabor selfemp pubemp inczscore highrel lowrel"
global cntryvars "foreignpct netmigpct cforborn socx socdem liberal emprate"
egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)
keep if allcontrols
preserve
keep if allcontrols
keep $depvars $cntryvars $controls
outreg2 using $desktop\desc2006.xls, replace noaster excel sideways bdec(3) sdec(3)
sum(detail) eqkeep(mean sd)
restore

preserve
keep if allcontrols
collapse $depvars, by(cntry)
outsheet cntry $depvars using $desktop\depvars2006, comma replace
restore

preserve

```

```

keep if allcontrols
keep cntry $depvars
bysort cntry: outreg2 using $desktop\depvars2006.xls, append noaster excel sideways
    bdec(2) sdec(2) sum(detail) eqkeep(mean sd)
restore

collapse $depvars foreignpct netmigpct cforborn, by(cntry)
corr foreignpct netmigpct cforborn $depvars
label define cntrylab 36 "AUS" 124 "CAN" 191 "CRO" 203 "CZR" 208 "DEN" 246 "FIN" 250
    "FRA" 276 "GER" 348 "HUN" 372 "IRE" 376 "ISR" 392 "JAP" 410 "KOR" 428 "LAT" 528 "NET"
    554 "NEW" 578 "NOR" 616 "POL" 620 "POR" 705 "SLO" 724 "SPA" 752 "SWE" 756 "SWZ" 826
    "UKM" 840 "USA"
label values cntry cntrylab
twoway scatter dgovretire foreignpct, msymbol(i) mlabel(cntry) || lfit dgovretire
    foreignpct, xtitle("% Foreign Born") legend(off) name(ret_fb, replace)
twoway scatter dgovretire netmigpct, msymbol(i) mlabel(cntry) || lfit dgovretire
    netmigpct, xtitle("Net Migration") legend(off) name(ret_netmig, replace)
graph combine ret_fb ret_netmig, row(1) xsize(9) ysize(5)
graph export $desktop\figure2.tif, width(2700) height(1500) replace

twoway scatter dgovretire cforborn, msymbol(i) mlabel(cntry) mlabbp(12) || lfit
    dgovretire cforborn, xtitle("Change in % Foreign Born") legend(off)
graph export $desktop\appendixV.tif, width(1650) height(1200) replace

use $data, clear

foreach depvar in $depvars {
    xtlogit `depvar' $controls, i(cntry) quad(30)
    outreg2 using $desktop\controls2006.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct $controls, i(cntry) quad(30)
    outreg2 using $desktop\forborn2006.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct socx $controls, i(cntry) quad(30)
    outreg2 using $desktop\forborn2006socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct socdem liberal $controls, i(cntry) quad(30)
    outreg2 using $desktop\forborn2006regime.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct emprate $controls, i(cntry) quad(30)
    outreg2 using $desktop\forborn2006emprate.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

```

```

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct mcp $controls, i(cntry) quad(30)
    outreg2 using $desktop\forborn2006mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct $controls, i(cntry) quad(30)
    outreg2 using $desktop\netmig2006.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct socx $controls, i(cntry) quad(30)
    outreg2 using $desktop\netmig2006socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct socdem liberal $controls, i(cntry) quad(30)
    outreg2 using $desktop\netmig2006regime.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct emprate $controls, i(cntry) quad(30)
    outreg2 using $desktop\netmig2006emprate.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct mcp $controls, i(cntry) quad(30)
    outreg2 using $desktop\netmig2006mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct foreignpct $controls, i(cntry) quad(30)
    outreg2 using $desktop\netmig2006forborn.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn $controls, i(cntry) quad(30)
    outreg2 using $desktop\cforborn2006.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn socx $controls, i(cntry) quad(30)
    outreg2 using $desktop\cforborn2006socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn socdem liberal $controls, i(cntry) quad(30)
    outreg2 using $desktop\cforborn2006regime.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {

```

```

xtlogit `depvar' cforborn emprate $controls, i(cntry) quad(30)
outreg2 using $desktop\cforborn2006emprate.xls, excel alpha(0.001, 0.01, 0.05)
sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' cforborn mcp $controls, i(cntry) quad(30)
outreg2 using $desktop\cforborn2006mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
**, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
rename `depvar' a
xtlogit a cforborn foreignpct $controls, i(cntry) quad(30)
outreg2 using $desktop\cforborn2006forborn.xls, excel alpha(0.001, 0.01, 0.05)
sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
ctitle(`depvar')
rename a `depvar'
}

foreach depvar in $depvars {
xtlogit `depvar' cforborn netmigpct $controls, i(cntry) quad(30)
outreg2 using $desktop\cforborn2006netmig.xls, excel alpha(0.001, 0.01, 0.05)
sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}
*/

use $data, clear
keep if origl3

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
yr2006"
global cntryvars "foreignpct netmigpct socx emprate"

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)

quietly tab cntry, gen(cntryfe)

preserve
keep if allcontrols & year==1996 & dgovincdiff<.
keep $depvars $cntryvars $controls
outreg2 using $desktop\desc1996.xls, replace noaster excel sideways bdec(3) sdec(3)
sum(detail) eqkeep(mean sd)
restore

preserve
keep if allcontrols & year==1996
collapse $depvars, by(cntry)
outsheet cntry $depvars using $desktop\depvars1996, comma replace
restore

foreach depvar in $depvars {
logit `depvar' foreignpct $controls cntryfe*
outreg2 using $desktop\forborn9606.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **,
*) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
logit `depvar' foreignpct socx $controls cntryfe*
outreg2 using $desktop\forborn9606socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
**, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

```

}

foreach depvar in $depvars {
    logit `depvar' foreignpct emprate $controls centryfe*
    outreg2 using $desktop\forborn9606emprate.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct $controls centryfe*
    outreg2 using $desktop\netmig9606.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct socx $controls centryfe*
    outreg2 using $desktop\netmig9606socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct emprate $controls centryfe*
    outreg2 using $desktop\netmig9606emprate.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct foreignpct $controls centryfe*
    outreg2 using $desktop\netmig9606forborn.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' $controls centryfe*
    outreg2 using $desktop\controls9606.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

Team: 3
Software: R
Version: ORIGINAL

```
library(readxl)
library(readr)
library(tidyr)
library(dplyr)
library(stringr)
library(lubridate)
library(ggplot2)
library(texreg)
library(haven)
library(plm)
library(broom)

rm(list = ls())
setwd([redacted])

countryData <- read_dta("bradyfinnigan2014countrydata.dta")
issp1996 <- read_dta("ZA2900.dta")
issp2006 <- read_dta("ZA4700.dta")

issp1996_recode <- issp1996 %>%
  mutate(v3a = v3,
         v3a = zap_labels(v3a),
         v3a = recode(v3a,
                      "1" = 36, "2" = 276, "3" = 276, "4" = 826, "6" = 840, "8" = 348,
                      "9" = NaN, "10" = 372, "12" = 578, "13" = 752, "14" = 203, "15" = 705, "16" = 616,
                      "17" = NaN, "18" = 643, "19" = 554, "20" = 124, "21" = 608, "22" = 376, "23" = 376,
                      "24" = 392, "25" = 724, "26" = 428, "27" = 250, "30" = 756, .default = NaN)
         ) %>%
  mutate(
    dgovjobs = ifelse(v36 <=2, 1, ifelse(v36 >=3 , 0, NA )),
    dhcare = ifelse(v38 <=2, 1, ifelse(v38 >=3 , 0, NA )),
    dgovretire = ifelse(v39 <=2, 1, ifelse(v39 >=3 , 0, NA )),
    dgovunemp = ifelse(v41 <=2, 1, ifelse(v41 >=3 , 0, NA )),
    dgovincdiff = ifelse(v42 <=2, 1, ifelse(v42 >=3 , 0, NA )),
    dgovhous = ifelse(v44 <=2, 1, ifelse(v44 >=3 , 0, NA ))
  ) %>%
  mutate(
    age = v201,
    agesq = age * age,
    female = v200 - 1,
    lesshs = ifelse(v205 <= 4, 1, 0),
    hs = ifelse(v205 == 5 | v205 == 6, 1, 0),
    univ = ifelse(v205 == 7, 1, 0),
    ptemp = ifelse(v206 >= 2 & v206 <= 4, 1, 0),
    unemp = ifelse(v206 == 5, 1, 0),
    nolabor = ifelse(v206 >= 6, 1, 0),
    v213 = ifelse(is.na(v213), 0, v213),
    selfemp = ifelse(v213 == 1, 1, 0),
    selfemp = ifelse(is.na(v206), NA, selfemp),
    year = 1996,
    yr2006 = 0
  ) %>%
  group_by(v3a) %>%
  mutate(inczscore = (v218-mean(v218, na.rm = TRUE))/sd(v218, na.rm = TRUE)) %>%
  ungroup() %>%
  select(cntry = v3a, year, dgovjobs, dhcare, dgovretire, dgovunemp, dgovincdiff,
         dgovhous, age, agesq, female, lesshs, hs, univ, ptemp, unemp, nolabor, selfemp,
         inczscore, yr2006)
```



```

issp2006_recode <- issp2006 %>%
  mutate(
    v3a = V3a,
    dgovjobs = ifelse(V25 <=2, 1, ifelse(V25 >=3 , 0, NA )),
    dhcare = ifelse(V27 <=2, 1, ifelse(V27 >=3 , 0, NA )),
    dgovretire = ifelse(V28 <=2, 1, ifelse(V28 >=3 , 0, NA )),
    dgovunemp = ifelse(V30 <=2, 1, ifelse(V30 >=3 , 0, NA )),
    dgovincdiff = ifelse(V31 <=2, 1, ifelse(V31 >=3 , 0, NA )),
    dgovhous = ifelse(V33 <=2, 1, ifelse(V33 >=3 , 0, NA ))
  ) %>%
  mutate(
    agesq = age * age,
    female = sex - 1,
    lesshs = ifelse(degree <= 2, 1, 0),
    hs = ifelse(degree == 3 | degree == 4, 1, 0),
    univ = ifelse(degree == 5, 1, 0),
    ptemp = ifelse(wrkst >= 2 & wrkst <= 4, 1, 0),
    unemp = ifelse(wrkst == 5, 1, 0),
    nolabor = ifelse(wrkst >= 6, 1, 0),
    wrktype = ifelse(is.na(wrktype), 0, wrktype),
    selfemp = ifelse(wrktype == 4, 1, 0),
    selfemp = ifelse(is.na(wrkst), NA, selfemp),
    year = 2006,
    yr2006 = 1
  ) %>%
  mutate(
    incvar = coalesce(AU_INC, CA_INC, CH_INC, CL_INC, CZ_INC, DE_INC, DK_INC, DO_INC,
ES_INC, FI_INC, FR_INC, GB_INC, HR_INC, HU_INC, IE_INC, IL_INC, JP_INC, KR_INC,
LV_INC, NL_INC, NO_INC, NZ_INC, PH_INC, PL_INC, PT_INC, RU_INC, SE_INC, SI_INC,
TW_INC, US_INC, UY_INC, VE_INC, ZA_INC)
  ) %>%
  group_by(v3a) %>%
  mutate(inczscore = (incvar-mean(incvar, na.rm = TRUE))/sd(incvar, na.rm = TRUE)) %>%
  ungroup() %>%
  select(cntry = v3a, year, dgovjobs, dhcare, dgovretire, dgovunemp, dgovincdiff,
dgovhous, age, agesq, female, lesshs, hs, univ, ptemp, unemp, nolabor, selfemp,
inczscore, yr2006)

countryData_recode <- countryData %>%
  select(cntry, year, foreignpct, netmigpct, socx, emprate)

issp9606 <- issp1996_recode %>%
  bind_rows(issp2006_recode) %>%
  left_join(countryData_recode, by = c("cntry", "year"))

tomodel <- issp9606 %>% filter(cntry %in% c(36, 124, 250, 276, 372, 392, 554, 578,
724, 752, 756, 826, 840))

depvars <- c("dgovjobs", "dgovunemp", "dgovincdiff", "dgovretire", "dgovhous",
"dhcare")

m4.base <- lapply(depvars, function(x) {
  glm(substitute(i ~ foreignpct + age + agesq + female + lesshs + univ + ptemp + unemp
+ nolabor + selfemp + inczscore + as.factor(cntry) + as.factor(year)
, list(i = as.name(x)))
, data = tomodel
, family=binomial(link="logit")
)
})

m4.base.ex <- lapply(m4.base, function(x){extract(x)})

```

```

m4.welfare <- lapply(depvars, function(x) {
  glm(substitute(i ~ foreignpct + socx + age + agesq + female + lesshs + univ + ptemp
+ unemp + nolabor + selfemp + inczscore + as.factor(cntry) + as.factor(year)
      , list(i = as.name(x)))
    , data = tomodel
    , family=binomial(link="logit")
  )
})
m4.welfare.ex <- lapply(m4.welfare, function(x){extract(x)})

m4.employment <- lapply(depvars, function(x) {
  glm(substitute(i ~ foreignpct + emprate + age + agesq + female + lesshs + univ +
ptemp + unemp + nolabor + selfemp + inczscore + as.factor(cntry) + as.factor(year)
      , list(i = as.name(x)))
    , data = tomodel
    , family=binomial(link="logit")
  )
})
m4.employment.ex <- lapply(m4.employment, function(x){extract(x)})

htmlreg(l = list(m4.base[[1]], m4.base[[2]], m4.base[[3]], m4.base[[4]], m4.base[[5]],
m4.base[[6]]
      , m4.welfare[[1]], m4.welfare[[2]], m4.welfare[[3]], m4.welfare[[4]],
m4.welfare[[5]], m4.welfare[[6]]
      , m4.employment[[1]], m4.employment[[2]], m4.employment[[3]],
m4.employment[[4]], m4.employment[[5]], m4.employment[[6]]
    )

      , override.coef = list(exp(m4.base.ex[[1]]@coef), exp(m4.base.ex[[2]]@coef),
exp(m4.base.ex[[3]]@coef), exp(m4.base.ex[[4]]@coef), exp(m4.base.ex[[5]]@coef),
exp(m4.base.ex[[6]]@coef)
      , exp(m4.welfare.ex[[1]]@coef), exp(m4.welfare.ex[[2]]@coef),
exp(m4.welfare.ex[[3]]@coef), exp(m4.welfare.ex[[4]]@coef),
exp(m4.welfare.ex[[5]]@coef), exp(m4.welfare.ex[[6]]@coef)
      , exp(m4.employment.ex[[1]]@coef), exp(m4.employment.ex[[2]]@coef),
exp(m4.employment.ex[[3]]@coef), exp(m4.employment.ex[[4]]@coef),
exp(m4.employment.ex[[5]]@coef), exp(m4.employment.ex[[6]]@coef)
    )

      , override.se = list(summary(m4.base[[1]])$coefficients[,3],
summary(m4.base[[2]])$coefficients[,3], summary(m4.base[[3]])$coefficients[,3],
summary(m4.base[[4]])$coefficients[,3], summary(m4.base[[5]])$coefficients[,3],
summary(m4.base[[6]])$coefficients[,3]
      , summary(m4.welfare[[1]])$coefficients[,3],
summary(m4.welfare[[2]])$coefficients[,3], summary(m4.welfare[[3]])$coefficients[,3],
summary(m4.welfare[[4]])$coefficients[,3], summary(m4.welfare[[5]])$coefficients[,3],
summary(m4.welfare[[6]])$coefficients[,3]
      , summary(m4.employment[[1]])$coefficients[,3],
summary(m4.employment[[2]])$coefficients[,3],
summary(m4.employment[[3]])$coefficients[,3],
summary(m4.employment[[4]])$coefficients[,3],
summary(m4.employment[[5]])$coefficients[,3],
summary(m4.employment[[6]])$coefficients[,3]
    )
    , file = "table4.html"
    , digits = 3
  )
)

m5.base <- lapply(depvars, function(x) {

```

```

    glm(substitute(i ~ netmigpct + age + agesq + female + lesshs + univ + ptemp + unemp
+ nolabor + selfemp + inczscore + as.factor(cntry) + as.factor(year)
        , list(i = as.name(x)))
    , data = tomodel
    , family=binomial(link="logit")
  )
})
m5.base.ex <- lapply(m5.base, function(x){extract(x)})

m5.welfare <- lapply(depvars, function(x) {
  glm(substitute(i ~ netmigpct + socx + age + agesq + female + lesshs + univ + ptemp +
unemp + nolabor + selfemp + inczscore + as.factor(cntry) + as.factor(year)
        , list(i = as.name(x)))
    , data = tomodel
    , family=binomial(link="logit")
  )
})
m5.welfare.ex <- lapply(m5.welfare, function(x){extract(x)})

m5.employment <- lapply(depvars, function(x) {
  glm(substitute(i ~ netmigpct + emprate + age + agesq + female + lesshs + univ +
ptemp + unemp + nolabor + selfemp + inczscore + as.factor(cntry) + as.factor(year)
        , list(i = as.name(x)))
    , data = tomodel
    , family=binomial(link="logit")
  )
})
m5.employment.ex <- lapply(m5.employment, function(x){extract(x)})

m5.foreignborn <- lapply(depvars, function(x) {
  glm(substitute(i ~ netmigpct + foreignpct + age + agesq + female + lesshs + univ +
ptemp + unemp + nolabor + selfemp + inczscore + as.factor(cntry) + as.factor(year)
        , list(i = as.name(x)))
    , data = tomodel
    , family=binomial(link="logit")
  )
})
m5.foreignborn.ex <- lapply(m5.foreignborn, function(x){extract(x)})

htmlreg(l = list(m5.base[[1]], m5.base[[2]], m5.base[[3]], m5.base[[4]], m5.base[[5]],
m5.base[[6]]
        , m5.welfare[[1]], m5.welfare[[2]], m5.welfare[[3]], m5.welfare[[4]],
m5.welfare[[5]], m5.welfare[[6]]
        , m5.employment[[1]], m5.employment[[2]], m5.employment[[3]],
m5.employment[[4]], m5.employment[[5]], m5.employment[[6]]
        , m5.foreignborn[[1]], m5.foreignborn[[2]], m5.foreignborn[[3]],
m5.foreignborn[[4]], m5.foreignborn[[5]], m5.foreignborn[[6]]
    )

, override.coef = list(exp(m5.base.ex[[1]]@coef), exp(m5.base.ex[[2]]@coef),
exp(m5.base.ex[[3]]@coef), exp(m5.base.ex[[4]]@coef), exp(m5.base.ex[[5]]@coef),
exp(m5.base.ex[[6]]@coef)
        , exp(m5.welfare.ex[[1]]@coef), exp(m5.welfare.ex[[2]]@coef),
exp(m5.welfare.ex[[3]]@coef), exp(m5.welfare.ex[[4]]@coef),
exp(m5.welfare.ex[[5]]@coef), exp(m5.welfare.ex[[6]]@coef)
        , exp(m5.employment.ex[[1]]@coef),
exp(m5.employment.ex[[2]]@coef), exp(m5.employment.ex[[3]]@coef),
exp(m5.employment.ex[[4]]@coef), exp(m5.employment.ex[[5]]@coef),
exp(m5.employment.ex[[6]]@coef)
        , exp(m5.foreignborn.ex[[1]]@coef),
exp(m5.foreignborn.ex[[2]]@coef), exp(m5.foreignborn.ex[[3]]@coef),
exp(m5.foreignborn.ex[[4]]@coef), exp(m5.foreignborn.ex[[5]]@coef),
exp(m5.foreignborn.ex[[6]]@coef)

```

```

)

, override.se = list(summary(m5.base[[1]])$coefficients[,3],
summary(m5.base[[2]])$coefficients[,3], summary(m5.base[[3]])$coefficients[,3],
summary(m5.base[[4]])$coefficients[,3], summary(m5.base[[5]])$coefficients[,3],
summary(m5.base[[6]])$coefficients[,3]
, summary(m5.welfare[[1]])$coefficients[,3],
summary(m5.welfare[[2]])$coefficients[,3], summary(m5.welfare[[3]])$coefficients[,3],
summary(m5.welfare[[4]])$coefficients[,3], summary(m5.welfare[[5]])$coefficients[,3],
summary(m5.welfare[[6]])$coefficients[,3]
, summary(m5.employment[[1]])$coefficients[,3],
summary(m5.employment[[2]])$coefficients[,3],
summary(m5.employment[[3]])$coefficients[,3],
summary(m5.employment[[4]])$coefficients[,3],
summary(m5.employment[[5]])$coefficients[,3],
summary(m5.employment[[6]])$coefficients[,3]
, summary(m5.foreignborn[[1]])$coefficients[,3],
summary(m5.foreignborn[[2]])$coefficients[,3],
summary(m5.foreignborn[[3]])$coefficients[,3],
summary(m5.foreignborn[[4]])$coefficients[,3],
summary(m5.foreignborn[[5]])$coefficients[,3],
summary(m5.foreignborn[[6]])$coefficients[,3]
)
, file = "table5.html"
, digits = 3
)

# Table 4
# jobs
1/.945^(sd(tomodel$foreignpct, na.rm = TRUE))
# income
1/.947^(sd(tomodel$foreignpct, na.rm = TRUE))
# healthcare
1/.895^(sd(tomodel$foreignpct, na.rm = TRUE))
# retirement
1.091^(sd(tomodel$foreignpct, na.rm = TRUE))

# Table 5

# Net Migration
# jobs
1.088^(sd(tomodel$netmigpct, na.rm = TRUE))
# retirement
1.163^(sd(tomodel$netmigpct, na.rm = TRUE))
# housing
1.108^(sd(tomodel$netmigpct, na.rm = TRUE))
# healthcare
1.122^(sd(tomodel$netmigpct, na.rm = TRUE))

# Percent Foreign Born
# jobs
1/.910^(sd(tomodel$foreignpct, na.rm = TRUE))
# income
1/.935^(sd(tomodel$foreignpct, na.rm = TRUE))
# retirement
1.110^(sd(tomodel$foreignpct, na.rm = TRUE))
# healthcare
1/.869^(sd(tomodel$foreignpct, na.rm = TRUE))

```

Team: 4
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta" , clear

foreach var of varlist v36 v39 v41 v42 {
  replace `var'=1 if `var'==1|`var'==2
  replace `var'=0 if `var'==3|`var'==4
}
rename v36 jobs
rename v39 oldagecare
rename v41 unemployed
rename v42 reduceincomedifferences

gen sex=0 if v200==1
replace sex=1 if v200==2

gen age=v201

gen age2=age*age

gen education=1 if v205==1|v205==2|v205==3
replace education=2 if v205==4|v205==5
replace education=3 if v205==6|v205==7

gen employment=1 if v206==1
replace employment=2 if v206==2|v206==3
replace employment=3 if v206==4|v206==6|v206==8
replace employment=4 if v206==5|v206==7|v206==9|v206==10
lab def employment 1 "Full-time" 2 "Part-time" 3 "Active unemployed" 4 "Not active"
lab val employment employment

gen year=1996

gen country=36 if v3==1
replace country=276 if v3==2
replace country=276 if v3==3
replace country=826 if v3==4
replace country=840 if v3==6
replace country=348 if v3==8
replace country=372 if v3==10
replace country=578 if v3==12
replace country=752 if v3==13
replace country=203 if v3==14
replace country=705 if v3==15
replace country=616 if v3==16
replace country=643 if v3==18
replace country=554 if v3==19
replace country=124 if v3==20
replace country=376 if v3==22
replace country=376 if v3==23
replace country=392 if v3==24
replace country=724 if v3==25
replace country=428 if v3==26
replace country=250 if v3==27
replace country=756 if v3==30

gen ID_merge=country+year
```

```

save "ISSP_1996_coded.dta" , replace

use "ZA4700.dta" , clear

foreach var of varlist V25 V28 V30 V31 {
  replace `var'=1 if `var'==1|`var'==2
  replace `var'=0 if `var'==3|`var'==4
}
rename V25 jobs
rename V28 oldagecare
rename V30 unemployed
rename V31 reduceincomedifferences

replace sex=0 if sex==1
replace sex=1 if sex==2
label values sex .

gen age2=age*age

gen education=1 if degree==0|degree==1|degree==2      //is 'above lowest' primary?
replace education=2 if degree==3
replace education=3 if degree==4|degree==5      //is 'above higher secondary'
  university?

gen employment=1 if wrkst==1
replace employment=2 if wrkst==2|wrkst==3      //is 'less than part-time' part-time?
replace employment=3 if wrkst==4|wrkst==6|wrkst==8
replace employment=4 if wrkst==5|wrkst==7|wrkst==9|wrkst==10
lab val employment employment

gen year=2006
gen country=V3a
gen ID_merge=country+year

save "ISSP_2006_coded" , replace

use "L2data.dta" , clear

drop country
rename cntry country
gen ID_merge=country+year

save "Aggregate_coded", replace

use "ISSP_1996_coded.dta" , clear
append using "ISSP_2006_coded.dta"

merge m:m ID_merge using "Aggregate_coded.dta"

save "Replication_data_final.dta" , replace

*****

use "Replication_data_final.dta" , clear

drop if country==208|country==246|country==528|country==620 //Only 2006

```

```

logit jobs oldagecare unemployed reduceincomedifferences sex age education employment
emprate foreignpct socx netmigpct year country
keep if e(sample)

logit oldagecare i.sex age age2 ib2.education i.employment foreignpct i.year i.country
, or

logit unemployed i.sex age age2 ib2.education i.employment foreignpct i.year i.country
, or

logit reduceincomedifferences age2 ib2.sex age i.education i.employment foreignpct
i.year i.country , or

logit jobs ib2.sex age age2 i.education i.employment foreignpct i.year i.country , or

logit oldagecare ib2.sex age age2 i.education i.employment foreignpct socx i.year
i.country , or

logit unemployed ib2.sex age age2 i.education i.employment foreignpct socx i.year
i.country , or

logit reduceincomedifferences ib2.sex age age2 i.education i.employment foreignpct
socx i.year i.country , or

logit jobs i.sex age age2 ib2.education i.employment foreignpct socx i.year i.country
, or

logit oldagecare ib2.sex age age2 i.education i.employment foreignpct emprate i.year
i.country , or

logit unemployed ib2.sex age age2 i.education i.employment foreignpct emprate i.year
i.country , or

logit reduceincomedifferences ib2.sex age age2 i.education i.employment foreignpct
emprate i.year i.country , or

logit jobs i.sex age age2 ib2.education i.employment foreignpct emprate i.year
i.country , or

logit oldagecare i.sex age age2 ib2.education i.employment netmigpct i.year i.country
, or

logit unemployed i.sex age age2 ib2.education i.employment netmigpct i.year i.country
, or

logit reduceincomedifferences age2 ib2.sex age i.education i.employment netmigpct
i.year i.country , or

logit jobs ib2.sex age age2 i.education i.employment netmigpct i.year i.country , or

logit oldagecare ib2.sex age age2 i.education i.employment netmigpct socx i.year
i.country , or

logit unemployed ib2.sex age age2 i.education i.employment netmigpct socx i.year
i.country , or

logit reduceincomedifferences age2 ib2.sex age i.education i.employment netmigpct socx
i.year i.country , or

logit jobs i.sex age age2 ib2.education i.employment netmigpct socx i.year i.country ,
or

```

```
logit oldagecare ib2.sex age age2 i.education i.employment netmigpct emprate i.year  
i.country , or
```

```
logit unemployed ib2.sex age age2 i.education i.employment netmigpct emprate i.year  
i.country , or
```

```
logit reduceincomedifferences age2 ib2.sex age i.education i.employment netmigpct  
emprate i.year i.country , or
```

```
logit jobs i.sex age age2 ib2.education i.employment netmigpct emprate i.year  
i.country , or
```


Team: 5
Software: Stata
Version: ORIGINAL

```
use "\ZA4700.dta"

rename (V28 V30 V31 V25) (oldagecare unemployed reduce jobs)

foreach var of varlist oldagecare unemployed reduce jobs {
  recode `var' 1 2=1 3 4=0
}

recode sex 2=1 1=0
label define fem 1"Female" 0"Male"
label value sex fem

recode degree 0 1=0 2 3 =1 4 5=2
label define degree2 0"lower" 1"secondary" 2"higher"
label value degree degree2

rename wrkst employment
recode employment ///
  1=1 ///
  2 3=2 ///
  5=3 ///
  4 6 7 8 9 10 =4
label define employment 1"full time" 2"part time" 3"active unemployed" 4"not active"
label value employment employment

gen year =1996
rename V2 id
rename V3a country

keep oldagecare unemployed reduce jobs sex degree age employment id year country
order country year id
sort country id

save "\ZA4700.dta_clean" , replace

clear all

cd "\"
use "\ZA2900.dta"

rename (v39 v41 v42 v36) (oldagecare unemployed reduce jobs)

foreach var of varlist oldagecare unemployed reduce jobs {
  recode `var' 1 2=1 3 4=0
}

rename v200 sex
recode sex 2=1 1=0
label define fem 1"Female" 0"Male"
label value sex fem

rename v201 age

rename v205 degree
recode degree 1 2 3=0 4 5 =1 6 7=2
```

```

label define degree2 0"lower" 1"secondary" 2"higher"
label value degree degree2

rename v206 wrkst
rename wrkst employment
recode employment ///
    1=1 ///
    2 3=2 ///
    5=3 ///
    4 6 7 8 9 10 =4
label define employment 1"full time" 2"part time" 3"active unemployed" 4"not active"
label value employment employment

gen year =2006
rename v2 id
rename v3 country

recode country 1 = 36 2 3=276 4=826 6=840 8=348 9=. 10=372 11=578 ///
12=578 13=752 14=203 15=705 16=616 17=. 18=643 19=554 20=124 21=608 ///
22 23=376 24=392 25=724 26=428 27=250 28=. 30=756

label define country2 36 "AU-Australia" ///
124 "CA-Canada " ///
152 "CL-Chile" ///
158 "TW-Taiwan" ///
191 "HR-Croatia" ///
203 "CZ-Czech Republic" ///
208 "DK-Denmark" ///
214 "DO-Dominican Republic" ///
246 "FI-Finland" ///
250 "FR-France" ///
276 "DE-Germany" ///
348 "HU-Hungary" ///
372 "IE-Ireland" ///
376 "IL-Israel" ///
392 "JP-Japan" ///
410 "KR-South Korea" ///
428 "LV-Latvia" ///
528 "NL-Netherlands" ///
554 "NZ-New Zealand" ///
578 "NO-Norway" ///
608 "PH-Philippines" ///
616 "PL-Poland" ///
620 "PT-Portugal" ///
643 "RU-Russia" ///
705 "SI-Slovenia" ///
710 "ZA-South Africa" ///
724 "ES-Spain" ///
752 "SE-Sweden" ///
756 "CH-Switzerland" ///
826 "GB-Great Britain" ///
840 "US-United States" ///
858 "UY-Uruguay" ///
862 "VE-Venezuela"
label value country2 country2

/*
rename v223 lrscale
rename v46 polint
rename v54 trust
*/

```

```
keep oldagecare unemployed reduce jobs sex degree age employment id year country
sort id year
```

```
save "\ZA2900.dta_clean" , replace
*****
```

```
clear all
use "\L2data.dta"
drop country
rename cntry country
label define country2 ///
36 "AU-Australia" ///
124 "CA-Canada " ///
152 "CL-Chile" ///
158 "TW-Taiwan" ///
191 "HR-Croatia" ///
203 "CZ-Czech Republic" ///
208 "DK-Denmark" ///
214 "DO-Dominican Republic" ///
246 "FI-Finland" ///
250 "FR-France" ///
276 "DE-Germany" ///
348 "HU-Hungary" ///
372 "IE-Ireland" ///
376 "IL-Israel" ///
392 "JP-Japan" ///
410 "KR-South Korea" ///
428 "LV-Latvia" ///
528 "NL-Netherlands" ///
554 "NZ-New Zealand" ///
578 "NO-Norway" ///
608 "PH-Philippines" ///
616 "PL-Poland" ///
620 "PT-Portugal" ///
643 "RU-Russia" ///
705 "SI-Slovenia" ///
710 "ZA-South Africa" ///
724 "ES-Spain" ///
752 "SE-Sweden" ///
756 "CH-Switzerland" ///
826 "GB-Great Britain" ///
840 "US-United States" ///
858 "UY-Uruguay" ///
862 "VE-Venezuela"
label value country country2
save "\L2data2.dta", replace
```

```
clear all
use "\ZA4700.dta_clean"
cd "\"

append using "\ZA2900.dta_clean"

save "\ZA2900+4700.dta" , replace
```

```
clear all
use "\ZA2900+4700.dta"
cd "\"

merge m:1 country year using "\L2data2.dta"
```

```

save "\replication_workfile.dta",replace

clear all
use "\replication_workfile.dta"
mark nmiss
markout nmiss oldagecare unemployed reduce jobs emprate foreignpct netmigpct socx
sex degree employment age id year country
tab nmiss, m
drop if nmiss==0

logit oldagecare i.sex ib1.degree i.employment c.age##c.age i.country i.year

logit oldagecare foreignpct i.sex ib1.degree i.employment c.age##c.age i.country
i.year
est store m1
logit unemployed foreignpct i.sex ib1.degree i.employment c.age##c.age i.country
i.year
est store m2
logit reduce foreignpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
est store m3
logit jobs foreignpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
est store m4

logit oldagecare foreignpct c.socx i.sex ib1.degree i.employment c.age##c.age
i.country i.year
est store m5
logit unemployed foreignpct c.socx i.sex ib1.degree i.employment c.age##c.age
i.country i.year
est store m6
logit reduce foreignpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
i.year
est store m7
logit jobs foreignpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
i.year
est store m8

logit oldagecare foreignpct c.emprate i.sex ib1.degree i.employment c.age##c.age
i.country i.year
est store m9
logit unemployed foreignpct c.emprate i.sex ib1.degree i.employment c.age##c.age
i.country i.year
est store m10
logit reduce foreignpct c.emprate i.sex ib1.degree i.employment c.age##c.age i.country
i.year
est store m11
logit jobs foreignpct c.emprate i.sex ib1.degree i.employment c.age##c.age i.country
i.year
est store m12

est tab m1 m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 , eform b(%9.4f) t(%9.4f) equations(1)
est tab m1 m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 , eform star equations(1)

*****

logit oldagecare netmigpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
est store m13
logit unemployed netmigpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
est store m14
logit reduce netmigpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
est store m15
logit jobs netmigpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
est store m16

```

```

logit oldagecare netmigpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
    i.year
est store m17
logit unemployed netmigpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
    i.year
est store m18
logit reduce netmigpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
    i.year
est store m19
logit jobs netmigpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
    i.year
est store m20

logit oldagecare netmigpct c.emprate i.sex ib1.degree i.employment c.age##c.age
    i.country i.year
est store m21
logit unemployed netmigpct c.emprate i.sex ib1.degree i.employment c.age##c.age
    i.country i.year
est store m22
logit reduce netmigpct c.emprate i.sex ib1.degree i.employment c.age##c.age i.country
    i.year
est store m23
logit jobs netmigpct c.emprate i.sex ib1.degree i.employment c.age##c.age i.country
    i.year
est store m24

est tab m13 m14 m15 m16 m17 m18 m19 m20 m21 m22 m23 m24 , eform b(%9.4f) t(%9.4f)
    equations(1)

est tab m13 m14 m15 m16 m17 m18 m19 m20 m21 m22 m23 m24 , eform star equations(1)

```

Team: 5

Software: Stata

Version: CURATED

```

use "\ZA4700.dta", clear

rename (V28 V30 V31 V25) (oldagecare unemployed reduce jobs)

foreach var of varlist oldagecare unemployed reduce jobs {
    recode `var' 1 2=1 3 4=0
}

recode sex 2=1 1=0
label define fem 1"Female" 0"Male"
label value sex fem

recode degree 0 1=0 2 3 =1 4 5=2
label define degree2 0"lower" 1"secondary" 2"higher"
label value degree degree2

rename wrkst employment
recode employment ///
    1=1 ///
    2 3=2 ///
    5=3 ///
    4 6 7 8 9 10 =4
label define employment 1"full time" 2"part time" 3"active unemployed" 4"not active"

```

```

label value employment employment

// coded the year wrong
*gen year =1996
gen year = 2006
rename V2 id
rename V3a country

keep oldagecare unemployed reduce jobs sex degree age employment id year country
order country year id
sort country id

save "\ZA4700.dta_clean" , replace

use "\ZA2900.dta", clear

rename (v39 v41 v42 v36) (oldagecare unemployed reduce jobs)

foreach var of varlist oldagecare unemployed reduce jobs {
  recode `var' 1 2=1 3 4=0
}

rename v200 sex
recode sex 2=1 1=0
label define fem 1"Female" 0"Male"
label value sex fem

rename v201 age

rename v205 degree
recode degree 1 2 3=0 4 5 =1 6 7=2
label define degree2 0"lower" 1"secondary" 2"higher"
label value degree degree2

rename v206 wrkst
rename wrkst employment
recode employment ///
  1=1 ///
  2 3=2 ///
  5=3 ///
  4 6 7 8 9 10 =4
label define employment 1"full time" 2"part time" 3"active unemployed" 4"not active"
label value employment employment

// coded the year wrong
gen year =1996
rename v2 id
rename v3 country

*country coding differs between the waves.
recode country 1 = 36 2 3=276 4=826 6=840 8=348 9=. 10=372 11=578 ///
12=578 13=752 14=203 15=705 16=616 17=. 18=643 19=554 20=124 21=608 ///
22 23=376 24=392 25=724 26=428 27=250 28=. 30=756

label define country2 36 "AU-Australia" ///
124 "CA-Canada " ///
152 "CL-Chile" ///
158 "TW-Taiwan" ///
191 "HR-Croatia" ///
203 "CZ-Czech Republic" ///

```

```

208 "DK-Denmark" ///
214 "DO-Dominican Republic" ///
246 "FI-Finland" ///
250 "FR-France" ///
276 "DE-Germany" ///
348 "HU-Hungary" ///
372 "IE-Ireland" ///
376 "IL-Israel" ///
392 "JP-Japan" ///
410 "KR-South Korea" ///
428 "LV-Latvia" ///
528 "NL-Netherlands" ///
554 "NZ-New Zealand" ///
578 "NO-Norway" ///
608 "PH-Philippines" ///
616 "PL-Poland" ///
620 "PT-Portugal" ///
643 "RU-Russia" ///
705 "SI-Slovenia" ///
710 "ZA-South Africa" ///
724 "ES-Spain" ///
752 "SE-Sweden" ///
756 "CH-Switzerland" ///
826 "GB-Great Britain" ///
840 "US-United States" ///
858 "UY-Uruguay" ///
862 "VE-Venezuela"
label value country country2

/*
rename v223 lrscale
rename v46 polint
rename v54 trust
*/

keep oldagecare unemployed reduce jobs sex degree age employment id year country
sort id year

save "\ZA2900.dta_clean" , replace
*****

clear all
use "\L2data.dta", clear
drop country
rename cntry country
label define country2 ///
36 "AU-Australia" ///
124 "CA-Canada" ///
152 "CL-Chile" ///
158 "TW-Taiwan" ///
191 "HR-Croatia" ///
203 "CZ-Czech Republic" ///
208 "DK-Denmark" ///
214 "DO-Dominican Republic" ///
246 "FI-Finland" ///
250 "FR-France" ///
276 "DE-Germany" ///
348 "HU-Hungary" ///
372 "IE-Ireland" ///
376 "IL-Israel" ///
392 "JP-Japan" ///
410 "KR-South Korea" ///

```

```

428 "LV-Latvia" ///
528 "NL-Netherlands" ///
554 "NZ-New Zealand" ///
578 "NO-Norway" ///
608 "PH-Philippines" ///
616 "PL-Poland" ///
620 "PT-Portugal" ///
643 "RU-Russia" ///
705 "SI-Slovenia" ///
710 "ZA-South Africa" ///
724 "ES-Spain" ///
752 "SE-Sweden" ///
756 "CH-Switzerland" ///
826 "GB-Great Britain" ///
840 "US-United States" ///
858 "UY-Uruguay" ///
862 "VE-Venezuela"
label value country country2
save "\L2data2.dta", replace

clear all
use "\ZA4700.dta_clean"

append using "\ZA2900.dta_clean"

merge m:1 country year using "\L2data2.dta"

// PIs noticed they did not restrict sample to the 13 countries in their submitted
code.

recode country (840 826 756 752 724 578 554 392 372 276 250 124 36=1) (*=.), gen(s)
drop if s==.

mark nmiss
markout nmiss oldagecare unemployed reduce jobs emprate foreignpct netmigpct socx
sex degree employment age id year country
tab nmiss, m
drop if nmiss==0

cd "\""

logit oldagecare foreignpct i.sex ib1.degree i.employment c.age##c.age i.country
i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit unemployed foreignpct i.sex ib1.degree i.employment c.age##c.age i.country
i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit reduce foreignpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit jobs foreignpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append

logit oldagecare foreignpct c.socx i.sex ib1.degree i.employment c.age##c.age
i.country i.year

```



```

outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit unemployed foreignpct c.socx i.sex ib1.degree i.employment c.age##c.age
i.country i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit reduce foreignpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit jobs foreignpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append

logit oldagecare foreignpct c.emprate i.sex ib1.degree i.employment c.age##c.age
i.country i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit unemployed foreignpct c.emprate i.sex ib1.degree i.employment c.age##c.age
i.country i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit reduce foreignpct c.emprate i.sex ib1.degree i.employment c.age##c.age i.country
i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit jobs foreignpct c.emprate i.sex ib1.degree i.employment c.age##c.age i.country
i.year
outreg2 using `dir'table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append

*****

logit oldagecare netmigpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit unemployed netmigpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit reduce netmigpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit jobs netmigpct i.sex ib1.degree i.employment c.age##c.age i.country i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit oldagecare netmigpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit unemployed netmigpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit reduce netmigpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
logit jobs netmigpct c.socx i.sex ib1.degree i.employment c.age##c.age i.country
i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append

```

```
logit oldagecare netmigpct c.emprate i.sex ib1.degree i.employment c.age##c.age
    i.country i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
logit unemployed netmigpct c.emprate i.sex ib1.degree i.employment c.age##c.age
    i.country i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
logit reduce netmigpct c.emprate i.sex ib1.degree i.employment c.age##c.age i.country
    i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
logit jobs netmigpct c.emprate i.sex ib1.degree i.employment c.age##c.age i.country
    i.year
outreg2 using `dir'table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
```

Team: 6
Software: SPSS
Version: ORIGINAL

```
DATASET ACTIVATE DataSet1.
VARIABLE LABELS v1 "ZA Study Number".
VALUE LABELS v1 2900"ISSO 1996".
FREQUENCIES v1.
FREQUENCIES v3.
RECODE v3 (1=36) (2=276) (3=276) (4=826) (6=840)
(8=348) (9=380) (10=372) (12=578) (13=752) (14=203) (15=705)
(16=616) (17=100) (18=643) (19=554) (20=124) (21=608)
(22=376) (23=376) (24=392) (25=724)
(26=428) (27=250) (28=196) (30=756) into iso.
VARIABLE LABELS iso "ISO-Code".

RENAME VARIABLES v36=jobs.
RENAME VARIABLES v39=OldAgeCare.
RENAME VARIABLES v41=unemployed.
RENAME VARIABLES v42=redincdiff.
RENAME VARIABLES v200=sex.
RENAME VARIABLES v201=age.
RENAME VARIABLES v205=edu.
RENAME VARIABLES v206=wrkst.
FREQUENCIES edu.

RECODE edu (1=0) (2=0) (3=1) (4=2) (5=3) (6=4) (7=5).
VALUE LABELS edu
0"No formal qualification, incomplete primary"
1"Lowest formal qualification"
2"Above lowest qualification"
3"Higher secondary completed"
4"Above higher secondary level,other qualification"
5"University degree completed, graduate studies".
EXECUTE.
DELETE VARIABLES
v4 v5 v6 v7 v8 v9 v10 v11 v12
v13 v14 v15 v16 v17 v18 v19 v20
v21 v22 v23 v24 v25 v26 v27 v28
v29 v30 v31 v32 v33 v34 v35 v37
v38 v40 v43 v44 v45 v46 v47 v48
v49 v50 v51 v52 v53 v54 v55 v56
v57 v58 v59 v60 v61 v62 v63 v64
v65 v66 v67 v68 v202 v203 v204 v207
v208 v209 v210 v211 v212 v213 v214 v215
v216 v217 v218 v219 v220 v221 v222 v223
v224 v225 v226 v227 v228 v229 v230 v231
v232 v233 v234 v235 v236 v237 v238 v239
v240 v241 v242 v243 v244 v245 v246 v247
v248 v249 v250 v251 v252 v253 v254 v255
v256 v257 v258 v259 v260 v261 v262 v263
v264 v265 v266 v267 v268 v269 v270 v271
v272 v273 v274 v275 v276 v277 v278 v279
v280 v281 v282 v283 v284 v285 v286 v287
v288 v289 v290 v291 v292 v293 v294 v295
v296 v297 v298 v299 v300 v301 v302 v303
v304 v305 v306 v307 v308 v309 v310 v311
v312 v313 v314 v315 v316 v317 v318 v319
v320 v321 v322 v323 v324 v325.

*_____ ISSP 2006_____.
DATASET ACTIVATE DataSet2.
```

```

VALUE LABELS v1 4700"ISSO 2006".
COMPUTE iso=V3a.
VARIABLE LABELS iso "ISO-Code".
RENAME VARIABLES v25=jobs.
RENAME VARIABLES v28=OldAgeCare.
RENAME VARIABLES v30=unemployed.
RENAME VARIABLES v31=redincdiff.
RENAME VARIABLES degree=edu.
FREQUENCIES edu.
EXECUTE.
DELETE VARIABLES attend AU_DEGR AU_INC AU_PRTY AU_REG AU_RINC AU_SIZE CA_DEGR CA_INC
  CA_PRTY CA_REG
  CA_RINC CA_SIZE CH_DEGR CH_INC CH_PRTY CH_REG CH_RINC CH_SIZE CL_DEGR CL_INC
  CL_PRTY CL_REG CL_RINC
  CL_SIZE cohab CZ_DEGR CZ_INC CZ_PRTY CZ_REG CZ_RINC CZ_SIZE DE_DEGR DE_INC DE_PRTY
  DE_REG DE_RINC
  DE_SIZE DK_DEGR DK_INC DK_PRTY DK_REG DK_RINC DK_SIZE DO_DEGR DO_INC DO_PRTY
  DO_REG DO_RINC DO_SIZE
  educyrs ES_DEGR ES_INC ES_PRTY ES_REG ES_RINC ES_SIZE ethnic FI_DEGR FI_INC
  FI_PRTY FI_REG FI_RINC
  FI_SIZE FR_DEGR FR_INC FR_PRTY FR_REG FR_RINC FR_SIZE GB_DEGR GB_INC GB_PRTY
  GB_REG GB_RINC GB_SIZE
  hhcycle hompop HR_DEGR HR_INC HR_PRTY HR_REG HR_RINC HR_SIZE HU_DEGR HU_INC
  HU_PRTY HU_REG HU_RINC
  HU_SIZE IE_DEGR IE_INC IE_PRTY IE_REG IE_RINC IE_SIZE IL_DEGR IL_INC IL_PRTY
  IL_REG IL_RINC IL_SIZE
  ISCO88 JP_DEGR JP_INC JP_PRTY JP_REG JP_RINC JP_SIZE KR_DEGR KR_INC KR_PRTY KR_REG
  KR_RINC KR_SIZE
  LV_DEGR LV_INC LV_PRTY LV_REG LV_RINC LV_SIZE marital mode nemploy NL_DEGR NL_INC
  NL_PRTY NL_REG
  NL_RINC NL_SIZE NO_DEGR NO_INC NO_PRTY NO_REG NO_RINC NO_SIZE NZ_DEGR NZ_INC
  NZ_PRTY NZ_REG NZ_RINC
  NZ_SIZE PARTY_LR PH_DEGR PH_INC PH_PRTY PH_REG PH_RINC PH_SIZE PL_DEGR PL_INC
  PL_PRTY PL_REG
  PL_RINC PL_SIZE PT_DEGR PT_INC PT_PRTY PT_REG PT_RINC PT_SIZE relig religgrp
  RU_DEGR RU_INC RU_PRTY
  RU_REG RU_RINC RU_SIZE SE_DEGR SE_INC SE_PRTY SE_REG SE_RINC SE_SIZE SI_DEGR
  SI_INC SI_PRTY SI_REG
  SI_RINC SI_SIZE SPISCO88 spwrkst spwrktyp topbot TW_DEGR TW_INC TW_PRTY TW_REG
  TW_RINC TW_SIZE
  union urbrural US_DEGR US_INC US_PRTY US_REG US_RINC US_SIZE UY_DEGR UY_INC
  UY_PRTY UY_REG UY_RINC
  UY_SIZE V10 V11 V12 V13 V14 V15 V16 V17 V18 V19 V20 V21 V22 V23 V24 V26 V27 V29
  V32 V33 V34 V35 V36
  V37 V38 V39 V3a V4 V40 V41 V42 V43 V44 V45 V46 V47 V48 V49 V5 V50 V51 V52 V53 V54
  V55 V56 V57 V58
  V59 V6 V60 V61 V62 V63 V7 V8 V9 VE_DEGR VE_INC VE_PRTY VE_REG VE_RINC VE_SIZE
  version VOTE_LE
  weight wrkhrrs wrksup wrktype ZA_DEGR ZA_INC ZA_PRTY ZA_REG ZA_RINC ZA_SIZE.

DATASET ACTIVATE DataSet2.
ADD FILES /FILE=*
  /FILE='DataSet1'.
EXECUTE.

```

```

CROSSTABS iso by v1.
VALUE LABELS v1 2900"ISSO 1996" 4700"ISSO 2006".
VALUE LABELS iso
36 "Australia" 100 "Bulgaria" 124 "Canada" 152 "Chile"
158 "Taiwan" 191 "Croatia" 196 "Zypern" 203"Czech_Republic"
208 "Denmark" 214 "Dom_Rep" 246 "Finland" 250 "France"
276 "Germany" 348 "Hungary" 372 "Ireland" 376 "Israel"
380 "Italy" 392 "Japan" 410 "South_Korea" 428 "Latvia"

```

```
528 "Netherlands" 554 "New_Zealand" 578 "Norway" 608 "Philippines"
616 "Poland" 620 "Portugal" 643 "Russia" 705 "Slovenia"
710 "South_Africa" 724 "Spain" 752 "Sweden" 756 "Switzerland"
826 "Great Britain" 840 "United States" 858 "Uruguay" 862 "Venezuela".
CROSSTABS iso by v1.
```

```
FREQUENCIES all.
RECODE sex (1=0) (2=1) into female.
VALUE LABELS female 0"male" 1"female".
FREQUENCIES female.
COMPUTE agesq =age*age.
FREQUENCIES agesq.
FREQUENCIES edu.
```

```
RECODE edu (0=0) (1=0) (2=1) (3=1) (4=1) (5=2) into educat.
VALUE LABELS educat
0"Primary or less"
1"Secondary; more than primary, less than completed university degree"
2"University degree or more".
FREQUENCIES educat.
FREQUENCIES wrkst.
```

```
RECODE wrkst (1=3) (2=0) (3=0) (4 6 7 8 9 10=1) (5=2) into wrkstcat.
VALUE LABELS wrkstcat
0"part time" 1"not active" 2"active unemployed" 3"full-time".
```

```
FREQUENCIES jobs oldagecare unemployed redincdiff.
RECODE jobs (1 2=1) (3 4=0) into jobsd.
RECODE oldagecare (1 2=1) (3 4=0) into oldagecared.
RECODE unemployed (1 2=1) (3 4=0) into unemployedd.
RECODE redincdiff (1 2=1) (3 4=0) into redincdiffd.
VALUE LABELS jobsd 1"yes, gov. responsibility".
VALUE LABELS oldagecared 1"yes, gov. responsibility".
VALUE LABELS unemployedd 1"yes, gov. responsibility".
VALUE LABELS redincdiffd 1"yes, gov. responsibility".
FREQUENCIES jobsd oldagecared unemployedd redincdiffd.
```

```
FREQUENCIES v1.
RECODE v1 (2900=1996) (4700=2006) into year.
FREQUENCIES year.
FREQUENCIES iso year.
CROSSTABS iso by year.
COMPUTE ref =iso*year.
FREQUENCIES ref.
CROSSTABS ref by year.
FREQUENCIES year educat wrkstcat.
RECODE year (1996=1) (ELSE=0) into d1996.
RECODE educat (0=1) (1 2 =0) into edulow.
RECODE educat (2=1) (1 0 =0) into eduhigh.
RECODE wrkstcat (0=1) (1 2 3 =0) into wrkpart.
RECODE wrkstcat (1=1) (0 2 3 =0) into wrknotact.
RECODE wrkstcat (2=1) (0 1 3=0) into wrkactunemp.
FREQUENCIES wrkpart wrknotact wrkactunemp.
FREQUENCIES edulow eduhigh.
FREQUENCIES wrkstcat.
```

```
CROSSTABS iso by v1.
```

```
DATASET ACTIVATE DataSet3.
RENAME VARIABLES cntry=iso.
COMPUTE ref=iso*year.
```

```

DATASET ACTIVATE DataSet2.
SORT CASES BY ref.
DATASET ACTIVATE DataSet3.
SORT CASES BY ref.
DATASET ACTIVATE DataSet2.
MATCH FILES /FILE=*
  /TABLE='DataSet3'
  /RENAME (iso year = d0 d1)
  /BY ref
  /DROP= d0 d1.
EXECUTE.
VALUE LABELS iso
36 "Australia" 100 "Bulgaria" 124 "Canada" 152 "Chile"
158 "Taiwan" 191 "Croatia" 196 "Zypern" 203 "Czech_Republic"
208 "Denmark" 214 "Dom_Rep" 246 "Finland" 250 "France"
276 "Germany" 348 "Hungary" 372 "Ireland" 376 "Israel"
380 "Italy" 392 "Japan" 410 "South_Korea" 428 "Latvia"
528 "Netherlands" 554 "New_Zealand" 578 "Norway" 608 "Philippines"
616 "Poland" 620 "Portugal" 643 "Russia" 705 "Slovenia"
710 "South_Africa" 724 "Spain" 752 "Sweden" 756 "Switzerland"
826 "Great Britain" 840 "United States" 858 "Uruguay" 862 "Venezuela".

RECODE
V1 V2 V3 iso jobs
OldAgeCare unemployed redincdiff sex
age edu wrkst female agesq educat wrkstcat jobsd
edulow eduhigh wrkpart wrknotact wrkactunemp
oldagecared unemployedd redincdiffd year
ref emprate foreignpct socx netmigpct
(SYSMIS=-99) (ELSE=COPY).

MISSING VALUES V1 V2 V3 iso jobs
OldAgeCare unemployed redincdiff sex
age edu wrkst female agesq educat wrkstcat jobsd
edulow eduhigh wrkpart wrknotact wrkactunemp
oldagecared unemployedd redincdiffd year
ref emprate foreignpct socx netmigpct (-99).

SELECT IF
iso EQ 36 OR iso EQ 124 OR iso EQ 250 OR
iso EQ 276 OR iso EQ 372 OR iso EQ 392 OR
iso EQ 554 OR iso EQ 578 OR iso EQ 724 OR
  iso EQ 752 OR iso EQ 756 OR iso EQ 826 OR
iso EQ 840.
EXECUTE.
FREQUENCIES iso.

AUTORECODE var =iso /INTO isor.
DO REPEAT #newvar = isod1 to isod13 / #isoval = 1 to 13.
RECODE isor (#isoval= 1)(else = 0) into #newvar.
END REPEAT print.
EXECUTE.

LOGISTIC REGRESSION oldagecared with
  foreignpct
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION unemployedd with
  foreignpct
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

```

```

LOGISTIC REGRESSION redincdiffd  with
  foreignpct
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION jobstd  with
  foreignpct
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION oldagecared  with
  foreignpct socx
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION unemployedd  with
  foreignpct socx
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION redincdiffd  with
  foreignpct socx
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION jobstd  with
  foreignpct socx
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION oldagecared  with
  foreignpct emprate
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION unemployedd  with
  foreignpct emprate
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION redincdiffd  with
  foreignpct emprate
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION jobstd  with
  foreignpct emprate
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION oldagecared  with
  netmigpct
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION unemployedd  with
  netmigpct
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
  isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION redincdiffd  with
  netmigpct
  female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp

```

```

isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION jobstd with
netmigpct
female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION oldagecared with
socx netmigpct
female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION unemployedd with
socx netmigpct
female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION redincdiffd with
socx netmigpct
female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION jobstd with
socx netmigpct
female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION oldagecared with
emprate netmigpct
female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION unemployedd with
emprate netmigpct
female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION redincdiffd with
emprate netmigpct
female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

LOGISTIC REGRESSION jobstd with
emprate netmigpct
female age agesq edulow eduhigh wrkpart wrknotact wrkactunemp
isod2 isod3 isod4 isod5 isod6 isod7 isod8 isod9 isod10 isod11 isod12 isod13 d1996.

```


Team: 7
Software: Stata
Version: ORIGINAL

```
clear
version 15.1
set more off

use "ZA4700.dta", clear

keep V3a V25 V28 V30 V31 sex age degree wrkst wrkhrs *_DEGR

rename V25 govresp_jobs
rename V28 govresp_oldage
rename V30 govresp_unempl
rename V31 govresp_inequal

compress
tempfile tempo
save "`tempo'"

use "ZA2900.dta", clear

keep v3 v36 v39 v41 v42 v200 v201 v205 v206 v215

rename v36 govresp_jobs
rename v39 govresp_oldage
rename v41 govresp_unempl
rename v42 govresp_inequal
rename v200 sex
rename v201 age
rename v206 wrkst
rename v215 wrkhrs

append using "`tempo'", gen(year)
recode year (0 = 1996) (1 = 2006)

numlabel, add

gen cntry = V3a if year == 2006
recode v3 (1 = 36) (2 3 = 276) (4 = 826) (6 = 840) (8 = 348) (9 = 9) (10 = 372) ///
(12 = 578) (13 = 752) (14 = 203) (15 = 705) (16 = 616) (17 = 17) (18 = 643) ///
(19 = 554) (20 = 124) (21 = 608) (22 23 = 376) (24 = 392) (25 = 724) (26 = 428) ///
(27 = 250) (28 = 28) (30 = 756)
replace cntry = v3 if year == 1996

lab val cntry V3A

recode govresp* (1 2 = 1) (3 4 = 0)

gen female = sex
recode female (1 = 0) (2 = 1)
lab var female "Female"

gen emplstat = wrkst
recode emplstat (1 = 1) (2/3 = 2) (5 = 3) (6/10 = 4)
lab def emplstat 1 "Fulltime" 2 "Parttime" 3 "Unemployed" 4 "Inactive"
table emplstat if emplstat <= 2, c(mean wrkhrs p10 wrkhrs p50 wrkhrs p80 wrkhrs p90
wrkhrs)

lab val emplstat emplstat
replace emplstat = 1 if wrkst == 4 & inrange(wrkhrs, 35, .)
```

```

replace emplstat = 2 if wrkst == 4 & wrkhrs < 35

replace emplstat = . if emplstat == 4 & wrkst == 4

gen edu = degree if year == 2006
recode edu (0 = 1) (1/3 = 2) (4/5 = 3)
drop *_DEGR

recode v205 (1/3 = 1) (4/5 = 2) (6/7 = 3)
replace edu = v205 if year == 1996

lab def edu 1 "Primary or less" 2 "Secondary" 3 "University or more"
lab val edu edu

keep govresp_* cntry year female age emplstat edu
merge m:1 cntry year using "Data/L2data.dta", nogen keep(3)

egen cntrynum=group(cntry) /*create sequential number*/
sum cntrynum
forvalues n=1/\`r(max)'\{
    sum year if cntrynum==`n'
    drop if cntrynum==`n' & \`r(min)'\==\`r(max)'\
}

keep if cntry==36 | /// Australia
      cntry==124 | /// Canada
      cntry==250 | /// France
      cntry==276 | /// Germany
      cntry==372 | /// Ireland
      cntry==392 | /// Japan
      cntry==554 | /// New Zealand
      cntry==578 | /// Norway
      cntry==724 | /// Spain
      cntry==752 | /// Sweden
      cntry==756 | /// Switzerland
      cntry==826 | /// Great Britain
      cntry==840 // United States

lab var foreignpct "Immigrant Stock (%)"
lab var socx "Social Welfare Expenditures (% of GDP)"
lab var emprate "Employment Rate (% in LF)"
lab var netmigpct "Change in Immigrant Stock (1-year, in %)"

local spec1 "female c.age##c.age b2.edu b1.emplstat i.cntry 2006.year"
local spec2 "`spec1' foreignpct"
local spec3 "`spec1' foreignpct socx"
local spec4 "`spec1' foreignpct emprate"
local spec5 "`spec1' netmigpct"
local spec6 "`spec1' netmigpct socx"
local spec7 "`spec1' netmigpct emprate"

local m=1

forvalues s=2/7{
    foreach var in oldage unempl inequal jobs {
        local m=`m'+1
        logit govresp_`var' `spec`s''
        estimates store model`m'
    }
}

estout model? model?? using "Results/logit_estimates.csv", replace eform ///

```

```

        cells("b(star fmt(2) label(OR))" "z(par fmt(2) label((z-value)))" ///
        mlabels(,depvar numbers) eqlab(" ") ///
        stat(N,fmt(0) label("Observations")) ///
        varlab(age "Age" c.age#c.age "Age sq." female "Female" 1.edu "Low" 3.edu
        "Tertiary" ///
        2.emplstat "Parttime" 3.emplstat "Unemployed" 4.emplstat "Inactive" ///
        foreignpct "Immigrant Stock (%)" socx "Social Welfare Expenditures (% of GDP)"
    ///
        emprate "Employment Rate (% in LF)" netmigpct "Change in Immigrant Stock (1-
    year, in %)" ///
        _cons "Constant" ///
        order(foreignpct socx emprate netmigpct) ///
        refcat(1.edu "Education (ref. secondary)" 2.emplstat "Employment (ref. full-
    time)" ///
        female "INDIVIDUAL-LEVEL VARIABLES" foreignpct "COUNTRY-LEVEL VARIABLES",nolab)
    ///
        drop(*cntry *year 1.emplstat 2.edu)          starlevels(* .05 ** .01 *** .001)

```

Team: 8
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

gen year=1996
gen country=""
replace country="Australia" if v3==1
replace country="Germany" if v3==2 | v3==3
replace country="United Kingdom" if v3==4
replace country="United States" if v3==6
replace country="Ireland" if v3==10
replace country="Norway" if v3==12
replace country="Sweden" if v3==13
replace country="New Zealand" if v3==19
replace country="Canada" if v3==20
replace country="Japan" if v3==24
replace country="Spain" if v3==25
replace country="France" if v3==27
replace country="Switzerland" if v3==30

recode v39 1/2=1 3/4=0, gen(gr_old)
recode v41 1/2=1 3/4=0, gen(gr_unemp)
recode v42 1/2=1 3/4=0, gen(gr_inc)
recode v36 1/2=1 3/4=0, gen(gr_jobs)

gen age=v201
gen age_sq=age*age
recode v200 2=1 1=0, gen(female)
recode v205 1=. 2/3=1 4/7=0, gen(edu_primary)
recode v206 (1=0) (2/3=1) (4 6 7 8 9 10=2) (5=3) , gen(occ_notact) //1=part 2= not act
3= unemp

keep year-occ_notact

saveold ISSP96.dta, replace

use "ZA4700.dta", clear

gen year=2006
gen country=""
replace country="Australia" if V3==36
replace country="Germany" if V3==276.1 | V3==276.2
replace country="United Kingdom" if V3==826.1
replace country="United States" if V3==840
replace country="Ireland" if V3==372
replace country="Norway" if V3==578
replace country="Sweden" if V3==752
replace country="New Zealand" if V3==554
replace country="Canada" if V3==124
replace country="Japan" if V3==392
replace country="Spain" if V3==724
replace country="France" if V3==250
replace country="Switzerland" if V3==756

recode V28 1/2=1 3/4=0, gen(gr_old)
recode V30 1/2=1 3/4=0, gen(gr_unemp)
recode V31 1/2=1 3/4=0, gen(gr_inc)
recode V25 1/2=1 3/4=0, gen(gr_jobs)
```

```

rename age age2
gen age=age2
gen age_sq=age*age
recode sex 2=1 1=0, gen(female)
recode degree 0/1=1 2/5=0, gen(edu_primary)
recode wrkst (1=0) (2/3=1) (4 6 7 8 9 10=2) (5=3), gen(occ_notact) //1=part 2= not act
3= unemp

keep year-occ_notact

saveold ISSP06.dta, replace

use ISSP96.dta, clear
append using ISSP06.dta

sort year country

merge m:1 year country using "L2data.dta"

ta country if _merge==1
ta country if _merge==2
keep if _merge==3
drop _merge

logit gr_old age age_sq i.female i.edu_primary i.occ_notact foreignpct i.centry i.year
, or
est sto M1
logit gr_unemp age age_sq i.female i.edu_primary i.occ_notact foreignpct i.centry
i.year , or
est sto M2
logit gr_inc age age_sq i.female i.edu_primary i.occ_notact foreignpct i.centry i.year
, or
est sto M3
logit gr_jobs age age_sq i.female i.edu_primary i.occ_notact foreignpct i.centry i.year
, or
est sto M4

logit gr_old age age_sq i.female i.edu_primary i.occ_notact foreignpct socx i.centry
i.year , or
est sto M5
logit gr_unemp age age_sq i.female i.edu_primary i.occ_notact foreignpct socx i.centry
i.year , or
est sto M6
logit gr_inc age age_sq i.female i.edu_primary i.occ_notact foreignpct socx i.centry
i.year , or
est sto M7
logit gr_jobs age age_sq i.female i.edu_primary i.occ_notact foreignpct socx i.centry
i.year , or
est sto M8

logit gr_old age age_sq i.female i.edu_primary i.occ_notact foreignpct emprate
i.centry i.year , or
est sto M9
logit gr_unemp age age_sq i.female i.edu_primary i.occ_notact foreignpct emprate
i.centry i.year , or
est sto M10
logit gr_inc age age_sq i.female i.edu_primary i.occ_notact foreignpct emprate
i.centry i.year , or
est sto M11
logit gr_jobs age age_sq i.female i.edu_primary i.occ_notact foreignpct emprate
i.centry i.year , or
est sto M12

```

```

logit gr_old age age_sq i.female i.edu_primary i.occ_notact netmigpct i.centry i.year ,
or
est sto M13
logit gr_unemp age age_sq i.female i.edu_primary i.occ_notact netmigpct i.centry
i.year , or
est sto M14
logit gr_inc age age_sq i.female i.edu_primary i.occ_notact netmigpct i.centry i.year
, or
est sto M15
logit gr_jobs age age_sq i.female i.edu_primary i.occ_notact netmigpct i.centry i.year
, or
est sto M16

logit gr_old age age_sq i.female i.edu_primary i.occ_notact netmigpct socx i.centry
i.year , or
est sto M17
logit gr_unemp age age_sq i.female i.edu_primary i.occ_notact netmigpct socx i.centry
i.year , or
est sto M18
logit gr_inc age age_sq i.female i.edu_primary i.occ_notact netmigpct socx i.centry
i.year , or
est sto M19
logit gr_jobs age age_sq i.female i.edu_primary i.occ_notact netmigpct socx i.centry
i.year , or
est sto M20

logit gr_old age age_sq i.female i.edu_primary i.occ_notact netmigpct emprate
i.centry i.year , or
est sto M21
logit gr_unemp age age_sq i.female i.edu_primary i.occ_notact netmigpct emprate
i.centry i.year , or
est sto M22
logit gr_inc age age_sq i.female i.edu_primary i.occ_notact netmigpct emprate
i.centry i.year , or
est sto M23
logit gr_jobs age age_sq i.female i.edu_primary i.occ_notact netmigpct emprate
i.centry i.year , or
est sto M24

esttab M1 M2 M3 M4 M5 M6 M7 M8 M9 M10 M11 M12 M13 M14 M15 M16 M17 M18 M19 M20 M21 M22
M23 M24 ///
using results.rtf, b(3) eform star(* 0.05 ** 0.01 *** 0.001) replace

```

Team: 9
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
  (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
  (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
  "Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
  "Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
  "Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
  "Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
  "Great Britain" 840 "United States"
label values v3a cntrylbl
recode v4 (2=0) (8/9=.) (0=.), gen(dobeylaws)
recode v5 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgprotest)
recode orgprotest (1/2=0) (3/4=1), gen(dorgprotest)
recode v6 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgmarch)
recode orgmarch (1/2=0) (3/4=1), gen(dmarch)
recode v7 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgstrike)
recode orgstrike (1/2=0) (3/4=1), gen(dorgstrike)
recode v25 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)
recode v26 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)
recode v27 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)
recode v28 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)
recode v29 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)
recode v30 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)
recode v31 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)
recode v32 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)
recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
recode v38 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)
recode v38 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
recode v39 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)
recode v39 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)
recode v41 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)
recode v42 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)
recode v43 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)
recode v44 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)
recode v45 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)
recode v19 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)
recode v20 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
```

```

recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)
recode v21 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)
recode v22 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)
recode v23 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)
recode v24 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)
rename v201 age
gen agesq=age*age

recode v200 (1=0) (2=1), gen(female)

rename v202 marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode v203 (2=0), gen(partner)

rename v273 hhsz

recode v274 (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 27 {
    replace kidshh=1 if v274==`i'
    local i = `i' + 2
}

recode v275 (3=1) (nonmiss=0), gen(rural)
recode v275 (2=1) (nonmiss=0), gen(suburb)

rename v324 ETHNIC

rename v204 edyears
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename v208 isco
rename v209 occ2
rename v215 hourswrk

recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptemp)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=v213==1
replace selfemp=. if v206==.
gen pubemp=(v212==1 | v212==2)
replace pubemp=. if v206==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if v206==.

```



```

gen inczscore=.
levelsof v3a, local(cntries)
foreach cntryval of local(cntries) {
    zscore faminc if v3a==`cntryval', listwise
    replace inczscore=z_faminc if v3a==`cntryval'
    drop z_faminc
}

recode v222 (2=0), gen(union)

rename v223 party

recode v220 (1/2=1) (nonmiss=0), gen(highrel)
recode v220 (3/5=1) (nonmiss=0), gen(lowrel)
recode v220 (6=1) (nonmiss=0), gen(norel)
rename v220 religion

gen year=1996
gen yr2006=0

rename v3a cntry
rename v325 wgths

save "ISSP96recode.dta", replace

use "ZA4700.dta", clear

recode V17 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)
recode V18 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)
recode V19 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)
recode V20 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)
recode V21 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)
recode V22 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)
recode V23 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)
recode V24 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)
recode V35 (1=5) (2=4) (4=2) (5=1), gen(suchcare)
recode suchcare (1/3=0) (4/5=1), gen(dsuchcare)
recode V36 (1=5) (2=4) (4=2) (5=1), gen(sucret)
recode sucret (1/3=0) (4/5=1), gen(dsucret)
recode V37 (1=5) (2=4) (4=2) (5=1), gen(sucdef)
recode sucdef (1/3=0) (4/5=1), gen(dsucdef)
recode V38 (1=5) (2=4) (4=2) (5=1), gen(suclaw)
recode suclaw (1/3=0) (4/5=1), gen(dsuclaw)
recode V39 (1=5) (2=4) (4=2) (5=1), gen(sucunemp)
recode sucunemp (1/3=0) (4/5=1), gen(dsucunemp)
recode V40 (1=5) (2=4) (4=2) (5=1), gen(sucenv)
recode sucenv (1/3=0) (4/5=1), gen(dsucenv)
recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
recode V26 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)
recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)

```

```

recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)
recode V29 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)
recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)
recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)
recode V32 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)
recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)
recode V34 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)
recode V11 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)
recode V12 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)
recode V13 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)
recode V14 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)
recode V15 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)
recode V16 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)
rename V41 govdetain
recode govdetain (1/2=1) (3/4=0), gen(dgovdetain)
rename V42 govtapphone
recode govtapphone (1/2=1) (3/4=0), gen(dgovtap)
rename V43 govsearch
recode govsearch (1/2=1) (3/4=0), gen(dgovsearch)
rename V54 trustfew
recode trustfew (1/2 = 0) (3/5 = 1), gen(dtrust)
rename V55 takeadv
recode takeadv (1/2 = 0) (3/5 = 1), gen(dtakeadv)

gen agesq=age*age
recode sex (1=0) (2=1), gen(female)
rename marital marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)
recode cohab (2=0), gen(partner)
rename hompop hhsize
recode hhcycle (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)

local i = 10
while `i' < 29 {
    replace kidshh=1 if hhcycle==`i'
    local i = `i' + 2
}

recode urbrural (1/3=0) (4/5=1), gen(rural)
recode urbrural (2/3=1) (nonmiss=0), gen(suburb)
rename educyrs edyears
rename degree edcat
recode edcat (0=1), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher Ed" 5 "University or higher"
label values degree edlabels

```

```

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)
rename wrkst empstat
rename ISCO88 isco // see pg 137 in codebook
rename wrkhrs hourswrk

recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptime)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=wrktype==4
replace selfemp=. if empstat==.
gen pubemp=(wrktype==1 | wrktype==2)
replace pubemp=. if empstat==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if empstat==.
gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
  FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
  PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
  zscore `incvar', listwise
  replace inczscore=z_`incvar' if z_`incvar'!=.
  drop z_`incvar'
}

recode union (2/3=0)
rename PARTY_LR party
recode attend (1/3=1) (nonmiss=0), gen(highrel)
recode attend (4/7=1) (nonmiss=0), gen(lowrel)
recode attend (8=1) (nonmiss=0), gen(norel)
rename attend religion
rename V3a cntry
rename weight wghts
gen year=2006
gen yr2006=1

gen mail=mode==34

save "ISSP06recode.dta", replace

append using "ISSP96recode.dta"
sort cntry year
merge m:1 cntry year using "$data/dta/stata12/bradyfinnigan2014countrydata.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
  (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
  (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)
save "$workdir/ISSP9606.dta", replace

use "ISSP9606.dta", clear
keep if year==2006
keep if orig17

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female nevermar divorced widow hhsiz kidshh rural suburb
  lesshs univ ptemp unemp nolabor selfemp pubemp inczscore highrel lowrel"
global cntryvars "foreignpct netmigpct cforborn socx socdem liberal emprate"

egen allcontrols = rowmiss($controls)

```

```

recode allcontrols (0=1) (nonmiss=0)
keep if allcontrols

preserve
keep if allcontrols
keep $depvars $cntryvars $controls
outreg2 using "$tables/desc2006.xls", replace noaster excel sideways bdec(3) sdec(3)
    sum(detail) eqkeep(mean sd)
restore

preserve
keep if allcontrols
collapse $depvars, by(cntry)
outsheet cntry $depvars using "$tables/depvars2006.xls", comma replace
restore

preserve
keep if allcontrols
keep cntry $depvars
bysort cntry: outreg2 using "$tables/depvars2006.xls", append noaster excel sideways
    bdec(2) sdec(2) sum(detail) eqkeep(mean sd)
restore

preserve
collapse $depvars foreignpct netmigpct cforborn, by(cntry)
corr foreignpct netmigpct cforborn $depvars

label define cntrylab 36 "AUS" 124 "CAN" 191 "CRO" 203 "CZR" 208 "DEN" 246 "FIN" 250
    "FRA" 276 "GER" 348 "HUN" 372 "IRE" 376 "ISR" 392 "JAP" 410 "KOR" 428 "LAT" 528 "NET"
    554 "NEW" 578 "NOR" 616 "POL" 620 "POR" 705 "SLO" 724 "SPA" 752 "SWE" 756 "SWZ" 826
    "UKM" 840 "USA"
label values cntry cntrylab

twoway scatter dgovretire foreignpct, msymbol(i) mlabel(cntry) || lfit dgovretire
    foreignpct, xtitle("% Foreign Born") legend(off) name(ret_fb, replace)
twoway scatter dgovretire netmigpct, msymbol(i) mlabel(cntry) || lfit dgovretire
    netmigpct, xtitle("Net Migration") legend(off) name(ret_netmig, replace)
graph combine ret_fb ret_netmig, row(1) xsize(9) ysize(5)
graph export "$figures/figure2.tif", width(2700) height(1500) replace

twoway scatter dgovretire cforborn, msymbol(i) mlabel(cntry) mlabbp(12) || lfit
    dgovretire cforborn, xtitle("Change in % Foreign Born") legend(off)
graph export "$figures/appendixV.tif", width(1650) height(1200) replace

restore

foreach depvar in $depvars {
    xtlogit `depvar' $controls, i(cntry) quad(30)
    outreg2 using "$tables/controls2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
        **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct $controls, i(cntry) quad(30)
    outreg2 using "$tables/forborn2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
        *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct socx $controls, i(cntry) quad(30)

```

```

outreg2 using "$tables/forborn2006socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
**, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
rename a `depvar'
}

foreach depvar in $depvars {
  rename `depvar' a
  xtlogit a foreignpct socdem liberal $controls, i(cntry) quad(30)
  outreg2 using "$tables/forborn2006regime.xls", excel alpha(0.001, 0.01, 0.05)
  sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
  rename a `depvar'
}

foreach depvar in $depvars {
  rename `depvar' a
  xtlogit a foreignpct emprate $controls, i(cntry) quad(30)
  outreg2 using "$tables/forborn2006emprate.xls", excel alpha(0.001, 0.01, 0.05)
  sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
  rename a `depvar'
}

foreach depvar in $depvars {
  rename `depvar' a
  xtlogit a foreignpct mcp $controls, i(cntry) quad(30)
  outreg2 using "$tables/forborn2006mcp.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
**, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
  rename a `depvar'
}

foreach depvar in $depvars {
  xtlogit `depvar' netmigpct $controls, i(cntry) quad(30)
  outreg2 using "$tables/netmig2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
*) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  xtlogit `depvar' netmigpct socx $controls, i(cntry) quad(30)
  outreg2 using "$tables/netmig2006socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
**, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  xtlogit `depvar' netmigpct socdem liberal $controls, i(cntry) quad(30)
  outreg2 using "$tables/netmig2006regime.xls", excel alpha(0.001, 0.01, 0.05)
  sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  xtlogit `depvar' netmigpct emprate $controls, i(cntry) quad(30)
  outreg2 using "$tables/netmig2006emprate.xls", excel alpha(0.001, 0.01, 0.05)
  sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  xtlogit `depvar' netmigpct mcp $controls, i(cntry) quad(30)
  outreg2 using "$tables/netmig2006mcp.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
**, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  xtlogit `depvar' netmigpct foreignpct $controls, i(cntry) quad(30)
  outreg2 using "$tables/netmig2006forborn.xls", excel alpha(0.001, 0.01, 0.05)
  sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

```

}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn $controls, i(cntry) quad(30)
    outreg2 using "$tables/cforborn2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn socx $controls, i(cntry) quad(30)
    outreg2 using "$tables/cforborn2006socx.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn socdem liberal $controls, i(cntry) quad(30)
    outreg2 using "$tables/cforborn2006regime.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn emprate $controls, i(cntry) quad(30)
    outreg2 using "$tables/cforborn2006emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn mcp $controls, i(cntry) quad(30)
    outreg2 using "$tables/cforborn2006mcp.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a cforborn foreignpct $controls, i(cntry) quad(30)
    outreg2 using "$tables/cforborn2006forborn.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    ctitle(`depvar')
    rename a `depvar'
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn netmigpct $controls, i(cntry) quad(30)
    outreg2 using "$tables/cforborn2006netmig.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

use "ISSP9606.dta", clear
keep if orig13

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
    yr2006"
global cntryvars "foreignpct netmigpct socx emprate"

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)

quietly tab cntry, gen(cntryfe)

preserve

```

```

keep if allcontrols & year==1996 & dgovincdiff<.
keep $depvars $cntryvars $controls
outreg2 using "$tables/desc1996.xls", replace noaster excel sideways bdec(3) sdec(3)
    sum(detail) eqkeep(mean sd)
restore

preserve
keep if allcontrols & year==1996
collapse $depvars, by(cntry)
outsheet cntry $depvars using "$tables/depvars1996", comma replace
restore

foreach depvar in $depvars {
    logit `depvar' foreignpct $controls cntryfe*
    outreg2 using "$tables/forborn9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct socx $controls cntryfe*
    outreg2 using "$tables/forborn9606socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct emprate $controls cntryfe*
    outreg2 using "$tables/forborn9606emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct $controls cntryfe*
    outreg2 using "$tables/netmig9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct socx $controls cntryfe*
    outreg2 using "$tables/netmig9606socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct emprate $controls cntryfe*
    outreg2 using "$tables/netmig9606emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct foreignpct $controls cntryfe*
    outreg2 using "$tables/netmig9606forborn.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' $controls cntryfe*
    outreg2 using "$tables/controls9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

Team: 10
Software: R
Version: ORIGINAL

```
library(tidyverse)
library(texreg)

data <- read_csv("prepared-data.csv", col_types = list(
  change_foreign_born = "d", multiculturalism_policy = "d"))

data <- filter(data, !country %in% c("Denmark", "Finland", "Netherlands",
  "Portugal"))

data <- mutate(data, sex = fct_relevel(sex, "male"))

controls <- "+ age + age_sq + sex + highschool_or_less +
  university + part_time_employed + no_labor + unemployed + self_employed +
  relative_income_z + country + year"

model_4_1_1 <- glm(as.formula(paste("jobs2 ~ foreign_born", controls)),
  data = data, family = binomial)
model_4_1_2 <- glm(as.formula(paste("unemployment2 ~ foreign_born", controls)),
  data = data, family = binomial)
model_4_1_3 <- glm(as.formula(paste("income2 ~ foreign_born", controls)),
  data = data, family = binomial)
model_4_1_4 <- glm(as.formula(paste("retirement2 ~ foreign_born", controls)),
  data = data, family = binomial)
model_4_1_5 <- glm(as.formula(paste("housing2 ~ foreign_born", controls)),
  data = data, family = binomial)
model_4_1_6 <- glm(as.formula(paste("healthcare2 ~ foreign_born", controls)),
  data = data, family = binomial)

model_4_2_1 <- glm(as.formula(paste("jobs2 ~ foreign_born +
  social_welfare_expenditure", controls)), data = data, family = binomial)
model_4_2_2 <- glm(as.formula(paste("unemployment2 ~ foreign_born +
  social_welfare_expenditure", controls)), data = data, family = binomial)
model_4_2_3 <- glm(as.formula(paste("income2 ~ foreign_born +
  social_welfare_expenditure", controls)), data = data, family = binomial)
model_4_2_4 <- glm(as.formula(paste("retirement2 ~ foreign_born +
  social_welfare_expenditure", controls)), data = data, family = binomial)
model_4_2_5 <- glm(as.formula(paste("housing2 ~ foreign_born +
  social_welfare_expenditure", controls)), data = data, family = binomial)
model_4_2_6 <- glm(as.formula(paste("healthcare2 ~ foreign_born +
  social_welfare_expenditure", controls)), data = data, family = binomial)

model_4_3_1 <- glm(as.formula(paste("jobs2 ~ foreign_born +
  employment_rate", controls)), data = data, family = binomial)
model_4_3_2 <- glm(as.formula(paste("unemployment2 ~ foreign_born +
  employment_rate", controls)), data = data, family = binomial)
model_4_3_3 <- glm(as.formula(paste("income2 ~ foreign_born +
  employment_rate", controls)), data = data, family = binomial)
model_4_3_4 <- glm(as.formula(paste("retirement2 ~ foreign_born +
  employment_rate", controls)), data = data, family = binomial)
model_4_3_5 <- glm(as.formula(paste("housing2 ~ foreign_born +
  employment_rate", controls)), data = data, family = binomial)
model_4_3_6 <- glm(as.formula(paste("healthcare2 ~ foreign_born +
  employment_rate", controls)), data = data, family = binomial)

models <- list(model_4_1_1, model_4_1_2, model_4_1_3, model_4_1_4, model_4_1_5,
  model_4_1_6, model_4_2_1, model_4_2_2, model_4_2_3, model_4_2_4, model_4_2_5,
  model_4_2_6, model_4_3_1, model_4_3_2, model_4_3_3, model_4_3_4, model_4_3_5,
  model_4_3_6)
```



```

model_5_1_1 <- glm(as.formula(paste("jobs2 ~ net_migration", controls)),
  data = data, family = binomial)
model_5_1_2 <- glm(as.formula(paste("unemployment2 ~ net_migration", controls)),
  data = data, family = binomial)
model_5_1_3 <- glm(as.formula(paste("income2 ~ net_migration", controls)),
  data = data, family = binomial)
model_5_1_4 <- glm(as.formula(paste("retirement2 ~ net_migration", controls)),
  data = data, family = binomial)
model_5_1_5 <- glm(as.formula(paste("housing2 ~ net_migration", controls)),
  data = data, family = binomial)
model_5_1_6 <- glm(as.formula(paste("healthcare2 ~ net_migration", controls)),
  data = data, family = binomial)

model_5_2_1 <- glm(as.formula(paste("jobs2 ~ net_migration +
  social_welfare_expenditure", controls)), data = data, family = binomial)
model_5_2_2 <- glm(as.formula(paste("unemployment2 ~ net_migration +
  social_welfare_expenditure", controls)), data = data, family = binomial)
model_5_2_3 <- glm(as.formula(paste("income2 ~ net_migration +
  social_welfare_expenditure", controls)), data = data, family = binomial)
model_5_2_4 <- glm(as.formula(paste("retirement2 ~ net_migration +
  social_welfare_expenditure", controls)), data = data, family = binomial)
model_5_2_5 <- glm(as.formula(paste("housing2 ~ net_migration +
  social_welfare_expenditure", controls)), data = data, family = binomial)
model_5_2_6 <- glm(as.formula(paste("healthcare2 ~ net_migration +
  social_welfare_expenditure", controls)), data = data, family = binomial)

model_5_3_1 <- glm(as.formula(paste("jobs2 ~ net_migration +
  employment_rate", controls)), data = data, family = binomial)
model_5_3_2 <- glm(as.formula(paste("unemployment2 ~ net_migration +
  employment_rate", controls)), data = data, family = binomial)
model_5_3_3 <- glm(as.formula(paste("income2 ~ net_migration +
  employment_rate", controls)), data = data, family = binomial)
model_5_3_4 <- glm(as.formula(paste("retirement2 ~ net_migration +
  employment_rate", controls)), data = data, family = binomial)
model_5_3_5 <- glm(as.formula(paste("housing2 ~ net_migration +
  employment_rate", controls)), data = data, family = binomial)
model_5_3_6 <- glm(as.formula(paste("healthcare2 ~ net_migration +
  employment_rate", controls)), data = data, family = binomial)

model_5_4_1 <- glm(as.formula(paste("jobs2 ~ net_migration +
  foreign_born", controls)), data = data, family = binomial)
model_5_4_2 <- glm(as.formula(paste("unemployment2 ~ net_migration +
  foreign_born", controls)), data = data, family = binomial)
model_5_4_3 <- glm(as.formula(paste("income2 ~ net_migration +
  foreign_born", controls)), data = data, family = binomial)
model_5_4_4 <- glm(as.formula(paste("retirement2 ~ net_migration +
  foreign_born", controls)), data = data, family = binomial)
model_5_4_5 <- glm(as.formula(paste("housing2 ~ net_migration +
  foreign_born", controls)), data = data, family = binomial)
model_5_4_6 <- glm(as.formula(paste("healthcare2 ~ net_migration +
  foreign_born", controls)), data = data, family = binomial)

model_controls_jobs <- glm(as.formula(paste("jobs2 ~ ", controls)),
  data = data, family = binomial)
model_controls_unemployment <- glm(as.formula(paste("unemployment2 ~ ",
  controls)), data = data, family = binomial)
model_controls_income <- glm(as.formula(paste("income2 ~ ", controls)),
  data = data, family = binomial)
model_controls_retirement <- glm(as.formula(paste("retirement2 ~ ", controls)),
  data = data, family = binomial)
model_controls_housing <- glm(as.formula(paste("housing2 ~ ", controls)),

```

```

    data = data, family = binomial)
model_controls_healthcare <- glm(as.formula(paste("healthcare2 ~ ", controls)),
    data = data, family = binomial)

htmlreg(models,
  # compute odds-ratios
  override.coef = lapply(models, function(x) exp(coef(x))),
  # replace se with z-statistics
  override.se = lapply(models, function(x) coef(x)/sqrt(diag(vcov(x)))),
  caption.above = TRUE, omit.coef = "(factor)|(edu)|(female)|(age)",
  single.row = FALSE, stars = c(0.001, 0.01, 0.05),
  digits = 3,
  file = "table.doc")

```

Team: 10
 Software: R
 Version: ORIGINAL

```

library(tidyverse)
library(haven)
library(labelled)

country_data <- read_csv("bradyfinnigan2014countrydata.csv")

country_data <- country_data %>%
  mutate(
    mcp = (mcp2000 + mcp2010) / 2) %>%
  select(
    country, year, foreignpct, netmigpct, cforborn, socx, socdem, liberal,
    emprate, mcp) %>%
  rename(
    foreign_born = foreignpct,
    net_migration = netmigpct,
    change_foreign_born = cforborn,
    social_welfare_expenditure = socx,
    regime_social_democratic = socdem,
    regime_liberal = liberal,
    employment_rate = emprate,
    multiculturalism_policy = mcp
  )

country_data <- filter(country_data, country %in% c("Australia", "Canada",
  "Denmark", "Finland", "France", "Germany", "Ireland",
  "Japan", "Netherlands", "New Zealand", "Norway", "Portugal",
  "Spain", "Sweden", "Switzerland", "United Kingdom", "United States"))

data96 <- read_stata("ZA2900.dta")

data96 <- select(data96, v3, v36, v38, v39, v41, v42, v44, v200, v201, v202,
  v205, v206, v212, v213, v218, v220, v273, v274, v275)

data96 <- data96 %>%
  rename(
    country = v3,
    jobs = v36,
    healthcare = v38,
    retirement = v39,
    unemployment = v41,
    income = v42,
    housing = v44,
    sex = v200,

```

```

    age = v201,
    marital_status = v202,
    education = v205,
    employment = v206,
    work_sector = v212,
    self_employed = v213,
    relative_income = v218,
    religious_attendance = v220,
    household_size = v273,
    household_cycle = v274,
    urban_rural = v275
  )

data96 <- data96 %>%
  mutate(
    country = recode(country, `1` = "Australia", `20` = "Canada",
      `27` = "France", `2` = "Germany", `3` = "Germany", `10` = "Ireland",
      `24` = "Japan", `19` = "New Zealand", `12` = "Norway", `25` = "Spain",
      `13` = "Sweden", `30` = "Switzerland", `4` = "United Kingdom",
      `6` = "United States")
  )

data96 <- filter(data96, country %in% c("Australia",
  "Canada", "Switzerland", "Germany", "Spain", "France", "United Kingdom",
  "Ireland", "Japan", "Norway", "New Zealand", "Sweden", "United States"))

data96 <- data96 %>%
  mutate(
    jobs = 5 - jobs,
    unemployment = 5 - unemployment,
    income = 5 - income,
    retirement = 5 - retirement,
    housing = 5 - housing,
    healthcare = 5 - healthcare
  )

data96 <- data96 %>%
  mutate(
    jobs2 = if_else(jobs > 2, 1, 0),
    unemployment2 = if_else(unemployment > 2, 1, 0),
    income2 = if_else(income > 2, 1, 0),
    retirement2 = if_else(retirement > 2, 1, 0),
    housing2 = if_else(housing > 2, 1, 0),
    healthcare2 = if_else(healthcare > 2, 1, 0)
  )

data96 <- data96 %>%
  mutate(
    age_sq = age^2,

    sex = factor(sex, labels = c("male", "female")),

    never_married = recode(marital_status, `5` = 1, .default = 0),
    married = recode(marital_status, `1` = 1, .default = 0),
    divorced = recode(marital_status, `3` = 1, `4` = 1, .default = 0),
    widow = recode(marital_status, `2` = 1, .default = 0),

    household_with_children = if_else(household_cycle %in% c(2, 3, 4, 6, 7, 8,
      10, 12, 14, 16, 18, 20, 22, 24, 26, 28), 1, 0),

    rural = recode(urban_rural, `3` = 1, .default = 0),
    suburb = recode(urban_rural, `2` = 1, .default = 0),
  )

```

```

degree = recode(education,
  `1` = "primary or less", `2` = "primary or less", `3` = "primary or less",
  `4` = "some secondary", `5` = "secondary", `6` = "some higher ed",
  `7` = "university or higher"
),
highschool_or_less = recode(degree, "primary or less" = 1,
  "some secondary" = 1, .default = 0),
highschool = recode(degree, "secondary" = 1, "some higher ed" = 1,
  .default = 0),
university = recode(degree, "university or higher" = 1, .default = 0),

full_time_employed = recode(employment, `1` = 1, .default = 0),
part_time_employed = recode(employment, `2` = 1, `3` = 1, `4` = 1,
  .default = 0),
unemployed = recode(employment, `5` = 1, .default = 0),
no_labor = recode(employment, `6` = 1, `7` = 1, `8` = 1, `9` = 1, `10` = 1,
  .default = 0),
self_employed = if_else(self_employed == 1, 1, 0),
self_employed = replace_na(self_employed, 0),
self_employed = if_else(is.na(employment), NA_real_, self_employed),
employed_public = if_else(work_sector == 1 | work_sector == 2, 1, 0),
employed_public = replace_na(employed_public, 0),
employed_public = if_else(is.na(employment), NA_real_, employed_public),
employed_private = if_else(self_employed == 0 & employed_public == 0, 1, 0),
employed_private = replace_na(employed_private, 0),
employed_private = if_else(is.na(employment), NA_real_, employed_private),

religious_attendance_high = recode(religious_attendance, `1` = 1, `2` = 1,
  .default = 0),
religious_attendance_low = recode(religious_attendance, `3` = 1, `4` = 1,
  `5` = 1, .default = 0),
religious_attendance_none = recode(religious_attendance, `6` = 1,
  .default = 0)
)

data96 <- data96 %>%
  group_by(country) %>%
  mutate(relative_income_z = scale(relative_income))

data96 <- mutate(data96, year = 1996)

data96 <- data96 %>%
  select(country, year, jobs2, unemployment2, income2, retirement2, housing2,
    healthcare2, age, age_sq, sex, never_married, divorced, widow,
    household_size, household_with_children, rural, suburb, highschool_or_less,
    university, part_time_employed, no_labor, unemployed, self_employed,
    employed_public, relative_income_z, religious_attendance_high,
    religious_attendance_low)

data06 <- read_stata("ZA4700.dta")

data06 <- data06 %>%
  select(
    V3, V25, V30, V31, V28, V33, V27, sex, age, marital, degree, urbrural,
    wrkst, wrktype, attend, hompop, hhcycle, AU_INC, CA_INC, CH_INC, CL_INC,
    CZ_INC, DE_INC, DK_INC, DO_INC, ES_INC, FI_INC, FR_INC, GB_INC, HR_INC,
    HU_INC, IE_INC, IL_INC, JP_INC, KR_INC, LV_INC, NL_INC, NO_INC, NZ_INC,
    PH_INC, PL_INC, PT_INC, RU_INC, SE_INC, SI_INC, TW_INC, US_INC, UY_INC,
    VE_INC, ZA_INC)

data06 <- data06 %>%
  unite(col = "relative_income", AU_INC, CA_INC, CH_INC, CL_INC, CZ_INC, DE_INC,
    DK_INC, DO_INC, ES_INC, FI_INC, FR_INC, GB_INC, HR_INC, HU_INC, IE_INC,

```

```

    IL_INC, JP_INC, KR_INC, LV_INC, NL_INC, NO_INC, NZ_INC, PH_INC, PL_INC,
    PT_INC, RU_INC, SE_INC, SI_INC, TW_INC, US_INC, UY_INC, VE_INC, ZA_INC) %>%
mutate(
  relative_income = as.numeric(str_replace_all(relative_income, "NA|_", "")))

data06 <- data06 %>%
  rename(
    country = V3,
    jobs = V25,
    unemployment = V30,
    income = V31,
    retirement = V28,
    housing = V33,
    healthcare = V27,
    marital_status = marital,
    education = degree,
    employment = wrkst,
    work_type = wrktype,
    religious_attendance = attend,
    household_size = hompop,
    household_cycle = hhcycle,
    urban_rural = urbrural
  )

data06 <- data06 %>%
  mutate(
    country = recode(country, `36` = "Australia", `124` = "Canada",
      `208` = "Denmark", `246` = "Finland", `250` = "France",
      `276.1` = "Germany", `276.2` = "Germany", `372` = "Ireland",
      `392` = "Japan", `528` = "Netherlands", `554` = "New Zealand",
      `578` = "Norway", `620` = "Portugal", `724` = "Spain", `752` = "Sweden",
      `756` = "Switzerland", `826.1` = "United Kingdom",
      `840` = "United States"))

data06 <- filter(data06, country %in% c("Australia", "Canada",
  "Denmark", "Finland", "France", "Germany", "Ireland",
  "Japan", "Netherlands", "New Zealand", "Norway", "Portugal",
  "Spain", "Sweden", "Switzerland", "United Kingdom", "United States"))

data06 <- data06 %>%
  mutate(
    jobs = 5 - jobs,
    unemployment = 5 - unemployment,
    income = 5 - income,
    retirement = 5 - retirement,
    housing = 5 - housing,
    healthcare = 5 - healthcare
  )

data06 <- data06 %>%
  mutate(
    jobs2 = if_else(jobs > 2, 1, 0),
    unemployment2 = if_else(jobs > 2, 1, 0),
    income2 = if_else(jobs > 2, 1, 0),
    retirement2 = if_else(jobs > 2, 1, 0),
    housing2 = if_else(jobs > 2, 1, 0),
    healthcare2 = if_else(jobs > 2, 1, 0)
  )

data06 <- data06 %>%
  mutate(
    age_sq = age^2,

```

```

sex = factor(sex, labels = c("male", "female")),

never_married = recode(marital_status, `5` = 1, .default = 0),
married = recode(marital_status, `1` = 1, .default = 0),
divorced = recode(marital_status, `3` = 1, `4` = 1, .default = 0),
widow = recode(marital_status, `2` = 1, .default = 0),

household_with_children = if_else(household_cycle %in% c(2, 3, 4, 6, 7, 8,
  10, 12, 14, 16, 18, 20, 22, 24, 26, 28), 1, 0),

rural = recode(urban_rural, `3` = 1, .default = 0),
suburb = recode(urban_rural, `2` = 1, .default = 0),

degree = recode(education,
  `1` = "primary or less", `2` = "primary or less", `3` = "primary or less",
  `4` = "some secondary", `5` = "secondary", `6` = "some higher ed",
  `7` = "university or higher"
),
highschool_or_less = recode(degree, "primary or less" = 1,
  "some secondary" = 1, .default = 0),
highschool = recode(degree, "secondary" = 1, "some higher ed" = 1,
  .default = 0),
university = recode(degree, "university or higher" = 1, .default = 0),

full_time_employed = recode(employment, `1` = 1, .default = 0),
part_time_employed = recode(employment, `2` = 1, `3` = 1, `4` = 1,
  .default = 0),
unemployed = recode(employment, `5` = 1, .default = 0),
no_labor = recode(employment, `6` = 1, `7` = 1, `8` = 1, `9` = 1, `10` = 1,
  .default = 0),
self_employed = if_else(work_type == 4, 1, 0),
self_employed = replace_na(self_employed, 0),
self_employed = if_else(is.na(employment), NA_real_, self_employed),
employed_public = if_else(work_type == 1 | work_type == 2, 1, 0),
employed_public = replace_na(employed_public, 0),
employed_public = if_else(is.na(employment), NA_real_, employed_public),
employed_private = if_else(self_employed == 0 & employed_public == 0, 1, 0),
employed_private = replace_na(employed_private, 0),
employed_private = if_else(is.na(employment), NA_real_, employed_private),

religious_attendance_high = recode(religious_attendance, `1` = 1, `2` = 1,
  `3` = 1, .default = 0),
religious_attendance_low = recode(religious_attendance, `4` = 1, `5` = 1,
  `6` = 1, `7` = 1, .default = 0),
religious_attendance_none = recode(religious_attendance, `8` = 1,
  .default = 0)
)

data06 <- data06 %>%
  group_by(country) %>%
  mutate(relative_income_z = scale(relative_income))

data06 <- mutate(data06, year = 2006)

data06 <- data06 %>%
  select(country, year, jobs2, unemployment2, income2, retirement2, housing2,
    healthcare2, age, age_sq, sex, never_married, divorced, widow,
    household_size, household_with_children, rural, suburb, highschool_or_less,
    university, part_time_employed, no_labor, unemployed, self_employed,
    employed_public, relative_income_z, religious_attendance_high,
    religious_attendance_low)

data <- bind_rows(data96, data06)

```

```
data <- left_join(data, country_data, by = c("country", "year"))

write_csv(data, "prepared-data.csv", na = "")
```

Team: 10
Software: R
Version: CURATED

```
library(tidyverse)
library(haven)
library(labelled)

country_data <- read_csv("bradyfinnigan2014countrydata.csv")

country_data <- country_data %>%
  mutate(
    mcp = (mcp2000 + mcp2010) / 2) %>%
  dplyr::select(
    country, year, foreignpct, netmigpct, cforborn, socx, socdem, liberal,
    emprate, mcp) %>%
  rename(
    foreign_born = foreignpct,
    net_migration = netmigpct,
    change_foreign_born = cforborn,
    social_welfare_expenditure = socx,
    regime_social_democratic = socdem,
    regime_liberal = liberal,
    employment_rate = emprate,
    multiculturalism_policy = mcp
  )

country_data <- filter(country_data, country %in% c("Australia", "Canada",
  "Denmark", "Finland", "France", "Germany", "Ireland",
  "Japan", "Netherlands", "New Zealand", "Norway", "Portugal",
  "Spain", "Sweden", "Switzerland", "United Kingdom", "United States"))

data96 <- read_stata("ZA2900.dta")

data96 <- dplyr::select(data96, v3, v36, v38, v39, v41, v42, v44, v200, v201, v202,
  v205, v206, v212, v213, v218, v220, v273, v274, v275)

data96 <- data96 %>%
  rename(
    country = v3,
    jobs = v36,
    healthcare = v38,
    retirement = v39,
    unemployment = v41,
    income = v42,
    housing = v44,
    sex = v200,
    age = v201,
    marital_status = v202,
    education = v205,
    employment = v206,
    work_sector = v212,
    self_employed = v213,
    relative_income = v218,
    religious_attendance = v220,
    household_size = v273,
```

```

    household_cycle = v274,
    urban_rural = v275
  )

data96 <- data96 %>%
  mutate(
    country = recode(country, `1` = "Australia", `20` = "Canada",
      `27` = "France", `2` = "Germany", `3` = "Germany", `10` = "Ireland",
      `24` = "Japan", `19` = "New Zealand", `12` = "Norway", `25` = "Spain",
      `13` = "Sweden", `30` = "Switzerland", `4` = "United Kingdom",
      `6` = "United States")
  )

data96 <- filter(data96, country %in% c("Australia",
  "Canada", "Switzerland", "Germany", "Spain", "France", "United Kingdom",
  "Ireland", "Japan", "Norway", "New Zealand", "Sweden", "United States"))

data96 <- data96 %>%
  mutate(
    jobs = 5 - jobs,
    unemployment = 5 - unemployment,
    income = 5 - income,
    retirement = 5 - retirement,
    housing = 5 - housing,
    healthcare = 5 - healthcare
  )

data96 <- data96 %>%
  mutate(
    jobs2 = if_else(jobs > 2, 1, 0),
    unemployment2 = if_else(unemployment > 2, 1, 0),
    income2 = if_else(income > 2, 1, 0),
    retirement2 = if_else(retirement > 2, 1, 0),
    housing2 = if_else(housing > 2, 1, 0),
    healthcare2 = if_else(healthcare > 2, 1, 0)
  )

data96 <- data96 %>%
  mutate(
    age_sq = age^2,

    sex = factor(sex, labels = c("male", "female")),

    never_married = recode(marital_status, `5` = 1, .default = 0),
    married = recode(marital_status, `1` = 1, .default = 0),
    divorced = recode(marital_status, `3` = 1, `4` = 1, .default = 0),
    widow = recode(marital_status, `2` = 1, .default = 0),

    household_with_children = if_else(household_cycle %in% c(2, 3, 4, 6, 7, 8,
      10, 12, 14, 16, 18, 20, 22, 24, 26, 28), 1, 0),

    rural = recode(urban_rural, `3` = 1, .default = 0),
    suburb = recode(urban_rural, `2` = 1, .default = 0),

    degree = recode(education,
      `1` = "primary or less", `2` = "primary or less", `3` = "primary or less",
      `4` = "some secondary", `5` = "secondary", `6` = "some higher ed",
      `7` = "university or higher"
    ),
    highschool_or_less = recode(degree, "primary or less" = 1,
      "some secondary" = 1, .default = 0),
    highschool = recode(degree, "secondary" = 1, "some higher ed" = 1,
      .default = 0),
  )

```



```

university = recode(degree, "university or higher" = 1, .default = 0),

full_time_employed = recode(employment, `1` = 1, .default = 0),
part_time_employed = recode(employment, `2` = 1, `3` = 1, `4` = 1,
  .default = 0),
unemployed = recode(employment, `5` = 1, .default = 0),
no_labor = recode(employment, `6` = 1, `7` = 1, `8` = 1, `9` = 1, `10` = 1,
  .default = 0),
self_employed = if_else(self_employed == 1, 1, 0),
self_employed = replace_na(self_employed, 0),
self_employed = if_else(is.na(employment), NA_real_, self_employed),
employed_public = if_else(work_sector == 1 | work_sector == 2, 1, 0),
employed_public = replace_na(employed_public, 0),
employed_public = if_else(is.na(employment), NA_real_, employed_public),
employed_private = if_else(self_employed == 0 & employed_public == 0, 1, 0),
employed_private = replace_na(employed_private, 0),
employed_private = if_else(is.na(employment), NA_real_, employed_private),

religious_attendance_high = recode(religious_attendance, `1` = 1, `2` = 1,
  .default = 0),
religious_attendance_low = recode(religious_attendance, `3` = 1, `4` = 1,
  `5` = 1, .default = 0),
religious_attendance_none = recode(religious_attendance, `6` = 1,
  .default = 0)
)

data96 <- data96 %>%
  group_by(country) %>%
  mutate(relative_income_z = scale(relative_income))

data96 <- mutate(data96, year = 1996)

data96 <- data96 %>%
  dplyr::select(country, year, jobs2, unemployment2, income2, retirement2, housing2,
    healthcare2, age, age_sq, sex, never_married, divorced, widow,
    household_size, household_with_children, rural, suburb, highschool_or_less,
    university, part_time_employed, no_labor, unemployed, self_employed,
    employed_public, relative_income_z, religious_attendance_high,
    religious_attendance_low)

data06 <- read_stata("ZA4700.dta")

data06 <- data06 %>%
  dplyr::select(
    V3, V25, V30, V31, V28, V33, V27, sex, age, marital, degree, urbrural,
    wrkst, wrktype, attend, hompop, hhcycle, AU_INC, CA_INC, CH_INC, CL_INC,
    CZ_INC, DE_INC, DK_INC, DO_INC, ES_INC, FI_INC, FR_INC, GB_INC, HR_INC,
    HU_INC, IE_INC, IL_INC, JP_INC, KR_INC, LV_INC, NL_INC, NO_INC, NZ_INC,
    PH_INC, PL_INC, PT_INC, RU_INC, SE_INC, SI_INC, TW_INC, US_INC, UY_INC,
    VE_INC, ZA_INC)

data06 <- data06 %>%
  unite(col = "relative_income", AU_INC, CA_INC, CH_INC, CL_INC, CZ_INC, DE_INC,
    DK_INC, DO_INC, ES_INC, FI_INC, FR_INC, GB_INC, HR_INC, HU_INC, IE_INC,
    IL_INC, JP_INC, KR_INC, LV_INC, NL_INC, NO_INC, NZ_INC, PH_INC, PL_INC,
    PT_INC, RU_INC, SE_INC, SI_INC, TW_INC, US_INC, UY_INC, VE_INC, ZA_INC) %>%
  mutate(
    relative_income = as.numeric(str_replace_all(relative_income, "NA|_", "")))

data06 <- data06 %>%
  rename(
    country = V3,
    jobs = V25,

```

```

unemployment = V30,
income = V31,
retirement = V28,
housing = V33,
healthcare = V27,
marital_status = marital,
education = degree,
employment = wrkst,
work_type = wrktype,
religious_attendance = attend,
household_size = hompop,
household_cycle = hhcycle,
urban_rural = urbrural
)

data06 <- data06 %>%
  mutate(
    country = recode(country, `36` = "Australia", `124` = "Canada",
      `208` = "Denmark", `246` = "Finland", `250` = "France",
      `276.1` = "Germany", `276.2` = "Germany", `372` = "Ireland",
      `392` = "Japan", `528` = "Netherlands", `554` = "New Zealand",
      `578` = "Norway", `620` = "Portugal", `724` = "Spain", `752` = "Sweden",
      `756` = "Switzerland", `826.1` = "United Kingdom",
      `840` = "United States"))

data06 <- filter(data06, country %in% c("Australia", "Canada",
  "Denmark", "Finland", "France", "Germany", "Ireland",
  "Japan", "Netherlands", "New Zealand", "Norway", "Portugal",
  "Spain", "Sweden", "Switzerland", "United Kingdom", "United States"))

data06 <- data06 %>%
  mutate(
    jobs = 5 - jobs,
    unemployment = 5 - unemployment,
    income = 5 - income,
    retirement = 5 - retirement,
    housing = 5 - housing,
    healthcare = 5 - healthcare
  )

data06 <- data06 %>%
  mutate(
    jobs2 = if_else(jobs > 2, 1, 0),
    unemployment2 = if_else(unemployment > 2, 1, 0),
    income2 = if_else(income > 2, 1, 0),
    retirement2 = if_else(retirement > 2, 1, 0),
    housing2 = if_else(housing > 2, 1, 0),
    healthcare2 = if_else(healthcare > 2, 1, 0)
  )

data06 <- data06 %>%
  mutate(
    age_sq = age^2,

    sex = factor(sex, labels = c("male", "female")),

    never_married = recode(marital_status, `5` = 1, .default = 0),
    married = recode(marital_status, `1` = 1, .default = 0),
    divorced = recode(marital_status, `3` = 1, `4` = 1, .default = 0),
    widow = recode(marital_status, `2` = 1, .default = 0),

    household_with_children = if_else(household_cycle %in% c(2, 3, 4, 6, 7, 8,

```

```

    10, 12, 14, 16, 18, 20, 22, 24, 26, 28), 1, 0),

rural = recode(urban_rural, `3` = 1, .default = 0),
suburb = recode(urban_rural, `2` = 1, .default = 0),

degree = recode(education,
  `1` = "primary or less", `2` = "primary or less", `3` = "primary or less",
  `4` = "some secondary", `5` = "secondary", `6` = "some higher ed",
  `7` = "university or higher"
),
highschool_or_less = recode(degree, "primary or less" = 1,
  "some secondary" = 1, .default = 0),
highschool = recode(degree, "secondary" = 1, "some higher ed" = 1,
  .default = 0),
university = recode(degree, "university or higher" = 1, .default = 0),

full_time_employed = recode(employment, `1` = 1, .default = 0),
part_time_employed = recode(employment, `2` = 1, `3` = 1, `4` = 1,
  .default = 0),
unemployed = recode(employment, `5` = 1, .default = 0),
no_labor = recode(employment, `6` = 1, `7` = 1, `8` = 1, `9` = 1, `10` = 1,
  .default = 0),
self_employed = if_else(work_type == 4, 1, 0),
self_employed = replace_na(self_employed, 0),
self_employed = if_else(is.na(employment), NA_real_, self_employed),
employed_public = if_else(work_type == 1 | work_type == 2, 1, 0),
employed_public = replace_na(employed_public, 0),
employed_public = if_else(is.na(employment), NA_real_, employed_public),
employed_private = if_else(self_employed == 0 & employed_public == 0, 1, 0),
employed_private = replace_na(employed_private, 0),
employed_private = if_else(is.na(employment), NA_real_, employed_private),

religious_attendance_high = recode(religious_attendance, `1` = 1, `2` = 1,
  `3` = 1, .default = 0),
religious_attendance_low = recode(religious_attendance, `4` = 1, `5` = 1,
  `6` = 1, `7` = 1, .default = 0),
religious_attendance_none = recode(religious_attendance, `8` = 1,
  .default = 0)
)

data06 <- data06 %>%
  group_by(country) %>%
  mutate(relative_income_z = scale(relative_income))

data06 <- mutate(data06, year = 2006)

data06 <- data06 %>%
  dplyr::select(country, year, jobs2, unemployment2, income2, retirement2, housing2,
    healthcare2, age, age_sq, sex, never_married, divorced, widow,
    household_size, household_with_children, rural, suburb, highschool_or_less,
    university, part_time_employed, no_labor, unemployed, self_employed,
    employed_public, relative_income_z, religious_attendance_high,
    religious_attendance_low)

data <- bind_rows(data96, data06)

data <- left_join(data, country_data, by = c("country", "year"))

data <- data %>%
  mutate(relative_income_z = as.numeric(relative_income_z))

write_csv(data, "prepared-data.csv", na = "")

```

Team: 11
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

gen year = 1996
gen id = _n // id values from 1 to 35,313 (= number of respondents)
replace id = 100000 + id // 100001 to 135313
sort id
save "issp1996.dta", replace

use "ZA4700.dta", clear
gen year = 2006
gen id = _n
replace id = 200000 + id
sort id
save "issp2006.dta", replace

use "issp1996.dta", clear
merge 1:1 id using "issp2006.dta"

gen country = .
replace country = 1 if v3 == 1 | V3a == 36 // AU-
    Australia
replace country = 2 if v3 == 20 | V3a == 124 //
    CA-Canada
replace country = 3 if v3 == 30 | V3a == 756 //
    CH-Switzerland
replace country = 4 if v3 == 2 | V3a == 276 | v3 == 2
    // DE-Germany
replace country = 5 if v3 == 25 | V3a == 724 //
    ES-Spain
replace country = 6 if v3 == 27 | V3a == 250 //
    FR-France
replace country = 7 if v3 == 4 | V3a == 826 //
    GB-Great Britain
replace country = 8 if v3 == 10 | V3a == 372 //
    IE-Ireland
replace country = 9 if v3 == 24 | V3a == 392 //
    JP-Japan
replace country = 10 if v3 == 12 | V3a == 578 //
    NO-Norway
replace country = 11 if v3 == 19 | V3a == 554 //
    NZ-New Zealand
replace country = 12 if v3 == 13 | V3a == 752 //
    SE-Sweden
replace country = 13 if v3 == 6 | V3a == 840 //
    US-United States
drop if country == .

gen old_age = v39
replace old_age = V28 if old_age == .
recode old_age (2=1) (3 4=0)
tab old_age

gen unemployed = v41
replace unemployed = V30 if unemployed == .
recode unemployed (2=1) (3 4=0)
tab unemployed

gen incdiff = v42
```

```

replace incdiff = V31 if incdiff ==.
recode incdiff (2=1) (3 4=0)
tab incdiff

gen jobs = v36
replace jobs = V25 if jobs ==.
recode jobs (2=1) (3 4=0)
tab jobs

gen female =.
replace female = 0 if v200 == 1 | sex == 1
replace female = 1 if v200 == 2 | sex == 2
tab female, m

replace age = v201 if year == 1996

gen edu1996 = v205 // Education 1996 wave: 1 - Primary or less, 2 - Secondary, 3 -
University or more
recode edu1996 ( 1 2 3 = 1) (4 5 = 2) (6 7 =3)

gen edu2006 = degree // Education 2006 wave: 1- Primary or less, 2 - Secondary, 3 -
University or more
recode edu2006 ( 0 1 = 1) (2 3 = 2) (4 5 =3)

gen edu_prim = edu1996 // Primary education
replace edu_prim = 1 if edu2006 == 1
replace edu_prim = 0 if edu2006 == 2 | edu2006 == 3 | edu1996 == 2 | edu1996 == 3

gen edu_sec = edu1996 // Secondary education
replace edu_sec = 0 if edu2006 == 1 | edu2006 == 3 | edu1996 == 1 | edu1996 == 3
replace edu_sec = 1 if edu2006 == 2 | edu1996 == 2

gen edu_uni = edu1996 // University or more
replace edu_uni = 0 if edu2006 == 1 | edu2006 == 2 | edu1996 == 1 | edu1996 == 2
replace edu_uni = 1 if edu2006 == 3 | edu1996 == 3

gen empl= v206
replace empl = wrkst if empl ==.
recode empl(1=1) ( 2 3 = 2) (4 6 8 =3) (5 7 9 10 = 4)

gen full_time = empl // Full-time employed
recode full_time (2 3 4 = 0)
tab full_time

gen part_time = empl // Part-time employed
recode part_time (1 3 4 = 0) (2 =1)
tab part_time

gen act_unempl = empl // Active unemployed
recode act_unempl (1 2 4 = 0) (3 =1)
tab act_unempl

gen not_active= empl // Not active
recode not_active (1 2 3 = 0) (4 =1)
tab not_active

drop if age==.
drop if female ==.
drop if edu_prim ==.
drop if empl==.

gen immstock =.
replace immstock = 21.29999924 if country ==1 & year == 1996

```

```

replace immstock = 17.20000076 if country == 2 & year == 1996
replace immstock = 20.89999962 if country == 3 & year == 1996
replace immstock = 11.00000000 if country == 4 & year == 1996
replace immstock = 2.59999990 if country == 5 & year == 1996
replace immstock = 10.50000000 if country == 6 & year == 1996
replace immstock = 7.19999981 if country == 7 & year == 1996
replace immstock = 7.30000019 if country == 8 & year == 1996
replace immstock = 1.08599997 if country == 9 & year == 1996
replace immstock = 5.40000010 if country == 10 & year == 1996
replace immstock = 16.20000076 if country == 11 & year == 1996
replace immstock = 10.30000019 if country == 12 & year == 1996
replace immstock = 10.69999981 if country == 13 & year == 1996

replace immstock = 21.29999924 if country == 1 & year == 2006
replace immstock = 19.50000000 if country == 2 & year == 2006
replace immstock = 22.29999924 if country == 3 & year == 2006
replace immstock = 12.89999962 if country == 4 & year == 2006
replace immstock = 10.60000038 if country == 5 & year == 2006
replace immstock = 10.60000038 if country == 6 & year == 2006
replace immstock = 9.69999981 if country == 7 & year == 2006
replace immstock = 14.80000019 if country == 8 & year == 2006
replace immstock = 1.56400001 if country == 9 & year == 2006
replace immstock = 8.00000000 if country == 10 & year == 2006
replace immstock = 20.70000076 if country == 11 & year == 2006
replace immstock = 12.30000019 if country == 12 & year == 2006
replace immstock = 13.30000019 if country == 13 & year == 2006

gen ch_immstock=.
replace ch_immstock = 1.29490924 if country == 1 & year == 1996
replace ch_immstock = 2.18959260 if country == 2 & year == 1996
replace ch_immstock = 3.22248268 if country == 3 & year == 1996
replace ch_immstock = 3.24450660 if country == 4 & year == 1996
replace ch_immstock = 0.82168734 if country == 5 & year == 1996
replace ch_immstock = 0.41396859 if country == 6 & year == 1996
replace ch_immstock = 0.28843811 if country == 7 & year == 1996
replace ch_immstock = -0.03458165 if country == 8 & year == 1996
replace ch_immstock = 0.37720755 if country == 9 & year == 1996
replace ch_immstock = 0.97341746 if country == 10 & year == 1996
replace ch_immstock = 3.88337779 if country == 11 & year == 1996
replace ch_immstock = 1.70722461 if country == 12 & year == 1996
replace ch_immstock = 2.46555519 if country == 13 & year == 1996

replace ch_immstock = 3.14409065 if country == 1 & year == 2006
replace ch_immstock = 3.33456159 if country == 2 & year == 2006
replace ch_immstock = 2.69005394 if country == 3 & year == 2006
replace ch_immstock = 1.12776864 if country == 4 & year == 2006
replace ch_immstock = 5.76934290 if country == 5 & year == 2006
replace ch_immstock = 1.24947679 if country == 6 & year == 2006
replace ch_immstock = 1.57342863 if country == 7 & year == 2006
replace ch_immstock = 5.52292585 if country == 8 & year == 2006
replace ch_immstock = 0.06418485 if country == 9 & year == 2006
replace ch_immstock = 1.82521141 if country == 10 & year == 2006
replace ch_immstock = 2.48007941 if country == 11 & year == 2006
replace ch_immstock = 2.06375408 if country == 12 & year == 2006
replace ch_immstock = 1.91910112 if country == 13 & year == 2006

gen empl_rate =.
replace empl_rate = 72.97335815 if country == 1 & year == 2006
replace empl_rate = 72.69680023 if country == 2 & year == 2006
replace empl_rate = 84.54134369 if country == 3 & year == 2006
replace empl_rate = 67.40676117 if country == 4 & year == 2006
replace empl_rate = 64.84596252 if country == 5 & year == 2006
replace empl_rate = 61.84713745 if country == 6 & year == 2006

```

```

replace empl_rate = 70.22309875 if country == 7 & year == 2006
replace empl_rate = 69.33929443 if country == 8 & year == 2006
replace empl_rate = 76.22027588 if country == 9 & year == 2006
replace empl_rate = 76.38436127 if country == 10 & year == 2006
replace empl_rate = 76.01436615 if country == 11 & year == 2006
replace empl_rate = 72.93346405 if country == 12 & year == 2006
replace empl_rate = 71.92974091 if country == 13 & year == 2006

replace empl_rate = 68.38307953 if country == 1 & year == 1996
replace empl_rate = 66.95101166 if country == 2 & year == 1996
replace empl_rate = 82.60142517 if country == 3 & year == 1996
replace empl_rate = 64.15186310 if country == 4 & year == 1996
replace empl_rate = 47.57519531 if country == 5 & year == 1996
replace empl_rate = 58.16967773 if country == 6 & year == 1996
replace empl_rate = 68.31567383 if country == 7 & year == 1996
replace empl_rate = 56.05609894 if country == 8 & year == 1996
replace empl_rate = 74.41401672 if country == 9 & year == 1996
replace empl_rate = 74.37256622 if country == 10 & year == 1996
replace empl_rate = 71.75603485 if country == 11 & year == 1996
replace empl_rate = 70.34078979 if country == 12 & year == 1996
replace empl_rate = 71.77012634 if country == 13 & year == 1996

gen soc_wel=.
replace soc_wel = 17.10000038 if country == 1 & year == 2006
replace soc_wel = 16.39999962 if country == 2 & year == 2006
replace soc_wel = 20.20000076 if country == 3 & year == 2006
replace soc_wel = 26.70000076 if country == 4 & year == 2006
replace soc_wel = 21.20000076 if country == 5 & year == 2006
replace soc_wel = 29.10000038 if country == 6 & year == 2006
replace soc_wel = 21.20000076 if country == 7 & year == 2006
replace soc_wel = 16.70000076 if country == 8 & year == 2006
replace soc_wel = 18.50000000 if country == 9 & year == 2006
replace soc_wel = 21.60000038 if country == 10 & year == 2006
replace soc_wel = 18.50000000 if country == 11 & year == 2006
replace soc_wel = 29.39999962 if country == 12 & year == 2006
replace soc_wel = 15.89999962 if country == 13 & year == 2006

replace soc_wel = 16.60000038 if country == 1 & year == 1996
replace soc_wel = 18.00000000 if country == 2 & year == 1996
replace soc_wel = 18.00000000 if country == 3 & year == 1996
replace soc_wel = 27.00000000 if country == 4 & year == 1996
replace soc_wel = 21.29999924 if country == 5 & year == 1996
replace soc_wel = 28.79999924 if country == 6 & year == 1996
replace soc_wel = 19.89999962 if country == 7 & year == 1996
replace soc_wel = 14.69999981 if country == 8 & year == 1996
replace soc_wel = 14.50000000 if country == 9 & year == 1996
replace soc_wel = 22.50000000 if country == 10 & year == 1996
replace soc_wel = 18.89999962 if country == 11 & year == 1996
replace soc_wel = 31.60000038 if country == 12 & year == 1996
replace soc_wel = 15.10000038 if country == 13 & year == 1996

su old_age unemployed incdiff jobs
su age age2 female edu_prim edu_sec edu_uni full_time part_time act_unempl not_active
su immstock ch_immstock empl_rate soc_wel

xi i.country i.year

global controls "female age age2 edu_prim edu_uni part_time act_unempl not_active"

logit old_age immstock $controls i.country i.year, or
logit unemployed immstock $controls i.country i.year, or
logit incdiff immstock $controls i.country i.year, or
logit jobs immstock $controls i.country i.year, or

```

```
logit old_age immstock soc_wel $controls i.country i.year, or
logit unemployed immstock soc_wel $controls i.country i.year, or
logit incdiff immstock soc_wel $controls i.country i.year, or
logit jobs immstock soc_wel $controls i.country i.year, or

logit old_age immstock empl_rate $controls i.country i.year, or
logit unemployed immstock empl_rate $controls i.country i.year, or
logit incdiff immstock empl_rate $controls i.country i.year, or
logit jobs immstock empl_rate $controls i.country i.year, or

logit old_age ch_immstock $controls i.country i.year, or
logit unemployed ch_immstock $controls i.country i.year, or
logit incdiff ch_immstock $controls i.country i.year, or
logit jobs ch_immstock $controls i.country i.year, or

logit old_age ch_immstock soc_wel $controls i.country i.year, or
logit unemployed ch_immstock soc_wel $controls i.country i.year, or
logit incdiff ch_immstock soc_wel $controls i.country i.year, or
logit jobs ch_immstock soc_wel $controls i.country i.year, or

logit old_age ch_immstock empl_rate $controls i.country i.year, or
logit unemployed ch_immstock empl_rate $controls i.country i.year, or
logit incdiff ch_immstock empl_rate $controls i.country i.year, or
logit jobs ch_immstock empl_rate $controls i.country i.year, or
```


Team: 12
Software: R
Version: ORIGINAL

```
remove.packages('dplyr')

ipak <- function(pkg){
  new.pkg <- pkg[!(pkg %in% installed.packages()[, "Package"])]
  if (length(new.pkg))
    install.packages(new.pkg, dependencies = TRUE)
  sapply(pkg, require, character.only = TRUE)
}
packages <- c('openxlsx', 'lme4', 'car')

ipak(packages)

l2 <- read.xlsx('L2data.xlsx', sheet = 1, startRow = 1, colNames = TRUE)

l196 <- read.xlsx('za2900.xlsx', sheet = 1, startRow = 1, colNames = TRUE)

l106 <- read.xlsx('za4700.xlsx', sheet = 1, startRow = 1, colNames = TRUE)

l196$Female <- l196$V200 - 1
l106$Female <- l106$Sex - 1

names(l196)[names(l196) == "V201"] <- "Age"

l196$Age2 <- l196$Age*l196$Age
l106$Age2 <- l106$Age*l106$Age

l196$EduP <- car::recode(l196$V205, "1:4 = 1; 5:7 = 0")
l106$EduP <- car::recode(l106$Degree, "0:2 = 1; 3:5 = 0")

l196$EduU <- car::recode(l196$V205, "1:6 = 0; 7 = 1")
l106$EduU <- car::recode(l106$Degree, "0:4 = 0; 5 = 1")

l196$WrkstPt <- car::recode(l196$V206, "1 = 0; 2:3 = 1; 4:10 = 0")
l106$WrkstPt <- car::recode(l106$Wrkst, "1 = 0; 2:3 = 1; 4:10 = 0")

l196$WrkstNa <- car::recode(l196$V206, "1:3 = 0; 4 = 1; 5 = 0; 6:10 = 1")
l106$WrkstNa <- car::recode(l106$Wrkst, "1:3 = 0; 4 = 1; 5 = 0; 6:10 = 1")

l196$WrkstAu <- car::recode(l196$V206, "1:4 = 0; 5 = 1; 6:10 = 0")
l106$WrkstAu <- car::recode(l106$Wrkst, "1:4 = 0; 5 = 1; 6:10 = 0")

l196$Old <- car::recode(l196$V39, "1:2 = 1; 3:4 = 0")
l106$Old <- car::recode(l106$V28, "1:2 = 1; 3:4 = 0")

l196$Unemp <- car::recode(l196$V41, "1:2 = 1; 3:4 = 0")
l106$Unemp <- car::recode(l106$V30, "1:2 = 1; 3:4 = 0")

l196$Inc <- car::recode(l196$V42, "1:2 = 1; 3:4 = 0")
l106$Inc <- car::recode(l106$V31, "1:2 = 1; 3:4 = 0")

l196$Jobs <- car::recode(l196$V36, "1:2 = 1; 3:4 = 0")
l106$Jobs <- car::recode(l106$V25, "1:2 = 1; 3:4 = 0")

l196$Country <- car::recode(l196$V3, "1 = 36; 2 = 276; 3 = 276; 4 = 826;
      5 = 826; 6 = 840; 7 = 40; 8 = 348; 9 = 380;
      10 = 372; 11 = 528; 12 = 578; 13 = 752;
      14 = 203; 15 = 705; 16 = 616; 17 = 100;
      18 = 643; 19 = 554; 20 = 124; 21 = 608;
```

```

                22 = 376; 23 = 376; 24 = 392; 25 = 724;
                26 = 428; 27 = 250; 28 = 196; 30 = 756")
names(l106)[names(l106) == "V3a"] <- "Country"

names(l196)[names(l196) == "V1"] <- "Wave"
names(l106)[names(l106) == "V1"] <- "Wave"

l196$Wave <- car::recode(l196$Wave, "2900 = 1996")
l106$Wave <- car::recode(l106$Wave, "4700 = 2006")

l106$ID <- as.numeric(paste(l106$Wave, l106$V2, l106$Country, sep = ""))
l196$ID <- as.numeric(paste(l196$Wave, l196$V2, l196$Country, sep = ""))

install.packages('dplyr')
library('dplyr')

l196s <- select(l196, Wave, ID, Country, Old, Unemp, Inc, Jobs,
               Female, Age, Age2, EduP, EduU,
               WrkstPt, WrkstNa, WrkstAu)
l106s <- select(l106, Wave, ID, Country, Old, Unemp, Inc, Jobs,
               Female, Age, Age2, EduP, EduU,
               WrkstPt, WrkstNa, WrkstAu)

l1p <- rbind(l196s, l106s)

names(l2)[names(l2) == "cntry"] <- "Country"
names(l2)[names(l2) == "year"] <- "Wave"

l12 <- merge(l1p, l2, by = c("Country", "Wave"))

l12$Wave <- factor(l12$Wave, levels = c(1996, 2006), labels = c("1996", "2006"))

l12s13 <- subset(l12,
                Country == 250 | Country == 246 | Country == 208 | Country == 752 |
                Country == 276 | Country == 578 |
                Country == 724 | Country == 620 | Country == 528 | Country == 826 |
                Country == 756 |
                Country == 554)
m1b <- glm(Old ~ foreignpct +
          Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
          Wave + country,
          family = binomial (link = 'logit'), data = l12s13)
summary(m1b)
exp(coef(m1b))

m2b <- glm(Unemp ~ foreignpct +
          Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
          Wave + country,
          family = binomial (link = 'logit'), data = l12s13)
summary(m2b)
exp(coef(m2b))

m3b <- glm(Inc ~ foreignpct +
          Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
          Wave + country,
          family = binomial (link = 'logit'), data = l12s13)
summary(m3b)
exp(coef(m3b))

m4b <- glm(Jobs ~ foreignpct +
          Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
          Wave + country,

```

```

        family = binomial (link = 'logit'), data = l12s13)
summary(m4b)
exp(coef(m4b))

m5b <- glm(Old ~ foreignpct + socx +
           Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
           Wave + country,
           family = binomial (link = 'logit'), data = l12s13)
summary(m5b)
exp(coef(m5b))

m6b <- glm(Unemp ~ foreignpct + socx +
           Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
           Wave + country,
           family = binomial (link = 'logit'), data = l12s13)
summary(m6b)
exp(coef(m6b))

m7b <- glm(Inc ~ foreignpct + socx +
           Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
           Wave + country,
           family = binomial (link = 'logit'), data = l12s13)
summary(m7b)
exp(coef(m7b))

m8b <- glm(Jobs ~ foreignpct + socx +
           Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
           Wave + country,
           family = binomial (link = 'logit'), data = l12s13)
summary(m8b)
exp(coef(m8b))

m9b <- glm(Old ~ foreignpct + emprate +
           Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
           Wave + country,
           family = binomial (link = 'logit'), data = l12s13)
summary(m9b)
exp(coef(m9b))

m10b <- glm(Unemp ~ foreignpct + emprate +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m10b)
exp(coef(m10b))

m11b <- glm(Inc ~ foreignpct + emprate +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m11b)
exp(coef(m11b))

m12b <- glm(Jobs ~ foreignpct + emprate +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m12b)
exp(coef(m12b))

m13b <- glm(Old ~ netmigpct +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,

```

```

        family = binomial (link = 'logit'), data = l12s13)
summary(m13b)
exp(coef(m13b))

m14b <- glm(Unemp ~ netmigpct +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m14b)
exp(coef(m14b))

m15b <- glm(Inc ~ netmigpct +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m15b)
exp(coef(m15b))

m16b <- glm(Jobs ~ netmigpct +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m16b)
exp(coef(m16b))

m17b <- glm(Old ~ netmigpct + socx +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m17b)
exp(coef(m17b))

m18b <- glm(Unemp ~ netmigpct + socx +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m18b)
exp(coef(m18b))

m19b <- glm(Inc ~ netmigpct + socx +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m19b)
exp(coef(m19b))

m20b <- glm(Jobs ~ netmigpct + socx +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m20b)
exp(coef(m20b))

m21b <- glm(Old ~ netmigpct + emprate +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m21b)
exp(coef(m21b))

m22b <- glm(Unemp ~ netmigpct + emprate +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,

```

```
family = binomial (link = 'logit'), data = l12s13)
summary(m22b)
exp(coef(m22b))

m23b <- glm(Inc ~ netmigpct + emprate +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m23b)
exp(coef(m23b))

m24b <- glm(Jobs ~ netmigpct + emprate +
            Female + Age + Age2 + EduP + EduU + WrkstPt + WrkstNa + WrkstAu +
            Wave + country,
            family = binomial (link = 'logit'), data = l12s13)
summary(m24b)
exp(coef(m24b))
```

Team: 13
Software: Stata
Version: ORIGINAL

```
set more off
clear
use "ZA2900.dta", clear

numlabel, add

gen OldAgeCare = v39
gen Unemployed = v41
gen RedIncDiff = v42
gen Jobs = v36
rename v200 sex
rename v201 age
gen educ1 = v205
gen educ2 = v205
gen employment= v206
gen cntry= .
rename v2 id
gen year=1996

recode OldAgeCare (1 2=1) (3 4 =0)
recode Unemployed (1 2=1) (3 4 =0)
recode RedIncDiff (1 2=1) (3 4 =0)
recode Jobs (1 2=1) (3 4 =0)

tab v39 OldAgeCare, miss
tab v41 Unemployed, miss
tab v42 RedIncDiff, miss
tab v36 Jobs, miss

recode educ1 (1/3=1) (4/5=2) (6/7=3)
recode educ2 (1/4=1) (5/6=2) (7=3)

lab def educ 1 "Primary" 2 "Secondary" 3 "University"
lab val educ1 educ
lab val educ2 educ

tab v205 educ1, miss
tab v205 educ2, miss

recode employment (2/4=2) (5=3) (6/10=4)
lab def employment 1 "Full time" 2 "Part time" 3 "Unemployed" 4 "not active"
lab val employment employment
tab v206 employment, miss

replace cntry = 36 if v3 ==1
replace cntry = 124 if v3 ==20
replace cntry = 203 if v3 ==14
replace cntry = 250 if v3 ==27
replace cntry = 276 if v3 ==2 | v3==3
replace cntry = 348 if v3 ==8
replace cntry = 372 if v3 ==10
replace cntry = 376 if v3 ==22 | v3==23
replace cntry = 392 if v3 ==24
replace cntry = 428 if v3 ==26
replace cntry = 528 if v3 ==11
replace cntry = 554 if v3 ==19
replace cntry = 578 if v3 ==12
replace cntry = 616 if v3 ==16
```

```

replace cntry = 643 if v3 ==18
replace cntry = 705 if v3 ==15
replace cntry = 724 if v3 ==25
replace cntry = 752 if v3 ==13
replace cntry = 756 if v3 ==30
replace cntry = 826 if v3 ==4
replace cntry = 840 if v3 ==6

keep cntry id year OldAgeCare Unemployed RedIncDiff Jobs sex age educ1 educ2
    employment
order cntry id year OldAgeCare Unemployed RedIncDiff Jobs sex age educ1 educ2
    employment

sort cntry id
save "ISSP96r", replace

use "ZA4700.dta", clear

numlabel, add

tab1 V28 V30 V31 V25
tab1 sex age degree wrkst
tab1 V1 V3 V3a

gen OldAgeCare = V28
gen Unemployed = V30
gen RedIncDiff = V31
gen Jobs = V25

gen educ1 = degree
gen educ2 = degree
gen employment= wrkst
gen cntry = V3a
gen year = 2006

sort cntry
gen id = _n /* id not really needed ... should be sufficient */

recode OldAgeCare (1 2=1) (3 4 =0)
recode Unemployed (1 2=1) (3 4 =0)
recode RedIncDiff (1 2=1) (3 4 =0)
recode Jobs (1 2=1) (3 4 =0)

tab V28 OldAgeCare, miss
tab V30 Unemployed, miss
tab V31 RedIncDiff, miss
tab V25 Jobs, miss

recode educ1 (0/1=1) (2/3=2) (4/5=3)
recode educ2 (0/2=1) (3/4=2) (5=3)

lab def educ 1 "Primary" 2 "Secondary" 3 "University"
lab val educ1 educ
lab val educ2 educ

tab degree educ1, miss
tab degree educ2, miss

recode employment (2/4=2) (5=3) (6/10=4)
lab def employment 1 "Full time" 2 "Part time" 3 "Unemployed" 4 "not actice"
lab val employment employment
tab wrkst employment, miss

```

```

keep cntry id year OldAgeCare Unemployed RedIncDiff Jobs sex age educ1 educ2
    employment
order cntry id year OldAgeCare Unemployed RedIncDiff Jobs sex age educ1 educ2
    employment

sort cntry id
save "ISSP2006r", replace

use "ISSP96r", clear
append using "ISSP2006r"

merge m:1 cntry year using "L2data.dta"

tab country year if socx!= . & foreignpct != . & netmigpct != . & emprate != .

keep if country == "Australia" | country == "Canada" | country == "France" | country
    == "Germany" | country == "Ireland" | country == "Japan" ///
    | country == "New Zealand" | country == "Norway" | country == "Spain" | country ==
    "Sweden" | country == "Switzerland" | country == "United Kingdom" | country ==
    "United States"

table cntry year, c(n emprate n socx n foreignpct n netmigpct)

save "ISSPgr", replace

set more off
clear

use "ISSPgr.dta", clear

gen age2= age*age

global depvar OldAgeCare Unemployed RedIncDiff Jobs
global indepvar1 i.sex age age2 ib2.educ1 i.employment
global indepvar2 i.sex age age2 ib2.educ2 i.employment
global L2    foreignpct netmigpct    emprate socx

logistic OldAgeCare foreignpct $indepvar1 i.year i.cntry
estimates store m1
logistic Unemployed foreignpct $indepvar1 i.year i.cntry
estimates store m2
logistic RedIncDiff foreignpct $indepvar1 i.year i.cntry
estimates store m3
logistic Jobs foreignpct $indepvar1 i.year i.cntry
estimates store m4

logistic OldAgeCare foreignpct socx $indepvar1 i.year i.cntry
estimates store m5
logistic Unemployed foreignpct socx $indepvar1 i.year i.cntry
estimates store m6
logistic RedIncDiff foreignpct socx $indepvar1 i.year i.cntry
estimates store m7
logistic Jobs foreignpct socx $indepvar1 i.year i.cntry
estimates store m8

logistic OldAgeCare foreignpct emprate $indepvar1 i.year i.cntry
estimates store m9
logistic Unemployed foreignpct emprate $indepvar1 i.year i.cntry
estimates store m10
logistic RedIncDiff foreignpct emprate $indepvar1 i.year i.cntry
estimates store m11

```



```
logistic Jobs foreignpct emprate $indepvar1 i.year i.cntry
estimates store m12
```

```
logistic OldAgeCare netmigpct $indepvar1 i.year i.cntry
estimates store m13
logistic Unemployed netmigpct $indepvar1 i.year i.cntry
estimates store m14
logistic RedIncDiff netmigpct $indepvar1 i.year i.cntry
estimates store m15
logistic Jobs netmigpct $indepvar1 i.year i.cntry
estimates store m16
```

```
logistic OldAgeCare netmigpct socx $indepvar1 i.year i.cntry
estimates store m17
logistic Unemployed netmigpct socx $indepvar1 i.year i.cntry
estimates store m18
logistic RedIncDiff netmigpct socx $indepvar1 i.year i.cntry
estimates store m19
logistic Jobs netmigpct socx $indepvar1 i.year i.cntry
estimates store m20
```

```
logistic OldAgeCare netmigpct emprate $indepvar1 i.year i.cntry
estimates store m21
logistic Unemployed netmigpct emprate $indepvar1 i.year i.cntry
estimates store m22
logistic RedIncDiff netmigpct emprate $indepvar1 i.year i.cntry
estimates store m23
logistic Jobs netmigpct emprate $indepvar1 i.year i.cntry
estimates store m24
```

```
esttab m1 m2 m3 m4 using "$output\P1", replace r2 rtf compress eform
esttab m5 m6 m7 m8 using "$output\P2", replace r2 rtf compress eform
esttab m9 m10 m11 m12 using "$output\P3", replace r2 rtf compress eform
esttab m13 m14 m15 m16 using "$output\P4", replace r2 rtf compress eform
esttab m17 m18 m19 m20 using "$output\P5", replace r2 rtf compress eform
esttab m21 m22 m23 m24 using "$output\P6", replace r2 rtf compress eform
```

Team: 14
Software: R
Version: ORIGINAL

```
library(dplyr)
library(haven)
library(readxl)
library(foreign)
library(texreg)

issp1996 <- read_dta("ZA2900.dta")
issp2006 <- read_dta("ZA4700.dta")
l2 <- read.csv("L2data.csv")
l2$country %>% unique()

issp1996_red <- issp1996 %>%
  dplyr::select(old_age_care = v39,
                unemployed = v41,
                reduce_income_diff = v42,
                jobs = v36,
                sex = v200,
                age = v201,
                education = v205,
                employment = v206,
                country = v3) %>%
  mutate_all(as_factor) %>%
  mutate(year = 1996,
         old_age_care = case_when(
           old_age_care %in% c("Definitely should", "Probably should") ~ 1,
           old_age_care %in% c("Definitely not", "Probably not") ~ 0,
           is.na(old_age_care) ~ NA_real_),
         unemployed = case_when(
           unemployed %in% c("Definitely should", "Probably should") ~ 1,
           unemployed %in% c("Definitely not", "Probably not") ~ 0,
           is.na(unemployed) ~ NA_real_),
         reduce_income_diff = case_when(
           reduce_income_diff %in% c("Definitely should", "Probably should") ~ 1,
           reduce_income_diff %in% c("Definitely not", "Probably not") ~ 0,
           is.na(reduce_income_diff) ~ NA_real_),
         jobs = case_when(
           jobs %in% c("Definitely should", "Probably should") ~ 1,
           jobs %in% c("Definitely not", "Probably not") ~ 0,
           is.na(jobs) ~ NA_real_),
         sex = as.integer(recode_factor(sex, `1` = "Male", `2` = "Female")) - 1,
         age = as.integer(substr(age, 1, 2)),
         education = case_when(
           # "incomplete secondary" is coded as primary or less,
           # R still at school is coded NA
           education %in% c("Incpl primary",
                           "Incpl secondary",
                           "Primary compl") ~ "Primary or less",
           education %in% c("Secondary compl",
                           "Semi-higher, Incpl uni.") ~ "Secondary",
           education %in% "University compl" ~ "University or more",
           is.na(education) | education %in% "None;still at school,uni" ~
NA_character_),
         education = factor(education, levels = unique(education)[c(3, 1, 2)]),
         employment = case_when(
           employment %in% "F-time empl,main job" ~ "Full-time",
           employment %in% c("Help family member", "Housewife <man>",
                             "Oth,n i lab force", "Permanent disabled",
                             "Retired", "Studt,school,educ") ~ "Not active",
```

```

    employment %in% c("Less part-time", "P-t empl,main job") ~ "Part-time",
    employment %in% "Unemployed" ~ "Active unemployed",
    is.na(employment) ~ NA_character_),
employment = factor(employment, levels = unique(employment)[c(3, 1, 2, 5)]),
country = case_when(
  country == "aus" ~ "Australia",
  country == "bg" ~ "Bulgaria",
  country == "cdn" ~ "Canada",
  country == "ch" ~ "Switzerland",
  country == "cy" ~ "Cyprus",
  country == "cz" ~ "Czech Republic",
  country %in% c("D-E", "D-W") ~ "Germany",
  country == "e" ~ "Spain",
  country == "f" ~ "France",
  country == "gb" ~ "United Kingdom",
  country == "h" ~ "Hungary",
  country == "i" ~ "Italy",
  country %in% c("IL-A", "IL-J") ~ "Israel",
  country == "irl" ~ "Ireland",
  country == "j" ~ "Japan",
  country == "lv" ~ "Latvia",
  country == "n" ~ "Norway",
  country == "nz" ~ "New Zealand",
  country == "pl" ~ "Poland",
  country == "rp" ~ "Philippines",
  country == "rus" ~ "Russia",
  country == "s" ~ "Sweden",
  country == "slo" ~ "Slovenia",
  country == "usa" ~ "United States"))

issp1996_red$employment %>% unique()
issp1996_red$education %>% unique()
issp1996_red$country %>% unique()

issp2006_red <- issp2006 %>%
  dplyr::select(old_age_care = V28,
    unemployed = V30,
    reduce_income_diff = V31,
    jobs = V25,
    sex,
    age,
    education = degree,
    employment = wrkst,
    country = V3a) %>%
mutate_all(as_factor) %>%
mutate(year = 2006,
  old_age_care = case_when(
    old_age_care %in% c("Definitely should be", "Probably should be") ~ 1,
    old_age_care %in% c("Definitely should not be", "Probably should not be") ~
0,
    is.na(old_age_care) ~ NA_real_),
  unemployed = case_when(
    unemployed %in% c("Definitely should be", "Probably should be") ~ 1,
    unemployed %in% c("Definitely should not be", "Probably should not be") ~
0,
    is.na(unemployed) ~ NA_real_),
  reduce_income_diff = case_when(
    reduce_income_diff %in% c("Definitely should be", "Probably should be") ~
1,
    reduce_income_diff %in% c("Definitely should not be", "Probably should not
be") ~ 0,
    is.na(reduce_income_diff) ~ NA_real_),
  jobs = case_when(

```

```

    jobs %in% c("Definitely should be", "Probably should be") ~ 1,
    jobs %in% c("Definitely should not be", "Probably should not be") ~ 0,
    is.na(jobs) ~ NA_real_),
sex = as.integer(recode_factor(sex, `1` = "Male", `2` = "Female")) - 1,
age = as.integer(substr(age, 1, 2)),
education = case_when(
  education %in% c("Above higher secondary level, other qualification",
    "Above lowest qualification",
    "Higher secondary completed") ~ "Secondary",
  education %in% c("Lowest formal qualification",
    "No formal qualification, incomplete primary") ~ "Primary
or less",
  education %in% "University degree completed, graduate studies" ~
"University or more",
  is.na(education) ~ NA_character_),
education = factor(education, levels = unique(education)[c(2, 1, 3)]),
employment = case_when(
  employment %in% c("Employed, full-time, main job") ~ "Full-time",
  employment %in% c("Employed, less than part-time",
    "Employed, part-time, main job") ~ "Part-time",
  employment %in% c("Helping family member",
    "Housewife, -man, home duties",
    "Other, not in labour force",
    "Permanently disabled",
    "Retired",
    "Student, school, vocational training") ~ "Not active",
  employment %in% "Unemployed" ~ "Active unemployed",
  is.na(employment) ~ NA_character_),
employment = factor(employment, levels = unique(employment)[c(3, 2, 1, 5)]),
country = substr(country, 4, 20),
country = ifelse(country == "Great Britain", "United Kingdom", country))

issp2006_red$education %>% unique()
issp2006_red$employment %>% unique()
issp2006_red$country %>% unique()

issp <- rbind(issp1996_red, issp2006_red) %>%
  mutate(age_sq = age^2) %>%
  dplyr::select(year, country, female = sex, age, age_sq, education, employment,
    old_age_care, unemployed, reduce_income_diff, jobs)

cri_data <- merge(issp, l2, by = c("country", "year"), all.x = TRUE) %>%
  mutate(country = factor(country),
    year = factor(year))

country_year <- table(cri_data$country, cri_data$year)
class(country_year) <- "matrix"
country_year <- as.data.frame(country_year) %>%
  mutate(country = row.names(.)) %>%
  dplyr::select(3, 1, 2)
keep_countries <- country_year %>% filter(`1996` > 0 & `2006` > 0)

cri_data <- cri_data %>%
  filter(country %in% keep_countries$country) %>%
  model.frame("~ .", .)
cri_data$country %>% unique()

cri_data %>%
  group_by(year, country) %>%
  dplyr::select(-employment, -education) %>%
  summarise_all(mean, na.rm = TRUE) %>%
  arrange(country) %>%
  View()

```

```

names(cri_data)
dv <- c("old_age_care", "unemployed", "reduce_income_diff", "jobs")
iv <- c("foreignpct", "foreignpct + socx",
       "foreignpct + emprate", "netmigpct",
       "netmigpct + socx", "emprate + netmigpct")
f0 <- formula(~ female + age + age_sq + education + employment + country + year)

model_list <- vector(mode = "list", length = 6)
for (i in seq_along(iv)) {
  f <- update(f0, paste0("~ ", iv[i], " + ."))
  sublist <- vector(mode = "list", length = 4)
  for (j in seq_along(dv)) {
    sublist[[j]] <- update(f, paste0(dv[j], " ~ ."))
  }
  model_list[[i]] <- sublist
}
model_list <- unlist(model_list)

# run models
models <- vector(mode = "list", length = 24)
for (i in seq_along(model_list)) {
  print(model_list[[i]])
  models[[i]] <- glm(model_list[[i]], family = binomial(link = "logit"), data =
    cri_data)
}

summary(models[[1]])

coef_names <- names(coef(models[[1]]))
coef_names[grepl(coef_names, pattern = "country") == FALSE]
coefs <- list("foreignpct" = "Immigrant Stock %",
             "socx" = "Social Welfare Expenditures (% of GDP)",
             "emprate" = "Employment Rate (% in LF)",
             "netmigpct" = "Change in Immigrant Stock (1-year, in %)",
             "age" = "Age",
             "age_sq" = "Age squared",
             "female" = "Female",
             "educationPrimary or less" = "Primary or less (ref.: Secondary)",
             "educationUniversity or more" = "University or more",
             "employmentNot active" = "Not active (ref.: Full-time)",
             "employmentPart-time" = "Part-time",
             "employmentActive unemployed" = "Active unemployed",
             "(Intercept)" = "Constant")

htmlreg(models,
  override.coef = lapply(models, function(x) exp(coef(x))),
  override.se = lapply(models, function(x) coef(x)/sqrt(diag(vcov(x)))),
  custom.coef.map = coefs,
  custom.model.names =
    paste0("(", 1:24, ") ", rep(c("Old age care",
                                "Unemployment",
                                "Reduce income differences",
                                "Jobs for everyone"), 6)),
  groups = list("Country-level variables" = 1:4,
                "Individual-level variables" = 5:12),
  caption.above = TRUE,
  file = "table.html")

```

```
htmlreg(models,
  custom.model.names =
    paste0("(", 1:24, ") ", rep(c("Old age care",
                                   "Unemployment",
                                   "Reduce income differences",
                                   "Jobs for everyone"), 6)),
  groups = list("Country-level variables" = 1:4,
                "Individual-level variables" = 5:12),
  caption.above = TRUE,
  file = "table_2.html")
```

Team: 15
Software: Stata
Version: ORIGINAL

```
clear
use "ZA2900.dta"
numlabel _all, add

//Country selection

tab v3
recode v3 (1=36) (20=124) (27=250) (2/3=276) (10=372) (24=392) (19=554) (12=578)
(25=724) (13=752) ///
(30=756) (4=826) (6=840) (8/9=.) (14/18=.) (21/23=.) (26=.) (28=.), gen(cntry)
label define cntry 36 "Australia" 124 "Canada" 250 "France" 276 "Germany" 372
"Ireland" ///
392 "Japan" 554 "New Zealand" 578 "Norway" 724 "Spain" 752 "Sweden" 756 "Switzerland"
///
826 "UK" 840 "USA"
label values cntry cntry

rename v36 jobs
recode jobs (1/2=1) (3/4=0), gen(djobs)

rename v38 health
recode health (1/2=1) (3/4=0), gen(dhealth)

rename v39 retirement
recode retirement (1/2=1) (3/4=0), gen(dretirement)

rename v41 unemp
recode unemp (1/2=1) (3/4=0), gen(dunemp)

rename v42 income
recode income (1/2=1) (3/4=0), gen(dincome)

rename v44 housing
recode housing (1/2=1) (3/4=0), gen(dhousing)
tab dhousing housing, m

label define dav 1 "should be" 0 "should not be"
label values djobs-dhousing dav

rename v201 age
gen agesq=age^2

recode v200 (1=0) (2=1), gen(female)

rename v205 education
gen lesssec=.
replace lesssec=1 if education>=1 & education<=4
replace lesssec= 0 if education >=5 & education<=7
label variable lesssec "Less than secondary education"
gen uni_above=.
replace uni_above=1 if education==7
replace uni_above= 0 if education >=1 & education<=6
label variable uni_above "university education or above"
gen highsec=.
replace highsec=1 if education==5 | education==6
replace highsec=0 if education>=1 & education<=4 | education==7
label variable highsec "secondary education"
```

```

recode v206 (2/4=1) (nonmis=0), gen(pttime)
recode v206 (5=1) (nonmis=0), gen(unempl)
recode v206 (6/10=1) (nonmis=0), gen(nolab)
recode v206 (1=1) (nonmis=0), gen(flttime)

label variable pttime "part-time employed"
label variable unempl "unemployed"
label variable nolab "not in labour force"
label variable flttime "full-time employed"

generate slfemp=0
replace slfemp=1 if v213==1
replace slfemp=. if v206==.
tab v213 slfemp, m

sort cntry
rename v218 hhinc

gen hhinc_z=.
levelsof cntry, local(countries)
foreach value of local countries {
    zscore hhinc if cntry==`value', listwise
    replace hhinc_z=z_hhinc if cntry==`value'
    drop z_hhinc
}

gen year=1996
drop if cntry==.
save "ISSP1996_recoded.dta", replace

clear
use "ZA4700.dta"
numlabel _all, add
recode V3 (36=36) (124=124) (250=250) (276.1/276.2=276) (372=372) (392=392) (554=554)
(578=578) (724=724) (752=752) ///
(756=756) (826.1=826) (840=840) (else=.), gen(cntry)

label define cntry 36 "Australia" 124 "Canada" 250 "France" 276 "Germany" 372
"Ireland" ///
392 "Japan" 554 "New Zealand" 578 "Norway" 724 "Spain" 752 "Sweden" 756 "Switzerland"
///
826 "UK" 840 "USA"

label values cntry cntry

rename V25 jobs
recode jobs (1/2=1) (3/4=0), gen(djobs)
rename V27 health
recode health (1/2=1) (3/4=0), gen(dhealth)
rename V28 retirement
recode retirement (1/2=1) (3/4=0), gen(dretirement)
rename V30 unemp
recode unemp (1/2=1) (3/4=0), gen(dunemp)
rename V31 income
recode income (1/2=1) (3/4=0), gen(dincome)
rename V33 housing
recode housing (1/2=1) (3/4=0), gen(dhousing)

label define dav 1 "should be" 0 "should not be"
label values djobs-dhousing dav

sort cntry

```



```

gen agesq=age^2

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

rename degree education

gen lesssec=.
replace lesssec=1 if education>=0 & education<=2
replace lesssec= 0 if education>=3 & education<=5
label variable lesssec "Less than higher secondary education"

gen uni_above=.
replace uni_above=1 if education==5
replace uni_above=0 if education >=0 & education<=4
label variable uni_above "university education or above"

gen highsec=.
replace highsec=1 if education==3 | education==4
replace highsec=0 if education>=0 & education<=2 | education==5
label variable highsec "higher secondary education"

recode wrkst (2/4=1) (nonmis=0), gen(pttime)
recode wrkst (5=1) (nonmis=0), gen(unempl)
recode wrkst (6/10=1) (nonmis=0), gen(nolab)
recode wrkst (1=1) (nonmis=0), gen(flttime)

label variable pttime "part-time employed"
label variable unempl "unemployed"
label variable nolab "not in labour force"
label variable flttime "full-time employed"

generate slfemp=0
replace slfemp=1 if wrktype==4
replace slfemp=. if wrkst==.

gen hhinc_z=.
zscore *_INC

local hhinc="z_AU_INC z_CA_INC z_CH_INC z_CL_INC z_CZ_INC z_DE_INC z_DK_INC z_DO_INC
z_ES_INC z_FI_INC z_FR_INC z_GB_INC z_HR_INC z_HU_INC z_IE_INC z_IL_INC z_JP_INC
z_KR_INC z_LV_INC z_NL_INC z_NO_INC z_NZ_INC z_PH_INC z_PL_INC z_PT_INC z_RU_INC
z_SE_INC z_SI_INC z_TW_INC z_US_INC z_UY_INC z_VE_INC z_ZA_INC"
foreach value of local hhinc {
    replace hhinc_z=`value' if `value'!=.
}
drop z_AU_INC - z_ZA_INC

sort cntry
gen year=2006
drop if cntry==.
save "ISSP2006_recoded.dta", replace

clear
use "ISSP2006_recoded.dta"

append using "ISSP1996_recoded.dta"
numlabel _all, add
sort year cntry
merge m:1 cntry year using "2014countrydata.dta"
drop if cntry == 191 | cntry == 203 | cntry == 208 | cntry == 246 | cntry== 348 |
cntry== 376 | cntry == 410 | cntry == 428 | cntry == 528 | cntry == 616 | cntry ==
620 | cntry == 643 | cntry == 705

```

```

sort year
gen yr2006=0
replace yr2006=1 if year==2006
quietly tab cntry, gen(cntryfe)

save "meged9609_recoded.dta", replace

clear
use "meged9609_recoded.dta"

tab cntry

global dependent "djobs dunemp dincome dretirement dhousing dhealth"
global controls "age agesq female lesssec uni_above ptime unempl nolab slfemp hhinc_z
  yr2006"
global cntryvar "foreignpct netmigpct socx emprate"

egen missing = rowmiss($controls)

keep if missing == 0

foreach dv in $dependent {
  logit `dv' foreignpct $controls cntryfe*, or
  outreg2 using "output/table4.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stat(coef tstat) onecol append addstat(Pseudo R-squared,
    `e(r2_p)')
}

foreach dv in $dependent {
  logit `dv' foreignpct socx $controls cntryfe*, or
  outreg2 using "output/table4.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stat(coef tstat) onecol append addstat(Pseudo R-squared,
    `e(r2_p)')
}

foreach dv in $dependent {
  logit `dv' foreignpct emprate $controls cntryfe*, or
  outreg2 using "output/table4.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stat(coef tstat) onecol append addstat(Pseudo R-squared,
    `e(r2_p)')
}

foreach dv in $dependent {
  logit `dv' netmigpct $controls cntryfe*, or
  outreg2 using "output/table5.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stat(coef tstat) onecol append addstat(Pseudo R-squared,
    `e(r2_p)')
}

foreach dv in $dependent {
  logit `dv' netmigpct socx $controls cntryfe*, or
  outreg2 using "output/table5.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stat(coef tstat) onecol append addstat(Pseudo R-squared,
    `e(r2_p)')
}

foreach dv in $dependent {
  logit `dv' netmigpct emprate $controls cntryfe*, or
  outreg2 using "output/table5.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stat(coef tstat) onecol append addstat(Pseudo R-squared,
    `e(r2_p)')
}

```

```
}  
  
foreach dv in $dependent {  
  logit `dv' netmigpct foreignpct $controls cuntryfe*, or  
  outreg2 using "output/table5.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)  
  eform bdec(3) sdec(2) stat(coef tstat) onecol append addstat(Pseudo R-squared,  
  `e(r2_p)')  
}
```

Team: 16
Software: R
Version: ORIGINAL

```
library(readxl)
library(haven)
library(tidyr)
library(dplyr)
library(purrr)
library(lme4)
library(knitr)

label_to_name = function(x) {
  attributes(x)$label %>%
    tolower() %>%
    gsub("[[:blank:]][:punct:]]+", "_", .) %>%
    gsub("^_|_+$", "", .) %>%
    return()
}

issp96 = read_stata("ZA2900.dta") %>%
  setNames(lapply(., label_to_name)) %>%
  zap_formats()
issp06 = read_stata("ZA4700.dta") %>%
  setNames(lapply(., label_to_name)) %>%
  zap_formats()

countries = read_xls("bradyfinnigan2014countrydata.xls")

issp96 = issp96 %>%
  mutate(year = 1996,
         r_agesq = r_age^2) %>%
  select(year, country, id_resp = respondent_id_number, weighting_factor,
         starts_with("resp_"),
         starts_with("r "),
         how_many_persons_in_household, household_cycle, family_income,
         urban_rural, origin_country_ethnic_group_language) %>%
  select(-starts_with("r_vote"),
         -starts_with("r_party")) %>%
  setNames(sub("^r_", "", names(.))) %>%

  mutate_if(grepl("(id_resp|year|country|weighting_factor|age|agesq|earnings|family_in
come)$|^how_many_persons|^hours_worked",
                names(.)), as.numeric) %>%

  mutate_if(!grepl("(id_resp|year|country|weighting_factor|age|agesq|earnings|family_
income)$|^how_many_persons|^hours_worked",
                names(.)), as_factor) %>%
  mutate(country = case_when(country %in% 1 ~ 36,
                             country %in% (2:3) ~ 276,
                             country %in% 4 ~ 826,
                             country %in% 6 ~ 840,
                             country %in% 8 ~ 348,
                             country %in% 10 ~ 372,
                             country %in% 12 ~ 578,
                             country %in% 13 ~ 752,
                             country %in% 14 ~ 203,
                             country %in% 15 ~ 705,
                             country %in% 16 ~ 616,
                             country %in% 18 ~ 643,
                             country %in% 19 ~ 554,
                             country %in% 20 ~ 124,
```

```

country %in% 21 ~ 608,
country %in% (22:23) ~ 376,
country %in% 24 ~ 392,
country %in% 25 ~ 724,
country %in% 26 ~ 428,
country %in% 27 ~ 250,
country %in% 30 ~ 756)) %>%
filter(country %in% countries$cntry) %>%
mutate_if(grepl("^resp_", names(.)),
  funs(case_when(grepl("should$", .) ~ 1,
    grepl("not$", .) ~ 0))) %>%
mutate(female = case_when(sex %in% "Female" ~ 1,
  sex %in% "Male" ~ 0),
  marital_status =
    case_when(
      marital_status %in% "marr,liv as mar" ~ "married",
      marital_status %in% "not married" ~ "never married",
      marital_status %in% c("divorced", "separated") ~ "divorced",
      marital_status %in% "widowed" ~ "widowed") %>%
    factor(levels = c("married", "never married", "divorced", "widowed")),
  urban_rural =
    case_when(
      urban_rural %in% "Urban" ~ "Urban",
      urban_rural %in% "Suburb,city,town,county seat" ~ "Suburban",
      urban_rural %in% "Rural" ~ "Rural") %>%
    factor(levels = c("Urban", "Suburban", "Rural")),
  empl_status =
    case_when(
      current_employment_status %in% "F-time empl,main job" ~ "full-time",
      current_employment_status %in% c("P-t empl,main job",
        "Less part-time",
        "Help family member") ~ "part-time",
      current_employment_status %in% "Unemployed" ~ "unemployed",
      current_employment_status %in% c("Studt,school,educ",
        "Retired",
        "Housewife <man>",
        "Permanent disabled",
        "Oth,n i lab force") ~ "not in labor
force") %>%
    factor(levels = c("full-time", "part-time", "unemployed",
      "not in labor force")),
  publemp1 =
    case_when(
      working_for_privat_public_sector %in% c("Government",
        "Public owned firm") ~ 1,
      !is.na(empl_status) ~ 0),
  selfempl =
    case_when(
      self_employed_i %in% "Self-employed RP:informell" ~ 1,
      !is.na(empl_status) ~ 0),
  relatt =
    case_when(
      religious_services_how_often %in% "Never" ~ "none",
      religious_services_how_often %in% c("Once a month",
        "Sev times a year",
        "Less frequently a year") ~ "low",
      religious_services_how_often %in% c("Once a week or more",
        "2-3 times a month") ~ "high") %>%
    factor(levels = c("none", "low", "high")),
  education =
    case_when(
      education_ii_categories %in% c("None;still at school,uni",
        "Incpl primary",

```

```

        "Primary compl",
        "Incpl secondary") ~ "less than
secondary",
    education_ii_categories %in% c("Secondary compl",
        "Semi-higher,Incpl uni.") ~ "secondary",
    education_ii_categories %in% "University compl" ~ "university") %>%
    factor(levels = c("secondary", "less than secondary", "university")),
    kidshh = case_when(grepl("child$|children$|ch$", household_cycle) ~ 1,
        !is.na(household_cycle) ~ 0)) %>%
group_by(country) %>%
mutate(inczscore = scale(family_income)) %>%
ungroup() %>%
select(year, cntry = country, id_resp, weighting_factor,
    starts_with("resp_"),
    age, agesq, female, marital_status, education, relatt,
    empl_status, selfempl, publemp, inczscore,
    hhsz = how_many_persons_in_household, kidshh,
    urban_rural)

issp06 = issp06 %>%
    mutate(year = 2006,
        r_agesq = r_age^2) %>%
    select(year, id_resp = respondent_id_number, weighting_factor,
        country = country_sample_see_v3a_for_codes_for_whole_nation_states,
        contains("gov_responsibility"),
        starts_with("r_"),
        starts_with("family_income_"),
        how_many_persons_in_household,
        household_cycle = household_composition_children_adults,
        urban_rural = type_of_community_rs_self_assessment,
        family_origin_ethnic_group_identity) %>%
    rename(resp_provid_jobs_for_all = q7a_gov_responsibility_provide_job_for_everyone,
        resp_prices_under_control = q7b_gov_responsibility_control_prices,
        resp_health_care_for_sick =
q7c_gov_responsibility_provide_health_care_for_sick,
        resp_provide_for_elderly =
q7d_gov_responsibility_provide_living_standard_for_the_old,
        resp_assist_industry_growth = q7e_gov_responsibility_help_industry_grow,
        resp_provide_for_unemployed =
q7f_gov_responsibility_provide_living_standard_for_unemployed,
        resp_reduce_income_differences =
q7g_gov_responsibility_reduce_income_differences_betw_rich_poor,
        resp_financial_help_for_students =
q7h_gov_responsibility_financial_help_to_students,
        resp_provide_decent_housing = q7i_gov_responsibility_provide_decent_housing,
        resp_industry_less_damage_environment =
q7j_gov_responsibility_laws_to_protect_environment) %>%
    select(-starts_with("r_vote"),
        -starts_with("r_party")) %>%
    setNames(sub("^r_", "", names(.))) %>%

mutate_if(grepl("^(id_resp|year|country|weighting_factor|age|agesq|earnings)$|^family_income|^how_many_persons|^hours_worked",
    names(.)), as.numeric) %>%

mutate_if(!grepl("^(id_resp|year|country|weighting_factor|age|agesq|earnings)$|^family_income|^how_many_persons|^hours_worked",
    names(.)), as_factor) %>%
mutate(country = case_when(country %in% c(276.1, 276.2) ~ 276,
    country %in% 826.1 ~ 826,
    TRUE ~ country)) %>%
mutate(is_not_NA_family_income =
    select(., starts_with("family_income"))) %>%

```

```

    {!is.na(.)} %>%
    rowSums(),
    family_income = select(., starts_with("family_income")) %>%
      rowSums(na.rm = TRUE),
    family_income = ifelse(is_not_NA_family_income == 1,
      family_income,
      NA) %>%
    select(-starts_with("family_income_"), -is_not_NA_family_income,
      -starts_with("earnings_")) %>%
    filter(country %in% countries$cntry) %>%
    mutate_if(grepl("^resp_", names(.)),
      funs(case_when(grepl("should be$", .) ~ 1,
        grepl("should not be$", .) ~ 0))) %>%
    mutate(female = case_when(sex %in% "Female" ~ 1,
      sex %in% "Male" ~ 0),

      marital_status =
        case_when(
          marital_status %in% "Married" ~ "married",
          marital_status %in% "Never married,single" ~ "never married",
          marital_status %in% c("Divorced", "Separated (married but sep./not living
w legal spouse)") ~ "divorced",
          marital_status %in% "Widowed" ~ "widowed") %>%
          factor(levels = c("married", "never married", "divorced", "widowed")),
      urban_rural =
        case_when(
          urban_rural %in% c("Urban,a big city", "Town or small city") ~ "Urban",
          urban_rural %in% "Suburb,outskirt of a big city" ~ "Suburban", # w
tekście jest 'suburb/town' i wszystko małymi literami
          urban_rural %in% c("Rural", "Country village,other type of community",
"Farm or home in the country") ~ "Rural") %>%
          factor(levels = c("Urban", "Suburban", "Rural")),
      empl_status =
        case_when(
          current_employment_status %in% "Employed, full-time,main job" ~ "full-
time",
          current_employment_status %in% c("Employed, part-time,main job",
            "Employed, less than part-time",
            "Helping family member") ~ "part-time",
          current_employment_status %in% "Unemployed" ~ "unemployed",
          current_employment_status %in% c("Student,school,vocational training",
            "Retired",
            "Housewife,-man,home duties",
            "Permanently disabled",
            "Other,not in labour force") ~ "not in
labor force") %>%
          factor(levels = c("full-time", "part-time", "unemployed",
            "not in labor force")),
      publemp1 =
        case_when(
          workg_f_priv_pub_sector_selfempl %in% c("Work f government",
            "Public owned firm,nat.ind",
            "GB: Other, charity, voluntary
sector,ZA:other") ~ 1,
          !is.na(empl_status) ~ 0),
      selfempl =
        case_when(
          workg_f_priv_pub_sector_selfempl %in% "Self employed" ~ 1,
          !is.na(empl_status) ~ 0),
      relatt =
        case_when(
          attendance_of_religious_services %in% "Never" ~ "none",
          attendance_of_religious_services %in% c("Once a month",
            "Sev times a year",

```

```

        "Once a year",
        "Less frequently") ~ "low",
    attendance_of_religious_services %in% c("Several times a week, IL: +
every day",
        "Once a week,GB: once a week or
more",
        "2 or 3 times a month") ~ "high")
%>%
    factor(levels = c("none", "low", "high")),
    education =
    case_when(
        education_ii_highest_education_level %in% c("No formal qualification,
incomplete primary",
        "Lowest formal
qualification",
        "Above lowest qualification")
~ "less than secondary",
        education_ii_highest_education_level %in% c("Higher secondary completed",
        "Above higher secondary
level,other qualification") ~ "secondary",
        education_ii_highest_education_level %in% "University degree completed,
graduate studies" ~ "university") %>%
    factor(levels = c("secondary", "less than secondary", "university")),
    kidshh = case_when(grepl("child$|children$|ch$", household_cycle) ~ 1,
        !is.na(household_cycle) ~ 0)) %>%
    group_by(country) %>%
    mutate(inczscore = scale(family_income)) %>%
    ungroup() %>%
    select(year, cntry = country, id_resp, weighting_factor,
        starts_with("resp_"),
        age, agesq, female, marital_status, education, relatt,
        empl_status, selfempl, publeml, inczscore,
        hhsize = how_many_persons_in_household, kidshh,
        urban_rural)

issp = bind_rows(issp96, issp06) %>%
    mutate(origl7 = cntry %in% c(36, 124, 208, 246, 250, 276, 372, 392, 528, 554,
        578, 620, 724, 752, 756, 826, 840),
        origl3 = cntry %in% c(36, 124, 250, 276, 372, 392, 554, 578, 724, 752,
        756, 826, 840)) %>%
    left_join(countries)
issp06 = issp %>%
    filter(year %in% 2006)

depVars = c("resp_provid_jobs_for_all", "resp_provide_for_unemployed",
    "resp_reduce_income_differences", "resp_provide_for_elderly",
    "resp_provide_decent_housing", "resp_health_care_for_sick")
controlVars06 = c("age", "agesq", "female", "marital_status", "hhsize", "kidshh",
    "urban_rural", "education", "empl_status", "selfempl",
    "pblempl", "inczscore", "relatt")
controlVarsAll = setdiff(c(controlVars06, "year", "country"),
    c("marital_status", "hhsize", "kidshh", "urban_rural",
    "pblempl", "relatt"))
countryVars06 = c("foreignpct", "netmigpct", "cforborn", "socx", "socdem",
    "liberal", "emprate", "mcp")
countryVarsAll = c("foreignpct", "netmigpct", "socx", "emprate")

issp = issp %>%
    filter(origl3) %>%
    semi_join(issp %>%
        select(id_resp, year, cntry, controlVarsAll) %>%
        na.omit()) %>%
        select(id_resp, year, cntry)) %>%

```



```

mutate(year = factor(year))
issp06 = issp06 %>%
  filter(origl7) %>%
  semi_join(issp06 %>%
    select(id_resp, year, cntry, controlVars06) %>%
    na.omit() %>%
    select(id_resp, year, cntry))

nObs = data.frame(`dependent variable` = depVars,
  `N 2006` = NA,
  `N 1996,2006` = NA,
  check.names = FALSE, stringsAsFactors = FALSE)
for (i in 1:nrow(nObs)) {
  nObs$`N 2006`[i] = issp06 %>%
    select(nObs$`dependent variable`[i], controlVars06) %>%
    na.omit() %>%
    nrow()
  nObs$`N 1996,2006`[i] = issp %>%
    select(nObs$`dependent variable`[i], controlVarsAll) %>%
    na.omit() %>%
    nrow()
}

results =
  list(table1 = list(c("foreignpct", controlVars06, "(1|country)"),
    c("foreignpct", "socx", controlVars06, "(1|country)"),
    c("foreignpct", "socdem", "liberal", controlVars06,
      "(1|country)"),
    c("foreignpct", "emprate", controlVars06, "(1|country)"),
    c("foreignpct", "mcp", controlVars06, "(1|country)")),
    table2 = list(c("netmigpct", controlVars06, "(1|country)"),
    c("netmigpct", "socx", controlVars06, "(1|country)"),
    c("netmigpct", "socdem", "liberal", controlVars06,
      "(1|country)"),
    c("netmigpct", "emprate", controlVars06, "(1|country)"),
    c("netmigpct", "mcp", controlVars06, "(1|country)"),
    c("netmigpct", "foreignpct", controlVars06, "(1|country)")),
    table3 = list(c("cforborn", controlVars06, "(1|country)"),
    c("cforborn", "socx", controlVars06, "(1|country)"),
    c("cforborn", "socdem", "liberal", controlVars06, "(1|country)"),
    c("cforborn", "emprate", controlVars06, "(1|country)"),
    c("cforborn", "mcp", controlVars06, "(1|country)"),
    c("cforborn", "foreignpct", controlVars06, "(1|country)"),
    c("cforborn", "netmigpct", controlVars06, "(1|country)")),
    table4 = list(c("foreignpct", controlVarsAll),
    c("foreignpct", "socx", controlVarsAll),
    c("foreignpct", "emprate", controlVarsAll)),
    table5 = list(c("netmigpct", controlVarsAll),
    c("netmigpct", "socx", controlVarsAll),
    c("netmigpct", "emprate", controlVarsAll),
    c("netmigpct", "foreignpct", controlVarsAll))) %>%
  lapply(function(x) {return(lapply(x, paste, collapse = " + ")))})

orderOfVars = data.frame(variable = c("foreignpct", "socx", "socdem", "liberal",
  "emprate", "mcp", "netmigpct",
  "cforborn", "age", "agesq", "female",
  "marital_statusnever married",
  "marital_statusdivorced",
  "marital_statuswidowed",
  "hhsize", "kidshh",
  "urban_ruralSuburban",
  "urban_ruralRural",
  "educationless than secondary",

```

```

        "educationuniversity",
        "empl_statuspart-time",
        "empl_statusunemployed",
        "empl_statusnot in labor force",
        "selfempl", "publeml", "inczscore",
        "relattlow",
        "relatthigh",
        "year2006",
        paste0("country",
1:length(unique(issp$country))),
        "(Intercept)",
        "N ind.",
        "N cntr."),
        order = NA,
        stringsAsFactors = FALSE) %>%
mutate(order = 1:nrow(.))

for (i in c("table1", "table2", "table3")) {
  for (j in 1:length(results[[i]])) {
    results[[i]][[j]] = depVars %>%
      paste(results[[i]][[j]], sep = " ~ ") %>%
      as.list() %>%
      map(formula) %>%
      map(glmer,
        data = mutate(issp06, age = age / 10, agesq = agesq / 100),
        family = binomial)
  }
}

for (i in c("table1", "table2", "table3")) {
  for (j in 1:length(results[[i]])) {
    names = paste0(depVars, "_ivset", j)
    nObs = bind_rows(results[[i]][[j]] %>%
      map(model.frame) %>%
      map(nrow) %>%
      setNames(names) %>%
      as.data.frame(),
      results[[i]][[j]] %>%
      map(model.frame) %>%
      map(select, "country") %>%
      map(distinct) %>%
      map(nrow) %>%
      setNames(names) %>%
      as.data.frame()) %>%
    mutate(variable = c("N ind.", "N cntr."),
      par = "")
    results[[i]][[j]] = results[[i]][[j]] %>%
      map(summary) %>%
      map(coef) %>%
      map(as.data.frame) %>%
      map2(names,
        function(x, name) {data.frame(variable = rownames(x),
          `odds ratio` = exp(x$Estimate),
          z = x$Estimate / x$`Std. Error`,
          stringsAsFactors = FALSE,
          check.names = FALSE) %>%
          gather("par", "name", -variable) %>%
          setNames(sub("^name$", name, names(.))) %>%
          return()}) %>%
      reduce(full_join) %>%
      bind_rows(nObs)
  }
}
results[[i]] = results[[i]] %>%

```

```

    reduce(full_join) %>%
    left_join(orderOfVars) %>%
    arrange(order, par) %>%
    select(-order)
  }
  kable(results$table1, caption = "Table 1.",
        digits = 3, format.args = list(decimal.mark = ","))
  kable(results$table2, caption = "Table 2.",
        digits = 3, format.args = list(decimal.mark = ","))
  kable(results$table3, caption = "Table 3.",
        digits = 3, format.args = list(decimal.mark = ","))

  for (i in c("table4", "table5")) {
    for (j in 1:length(results[[i]])) {
      names = paste0(depVars, "_ivset", j)
      results[[i]][[j]] = depVars %>%
        paste(results[[i]][[j]], sep = " ~ ") %>%
        as.list() %>%
        map(formula) %>% # what is it for?
        map(glm,
            data = issp,
            family = binomial,
            contrasts = list(country = contr.sum))
      nObs = bind_rows(results[[i]][[j]] %>%
        map(model.frame) %>%
        map(nrow) %>%
        setNames(names) %>%
        as.data.frame(),
        results[[i]][[j]] %>%
        map(model.frame) %>%
        map(select, "country") %>%
        map(distinct) %>%
        map(nrow) %>%
        setNames(names) %>%
        as.data.frame()) %>%
      mutate(variable = c("N ind.", "N cntr."),
            par = "")
      results[[i]][[j]] = results[[i]][[j]] %>%
        map(summary) %>%
        map(coef) %>%
        map(as.data.frame) %>%
        map2(names,
            function(x, name) {data.frame(variable = rownames(x),
              `odds ratio` = exp(x$Estimate),
              z = x$Estimate / x$`Std. Error`,
              stringsAsFactors = FALSE,
              check.names = FALSE) %>%
              gather("par", "name", -variable) %>%
              setNames(sub("^name$", name, names(.))) %>%
              return()}) %>%
        reduce(full_join) %>%
        bind_rows(nObs)
    }
  }
  results[[i]] = results[[i]] %>%
    reduce(full_join) %>%
    left_join(orderOfVars) %>%
    arrange(order, par) %>%
    select(-order)
}
kable(results$table4, caption = "Table 4.",
      digits = 3, format.args = list(decimal.mark = ","))
kable(results$table5, caption = "Table 5.",
      digits = 3, format.args = list(decimal.mark = ","))

```

Team: 17
Software: Stata
Version: ORIGINAL

```
use "bradyfinnigan2014countrydata.dta", clear

rename country cntry2
rename cntry country

generate regime=1 if liberal==1
replace regime=2 if socdem==1
replace regime=0 if regime==.

label variable regime "welfare state regime"
label define regime 0 "conservative" 1 "liberal" 2 "social democratic"
label values regime regime

label variable mcp "multiculturalism policy index"
label variable socx "social welfare expenditure"
label variable emprate "employment rate"

save "bradyfinnigan2014countrydatarep.dta", replace

use "ZA2900.dta", clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
(14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
(24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(country)
label define country 36 "AU-Australia" 124 "CA-Canada" 152 "CL-Chile" 158 "TW-Taiwan"
191 "HR-Croatia" 203 "CZ-Czech" 208 "DK-Denmark" 214 "DO-Dominican Republic" 246 "FI-
Finland" 250 "FR-France" 276 "DE-Germany" 348 "-HU-Hungary" 372 "IE-Ireland" 376 "IL-
Isreal" 392 "JP-Japan" 410 "SK-South Korea" 428 "LV-Latvia" 528 "NL-Netherlands" 554
"NZ-New Zealand" 578 "NO-Norway" 608 "PH-Philippines" 616 "PL-Poland" 620 "PT-
Portugal" 643 "RU-Russia" 705 "SI-Slovenia" 710 "ZA-South Africa" 724 "ES-Spain" 752
"SE-Sweden" 756 "CH-Switzerland" 826 "GB-Great Britain" 840 "US-United States"
858 "UY-Uruguay" 862 "VE-Venezuela"
label values country country
tabulate country v3, missing

gen year=1996
gen yr2006=0

label variable country "Country ID"

recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(jobs)
label variable jobs "jobs"
label define should 0 "shouldn't" 1 "should"
label values jobs should

recode v41 (1=4) (2=3) (3=2) (4=1), generate(govunemp)
recode govunemp (1/2=0) (3/4=1), generate(unemp)
label variable unemp "unemployment"
label values unemp should

recode v42 (1=4) (2=3) (3=2) (4=1), generate(govincdiff)
recode govincdiff (1/2=0) (3/4=1), generate(incdiff)
label variable incdiff "income difference"
label values incdiff should

recode v39 (1=4) (2=3) (3=2) (4=1), generate(govretire)
```

```

recode govretire (1/2=0) (3/4=1), generate(retire)
label variable retire "retirement"
label values retire should

recode v44 (1=4) (2=3) (3=2) (4=1), generate(govhousing)
recode govhousing (1/2=0) (3/4=1), generate(housing)
label variable housing "housing"
label values housing should
recode v38 (1=4) (2=3) (3=2) (4=1), generate(govhcare)
recode govhcare (1/2=0) (3/4=1), generate(hcare)
label variable hcare "healthcare"
label values hcare should

tabulate v201, missing
rename v201 age

tabulate v200, missing
rename v200 sex
recode sex (1=0) (2=1), gen(female)
label variable female "sex"
label define female 1"female" 0"male"
label values female female

tabulate v202, missing
tabulate v202 country, missing
    *completely missing for Spain*

recode v202 (1=0) (5=1) (3/4=2) (2=3), generate(marstat)
label define marstat 0"married" 1"never married" 2"divorced" 3"widowed"
label values marstat marstat
label variable marstat "marital status"

rename v273 hhsize
label variable hhsize "HH size"

recode v274 (2/4=1) (6/8=1) (nonmiss=0), gen(childhh)
local i = 10
while `i' < 27 {
    replace childhh=1 if v274==`i'
    local i = `i' + 2
}

tabulate v275, missing
recode v275 (1=0) (2=1) (3=2), gen(residn)
label define residn 0"urban" 1"suburb/town" 2"rural"
label values residn residn
label variable residn "residence area"
tabulate v205,missing
rename v205 educat
recode educat (1/4=1) (5/6=0) (7=2), gen(degree3)
label define degree3 1 "less than secondary degree" 0 "Secondary" 2 "University or higher"
label values degree3 degree3

recode v206 (1=0) (2/4=1) (5=2) (6/10=3), generate (lmstatus)
replace lmstatus=4 if v213==1 & (v206!=. & lmstatus!=2 & lmstatus!=3)
replace lmstatus=5 if (v212==1 | v212==2) & (v206!=. & lmstatus!=2 & lmstatus!=3 & lmstatus!=4)
label variable lmstatus "LM status"
label define lmstatus 0 "private full-time" 1"part-time employment" 2"unemployed" 3"not in the labour force" 4"self-employment" 5"public employment"
label values lmstatus lmstatus

```

```

rename v218 faminc
generate faminczscore=.
levelsof country, local(cntries)
foreach country of local cntries {
    zscore faminc if country==`country', listwise
    replace faminczscore=z_faminc if country==`country'
    drop z_faminc
}
tabulate v220, missing

recode v220 (6=0) (3/5=1) (1/2=2), gen(religious)
label variable religious "Religious attendance"
label define religious 0 "no attendance" 1 "low attendance" 2 "high attendance"
label values religious religious

save "ISSP96replication.dta", replace

use "ZA4700.dta", clear

generate year=2006
generate yr2006=1

rename V3a country
label define country 36 "AU-Australia" 124 "CA-Canada" 152 "CL-Chile" 158 "TW-Taiwan"
191 "HR-Croatia" 203 "CZ-Czech" 208 "DK-Denmark" 214 "DO-Dominican Republic" 246 "FI-
Finland" 250 "FR-France" 276 "DE-Germany" 348 "-HU-Hungary" 372 "IE-Ireland" 376 "IL-
Isreal" 392 "JP-Japan" 410 "SK-South Korea" 428 "LV-Latvia" 528 "NL-Netherlands" 554
"NZ-New Zealand" 578 "NO-Norway" 608 "PH-Philippines" 616 "PL-Poland" 620 "PT-
Portugal" 643 "RU-Russia" 705 "SI-Slovenia" 710 "ZA-South Africa" 724 "ES-Spain" 752
"SE-Sweden" 756 "CH-Switzerland" 826 "GB-Great Britain" 840 "US-United States"
858 "UY-Uruguay" 862 "VE-Venezuela"
label values country country
label variable country "Country ID"

recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(jobs)
label variable jobs "jobs"
label define should 0 "shouldn't" 1 "should"
label values jobs should

recode V30 (1=4) (2=3) (3=2) (4=1), generate(govunemp)
recode govunemp (1/2=0) (3/4=1), generate(unemp)
label variable unemp "unemployment"
label values unemp should

recode V31 (1=4) (2=3) (3=2) (4=1), generate(govincdiff)
recode govincdiff (1/2=0) (3/4=1), generate(incdiff)
label variable incdiff "income difference"
label values incdiff should

recode V28 (1=4) (2=3) (3=2) (4=1), generate(govretire)
recode govretire (1/2=0) (3/4=1), generate(retire)
label variable retire "retirement"
label values retire should

recode V33 (1=4) (2=3) (3=2) (4=1), generate(govhousing)
recode govhousing (1/2=0) (3/4=1), generate(housing)
label variable housing "housing"
label values housing should

recode V27 (1=4) (2=3) (3=2) (4=1), generate(govhcare)
recode govhcare (1/2=0) (3/4=1), generate(hcare)
label variable hcare "healthcare"

```

```

label values hcare should

tabulate age, missing

recode sex (1=0) (2=1), gen(female)
label variable female "sex"
label define female 1"female" 0"male"
label values female female

tabulate marital, missing
tabulate marital country, missing

recode marital (1=0) (5=1) (3/4=2) (2=3), generate(marstat)
label define marstat 0"married" 1"never married" 2"divorced" 3"widowed"
label values marstat marstat
label variable marstat "marital status"

rename hompop hhsize
label variable hhsize "HH size"

recode hhcycle(2/4=1) (6/8=1) (nonmiss=0), gen(childhh)
local i = 10
while `i' < 29 {
    replace childhh=1 if hhcycle==`i'
    local i = `i' + 2
}

tabulate urbru, missing
recode urbru (1=0) (2/3=1) (4/5=2), gen(residn)
label define residn 0"urban" 1"suburb/town" 2"rural"
label values residn residn
label variable residn "residence area"
tabulate degree,missing
recode degree (0/2=1) (3/4=0) (5=2), gen(degree3)
label define degree3 1 "less than secondary degree" 0 "Secondary" 2 "University or higher"
label values degree3 degree3

recode wrkst (1=0) (2/4=1) (5=2) (6/10=3), generate (lmstatus)
replace lmstatus=4 if wrktype==4 & (wrkst!=. & lmstatus!=2 & lmstatus!=3)
replace lmstatus=5 if (wrktype==1 | wrktype==2) & (lmstatus!=. & lmstatus!=2 & lmstatus!=3 & lmstatus!=4)
label variable lmstatus "LM status"
label define lmstatus 0 "private full-time" 1"part-time employment" 2"unemployed"
3"not in the labour force" 4"self-employment" 5"public employment"
label values lmstatus lmstatus

gen faminczscore=.
local famincvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC
FI_INC FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC
NZ_INC PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach famincvar of local famincvars {
    zscore `famincvar', listwise
    replace faminczscore=z_`famincvar' if z_`famincvar'!=.
    drop z_`famincvar'
}

tabulate attend, missing
tabulate attend, nolabel
recode attend (8=0) (4/7=1) (1/3=2), gen(religious)
label variable religious "Religious attendance"
label define religious 0 "no attendance" 1"low attendance" 2"high attendance"
label values religious religious

```

```

save "C:\Users\Malancu\Documents\REPLICATION\stata\ISSP06replication.dta", replace

append using "ISSP96replication.dta"
sort country year
merge m:1 country year using "bradyfinnigan2014countrydatarep.dta"

recode country (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
(554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(f17)
recode country (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
(752=1) (756=1) (826=1) (840=1) (else=0), gen(f13)

save "ISSP9606replication.dta", replace

global data "ISSP9606replication.dta"
global results "results"

use $data, clear
keep if year==2006
keep if f17

local ilcontrols "age female marstat hhsize childhh residn degree3 lmstatus
faminczscore religious"

generate rowtotal = 0
foreach v in `ilcontrols' {
    replace rowtotal = rowtotal + `v'
}
keep if rowtotal!=.

local depvar "jobs unemp incdiff retire housing hcare"

preserve
collapse `depvar' , by(country)
outsheet country `depvar' using $results\dv06.xls, comma replace
restore

preserve
keep country `depvar'
bysort country: outreg2 using $results\dv06.xls, append noaster excel sideways bdec(2)
sdec(2) sum(detail) eqkeep(mean sd)
restore

local depvar "jobs unemp incdiff retire housing hcare"
local ilcontrols " c.age##c.age i.female i.marstat c.hhsize i.childhh i.residn
i.degree3 i.lmstatus c.faminczscore i.religious"

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv `ilcontrols', i(country) quad(30)
    outreg2 using $results\controls06.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **,
*) eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

local depvar "jobs unemp incdiff retire housing hcare"
local ilcontrols " c.age##c.age i.female i.marstat c.hhsize i.childhh i.residn
i.degree3 i.lmstatus c.faminczscore i.religious"

foreach v in `depvar' {
    rename `v' dv

```



```

xtlogit dv c.foreignpct `ilcontrols', i(country) quad(30)
outreg2 using $results\fb06.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
rename dv `v'
}

foreach v in `depvar' {
  rename `v' dv
  xtlogit dv c.foreignpct c.socx `ilcontrols', i(country) quad(30)
  outreg2 using $results\fb06socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
  rename dv `v'
}

foreach v in `depvar' {
  rename `v' dv
  xtlogit dv c.foreignpct i.regime `ilcontrols', i(country) quad(30)
  outreg2 using $results\fb06regime.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
  rename dv `v'
}

foreach v in `depvar' {
  rename `v' dv
  xtlogit dv c.foreignpct c.emprate `ilcontrols', i(country) quad(30)
  outreg2 using $results\fb06emprate.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
  rename dv `v'
}

foreach v in `depvar' {
  rename `v' dv
  xtlogit dv c.foreignpct c.mcp `ilcontrols', i(country) quad(30)
  outreg2 using $results\fb06mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
  rename dv `v'
}

local depvar "jobs unemp incdiff retire housing hcare"
local ilcontrols " c.age#c.age i.female i.marstat c.hhsize i.childhh i.residn
  i.degree3 i.lmstatus c.faminczscore i.religious"

foreach v in `depvar' {
  rename `v' dv
  xtlogit dv c.netmigpct `ilcontrols', i(country) quad(30)
  outreg2 using $results\netmig06.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
  rename dv `v'
}

foreach v in `depvar' {
  rename `v' dv
  xtlogit dv c.netmigpct c.socx `ilcontrols', i(country) quad(30)
  outreg2 using $results\netmig06socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
  rename dv `v'
}

foreach v in `depvar' {
  rename `v' dv
  xtlogit dv c.netmigpct i.regime `ilcontrols', i(country) quad(30)
  outreg2 using $results\netmig06regime.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
}

```

```

    rename dv `v'
}

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv c.netmigpct c.emprate `ilcontrols', i(country) quad(30)
    outreg2 using $results\netmig06emprate.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv c.netmigpct c.mcp `ilcontrols', i(country) quad(30)
    outreg2 using $results\netmig06mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv c.netmigpct c.foreignpct `ilcontrols', i(country) quad(30)
    outreg2 using $results\netmig06fb.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

local depvar "jobs unemp incdiff retire housing hcare"
local ilcontrols " c.age#c.age i.female i.marstat c.hhsize i.childhh i.residn
    i.degree3 i.lmstatus c.faminczscore i.religious"

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv c.cforborn `ilcontrols', i(country) quad(30)
    outreg2 using $results\cfb06.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv c.cforborn c.socx `ilcontrols', i(country) quad(30)
    outreg2 using $results\cfb06socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv c.cforborn i.regime `ilcontrols', i(country) quad(30)
    outreg2 using $results\cfb06regime.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv c.cforborn c.emprate `ilcontrols', i(country) quad(30)
    outreg2 using $results\cfb06emprate.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

```

```

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv c.cforborn c.mcp `ilcontrols', i(country) quad(30)
    outreg2 using $results\cfb06mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

local depvar "jobs unemp incdiff retire housing hcare"
local ilcontrols " c.age##c.age i.female i.marstat c.hhsize i.childhh i.residn
    i.degree3 i.lmstatus c.faminczscore i.religious"

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv c.cforborn c.foreignpct `ilcontrols', i(country) quad(30)
    outreg2 using $results\cfb06fb.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

local depvar "jobs unemp incdiff retire housing hcare"
local ilcontrols " c.age##c.age i.female i.marstat c.hhsize i.childhh i.residn
    i.degree3 i.lmstatus c.faminczscore i.religious"

foreach v in `depvar' {
    rename `v' dv
    xtlogit dv c.cforborn c.netmigpct `ilcontrols', i(country) quad(30)
    outreg2 using $results\cfb06netmig.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`v')
    rename dv `v'
}

use $data, clear
keep if f13
quietly tab country, gen(countryfe)

local depvar "jobs unemp incdiff retire housing hcare"
local ilcontrols "c.age##c.age i.female i.degree3 i.lmstatus c.faminczscore i.yr2006"

local depvar "jobs unemp incdiff retire housing hcare"
local ilcontrols "c.age##c.age i.female i.degree3 i.lmstatus c.faminczscore i.yr2006"

foreach v of varlist `depvar'{
    logit `v' `ilcontrols' i.countryfe*
    outreg2 using $results\controls.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach v of varlist `depvar' {
    logit `v' c.foreignpct `ilcontrols' i.countryfe*
    outreg2 using $results\fb.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach v of varlist `depvar' {
    logit `v' c.foreignpct c.socx `ilcontrols' i.countryfe*
    outreg2 using $results\fb socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

```

foreach v of varlist `depvar' {
    logit `v' c.foreignpct c.emprate `ilcontrols' i.countryfe*
    outreg2 using $results\fbemprate.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

local depvar "jobs unemp incdiff retire housing hcare"
local ilcontrols "c.age#c.age i.female i.degree3 i.lmstatus c.faminczscore i.yr2006"

foreach v of varlist `depvar'{
    logit `v' c.netmigpct `ilcontrols' i.countryfe*
    outreg2 using $results\netmig.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach v of varlist `depvar' {
    logit `v' c.netmigpct c.socx `ilcontrols' i.countryfe*
    outreg2 using $results\netmigsocx.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach v of varlist `depvar'{
    logit `v' c.netmigpct c.emprate `ilcontrols' i.countryfe*
    outreg2 using $results\netmigemprate.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach v of varlist `depvar'{
    logit `v' c.netmigpct c.foreignpct `ilcontrols' i.countryfe*
    outreg2 using $results\netmigfb.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

Team: 18
Software: Stata
Version: ORIGINAL

```
clear all
set more off
version 15

use "ZA2900.dta", clear

gen id = _n

recode v3                                     ///
  (1      = 36  "AU-Australia")              ///
  (2 3    = 276 "DE-Germany")                ///
  (4      = 826 "GB-Great Britain")          ///
  (6      = 840 "US-United States")          ///
  (8      = 348 "HU-Hungary")                ///
  (10     = 372 "IE-Ireland")                ///
  (12     = 578 "NO-Norway")                 ///
  (13     = 752 "SE-Sweden")                 ///
  (14     = 203 "CZ-Czech Republic")          ///
  (15     = 705 "SI-Slovenia")               ///
  (16     = 616 "PL-Poland")                 ///
  (18     = 643 "RU-Russia")                 ///
  (19     = 554 "NZ-New Zealand")            ///
  (20     = 124 "CA-Canada")                 ///
  (21     = 608 "PH-Philippines")            ///
  (22 23  = 376 "IL-Israel")                 ///
  (24     = 392 "JP-Japan")                  ///
  (25     = 724 "ES-Spain")                  ///
  (26     = 428 "LV-Latvia")                 ///
  (27     = 250 "FR-France")                 ///
  (30     = 756 "CH-Switzerland")            ///
  (else   = .)                               ///
, gen(cntry)

gen year = 1996

recode v200                                     ///
  (2 = 1 "Female")                            ///
  (1 = 0 "Male")                              ///
, gen(female)
lab var female "Female"

rename v201 age
gen age_sq = age*age
lab var age_sq "Age-squared"

recode v205                                     ///
  (1      = . )                               /// drop those still in
education
  (2 3 4  = 1 "Primary or less")              ///
  (5 6   = 2 "Secondary")                    ///
  (7     = 3 "University or more")           ///
, gen(edu)

lab var edu "Education"

recode v206                                     ///
  (1 = 1 "Full-time")                         ///
```

```

        (2 3 = 2 "Part-time")                ///
        (4 6 7 8 9 10 = 3 "Not active")      ///
        (5 = 4 "Active unemployed")          ///
        ,gen(emplstat)
lab var emplstat "Employment Status"

recode v39                                ///
        (1 2 = 1 "yes")                     ///
        (3 4 = 0 "no")                     ///
        , gen(old)
lab var old "Old Age Care"

recode v41                                ///
        (1 2 = 1 "Yes")                     ///
        (3 4 = 0 "No")                     ///
        , gen(unempl)
lab var unempl "Unemployed"

recode v42                                ///
        (1 2 = 1 "Yes")                     ///
        (3 4 = 0 "No")                     ///
        , gen(incdiff)
lab var incdiff "Reduce Income Differences"

recode v36                                ///
        (1 2 = 1 "Yes")                     ///
        (3 4 = 0 "No")                     ///
        , gen(jobs)
lab var jobs "Jobs"

keep id cntry year female age age_sq edu emplstat old unempl incdiff jobs

save "ISSP1996_prepared.dta", replace

clear all
set more off
version 15

use "ZA4700.dta", clear

rename V3a cntry

keep if
cntry == 36 | ///
cntry == 276 | ///
cntry == 826 | ///
cntry == 840 | ///
cntry == 348 | ///
cntry == 372 | ///
cntry == 578 | ///
cntry == 752 | ///
cntry == 203 | ///
cntry == 705 | ///
cntry == 616 | ///
cntry == 643 | ///
cntry == 554 | ///
cntry == 124 | ///
cntry == 608 | ///
cntry == 376 | ///
cntry == 392 | ///
cntry == 724 | ///
cntry == 428 | ///
cntry == 250 | ///

```

```

        cntry == 756
gen year = 2006

recode sex                ///
    (2 = 1 "Female")      ///
    (1 = 0 "Male")        ///
    , gen(female)

lab var female "Female"
gen age_sq = age*age
lab var age_sq "Age-squared"

recode degree                ///
    (0 1 = 1 "Primary or less")    ///
    (2 3 4 = 2 "Secondary")        ///
    (5 = 3 "University or more")   ///
    , gen(edu)

lab var edu "Education"

recode wrkst                ///
    (1 = 1 "Full-time")            ///
    (2 3 = 2 "Part-time")          ///
    (4 6 7 8 9 10 = 3 "Not active") ///
    (5 = 4 "Active unemployed")    ///
    , gen(emplstat)

lab var emplstat "Employment Status"

recode V28                ///
    (1 2 = 1 "yes")            ///
    (3 4 = 0 "no")             ///
    , gen(old)

lab var old "Old Age Care"

recode V30                ///
    (1 2 = 1 "Yes")            ///
    (3 4 = 0 "No")             ///
    , gen(unempl)
lab var unempl "Unemployed"

recode V31                ///
    (1 2 = 1 "Yes")            ///
    (3 4 = 0 "No")             ///
    , gen(incdiff)
lab var incdiff "Reduce Income Differences"

recode V25                ///
    (1 2 = 1 "Yes")            ///
    (3 4 = 0 "No")             ///
    , gen(jobs)
lab var jobs "Jobs"

keep id cntry year female age age_sq edu emplstat old unempl incdiff jobs

save "ISSP2006_prepared.dta", replace

clear all
set more off
version 15

```

```

use "L2data.dta", clear

lab var foreignpct "Immigrant Stock"
lab var netmigpct "Change in Immigrant Stock"
lab var socx "Social Welfare Expenditures"
lab var emprate "Employment rate"

save "level2.dta", replace

clear all
set more off
version 15

use "ISSP1996_prepared.dta", clear

append using "ISSP2006_prepared.dta"

merge m:1 cntry year using "level2.dta" ///
, keep(match) nogen

keep if ///
  cntry == 36      /// "AU-Australia"
| cntry == 276    /// "DE-Germany"
| cntry == 826    /// "GB-Great Britain"
| cntry == 840    /// "US-United States"
| cntry == 372    /// "IE-Ireland"
| cntry == 578    /// "NO-Norway"
| cntry == 752    /// "SE-Sweden"
| cntry == 554    /// "NZ-New Zealand"
| cntry == 124    /// "CA-Canada"
| cntry == 392    /// "JP-Japan"
| cntry == 724    /// "ES-Spain"
| cntry == 250    /// "FR-France"
| cntry == 756    /// "CH-Switzerland"

save "analysis_sample.dta", replace

clear all
set more off
version 15

use "analysis_sample.dta", clear

global controls i.female age age_sq ib2.edu ib1.emplstat i.cntry i.year

quietly logit old foreignpct $controls, or
eststo m1

quietly logit unempl foreignpct $controls, or
eststo m2

quietly logit incdiff foreignpct $controls, or
eststo m3

quietly logit jobs foreignpct $controls, or
eststo m4

quietly logit old foreignpct socx $controls, or
eststo m5

quietly logit unempl foreignpct socx $controls, or
eststo m6

```



```
quietly logit incdiff foreignpct socx $controls, or
eststo m7

quietly logit jobs foreignpct socx $controls, or
eststo m8

quietly logit old foreignpct emprate $controls, or
eststo m9

quietly logit unempl foreignpct emprate $controls, or
eststo m10

quietly logit incdiff foreignpct emprate $controls, or
eststo m11

quietly logit jobs foreignpct emprate $controls, or
eststo m12

quietly logit old netmigpct $controls, or
eststo m13

quietly logit unempl netmigpct $controls, or
eststo m14

quietly logit incdiff netmigpct $controls, or
eststo m15

quietly logit jobs netmigpct $controls, or
eststo m16

quietly logit old netmigpct socx $controls, or
eststo m17

quietly logit unempl netmigpct socx $controls, or
eststo m18

quietly logit incdiff netmigpct socx $controls, or
eststo m19

quietly logit jobs netmigpct socx $controls, or
eststo m20

quietly logit old netmigpct emprate $controls, or
eststo m21

quietly logit unempl netmigpct emprate $controls, or
eststo m22

quietly logit incdiff netmigpct emprate $controls, or
eststo m23

quietly logit jobs netmigpct emprate $controls, or
eststo m24

esttab m* using "results_table.csv", keep(foreignpct socx emprate netmigpct _cons)
eform constant pr2 replace
```

Team: 19
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
  (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
  (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
  "Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
  "Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
  "Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
  "Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
  "Great Britain" 840 "United States"
label values v3a cntrylbl

recode v4 (2=0) (8/9=.) (0=.), gen(dobeylaws)

cap drop orgprotest orgmarch orgstrike
cap drop dorgprotest dorgmarch dorgstrike
tab1 v5 v6 v7,nol
foreach var of varlist v5 v6 v7 {
  recode `var' (1=4) (2=3) (3=2) (4=1), gen(`var'b)
  recode `var'b (1/2=0) (3/4=1), gen(`var'c)
}

rename (v5b v6b v7b) (orgprotest orgmarch orgstrike)
rename (v5c v6c v7c) (dorgprotest dorgmarch dorgstrike)

foreach var of varlist v25-v32{
  recode `var' (1=5) (2=4) (3=3) (4=2) (5=1), gen(`var'b)
  recode `var' (1/3=0) (4/5=1), gen(`var'c)
}
rename (v25b v26b v27b v28b v29b v30b v31b v32b) (spendenv spendhealth spendlaw
  spendedu spenddef spendret spendunemp spendart)
rename (v25c v26c v27c v28c v29c v30c v31c v32c) (dspendenv dspendhealth dspendlaw
  dspendedu dspenddef dspendret dspendunemp dspendart)

foreach var of varlist v36 v37 v38 v39 v40 v41 v42 v43 v44 v45{
  recode `var' (1=4) (2=3) (3=2) (4=1), gen(`var'b)
  recode `var'b (1/2=0) (3/4=1), gen(`var'c)
}
rename (v36b v37b v38b v39b v40b v41b v42b v43b v44b v45b) (govjobs govprices govhcare
  govretire indgrow govunemp govincdiff govstudents govhousing lawsenv)
rename (v36c v37c v38c v39c v40c v41c v42c v43c v44c v45c) (dgovjobs dgovprices dhcare
  dgovretire dindgrow dgovunemp dgovincdiff dgovstud dgovhous dlawsenv)

sum v19 v20 v21 v22 v23 v24
foreach var of varlist v19 v20 v21 v22 v23 v24 {
  recode `var' (1=5) (2=4) (3=3) (4=2) (5=1), gen(`var'b)
  recode `var'b (1/3=0) (4/5=1), gen(`var'c)
}
rename (v19b v20b v21b v22b v23b v24b) (cutspend projjobs regbus indnewprod decindjobs
  workwk)
rename (v19c v20c v21c v22c v23c v24c) (dcutspend dprojjobs dregbus dindnewprod
  ddecindjobs dworkwk)

rename v201 age
gen agesq=age*age

recode v200 (1=0) (2=1), gen(female)
```

```

rename v202 marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode v203 (2=0), gen(partner)
rename v273 hhszize

recode v274 (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 27 {
    replace kidshh=1 if v274==`i'
    local i = `i' + 2
}

recode v275 (3=1) (nonmiss=0), gen(rural)
recode v275 (2=1) (nonmiss=0), gen(suburb)

rename v324 ETHNIC

rename v204 edyears
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename v208 isco
rename v209 occ2
rename v215 hourswrk

recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptime)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=v213==1
replace selfemp=. if v206==.
gen pubemp=(v212==1 | v212==2)
replace pubemp=. if v206==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if v206==.

rename v218 faminc

gen inczscore=.
levelsof v3a, local(cntries)
foreach cntryval of local cntries {
    zscore faminc if v3a==`cntryval', listwise
    replace inczscore=z_faminc if v3a==`cntryval'
    drop z_faminc
}

recode v222 (2=0), gen(union)
rename v223 party
recode v220 (1/2=1) (nonmiss=0), gen(highrel)
recode v220 (3/5=1) (nonmiss=0), gen(lowrel)

```

```

recode v220 (6=1) (nonmiss=0), gen(norel)
rename v220 religion

gen year=1996
gen yr2006=0
rename v3a cntry
rename v325 wgths

save "ISSP96recode.dta", replace

use "ZA4700.dta", clear

sum V17 V18 V19 V20 V21 V22 V23 V24
foreach var of varlist V17 V18 V19 V20 V21 V22 V23 V24{
  recode `var' (1=5) (2=4) (3=3) (4=2) (5=1), gen(`var'b)
  recode `var'b (1/3=0) (4/5=1), gen(`var'c)
}
rename (V17b V18b V19b V20b V21b V22b V23b V24b) (spendenv spendhealth spendlaw
  spendedu spenddef spendret spendunemp spendart)
rename (V17c V18c V19c V20c V21c V22c V23c V24c) (dspendenv dspendhealth dspendlaw
  dspendedu dspenddef dspendret dspendunemp dspendart)

foreach var of varlist V35 V36 V37 V38 V39 V40{
  recode `var' (1=5) (2=4) (3=3) (4=2) (5=1), gen(`var'b)
  recode `var' (1/2=1) (3/5=0), gen(`var'c) //I have inverted the order proably data
  has changed
}
rename (V35b V36b V37b V38b V39b V40b) (suchcare sucret sucdef suclaw sucunemp sucenv)
rename (V35c V36c V37c V38c V39c V40c) (dsuchcare dsucret dsucdef dsuclaw dsucunemp
  dsucenv)

foreach var of varlist V25 V26 V27 V28 V29 V30 V31 V32 V33 V34{
  recode `var' (1=4) (2=3) (3=2) (4=1), gen(`var'b)
  recode `var' (1/2=1) (3/4=0), gen(`var'c) //I have inverted the order probably data
  has changed
}
rename (V25b V26b V27b V28b V29b V30b V31b V32b V33b V34b) (govjobs govprices govhcare
  govretire indgrow govunemp govincdiff govstudents govhousing lawsenv)
rename (V25c V26c V27c V28c V29c V30c V31c V32c V33c V34c) (dgovjobs dgovprices dhcare
  dgovretire dindgrow dgovunemp dgovincdiff dgovstud dgovhous dlawsenv)

sum V11 V12 V13 V14 V15 V16
foreach var of varlist V11 V12 V13 V14 V15 V16{
  recode `var' (1=5) (2=4) (3=3) (4=2) (5=1), gen(`var'b)
  recode `var' (1/2=1) (3/5=0), gen(`var'c) // I have inverted the order probably data
  has changed
}
rename (V11b V12b V13b V14b V15b V16b) (cutspend projjobs regbus indnewprod decindjobs
  workwk)
rename (V11c V12c V13c V14c V15c V16c) (dcutspend dprojjobs dregbus dindnewprod
  ddecindjobs dworkwk)
sum cutspend projjobs regbus indnewprod decindjobs workwk
sum dcutspend dprojjobs dregbus dindnewprod ddecindjobs dworkwk

foreach var of varlist V41 V42 V43{
  recode `var' (1/2=1) (3/4=0), gen(`var'b)
}
rename (V41 V42 V43) (govdetain govtapphone govsearch)
rename (V41b V42b V43b) (dgovdetain dgovtap dgovsearch)

rename V54 trustfew
recode trustfew (1/2 = 0) (3/5 = 1), gen(dtrust)

```

```

rename V55 takeadv
recode takeadv (1/2 = 0) (3/5 = 1), gen(dtakeadv)

gen agesq=age*age
recode sex(1=0) (2=1), gen(female)

rename marital marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)
recode cohab (2=0), gen(partner)
rename hompop hhsize

recode hhcycle (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 29 {
    replace kidshh=1 if hhcycle==`i'
    local i = `i' + 2
}

recode urbrural (1/3=0) (4/5=1), gen(rural)
recode urbrural (2/3=1) (nonmiss=0), gen(suburb)

rename educyrs edyears
rename degree edcat
recode edcat (0=1), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename wrkst empstat
rename ISCO88 isco // see pg 137 in codebook
rename wrkhrs hourswrk

recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptime)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=wrktype==4
replace selfemp=. if empstat==.
gen pubemp=(wrktype==1 | wrktype==2)
replace pubemp=. if empstat==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if empstat==.

gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
    FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
    PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
    zscore `incvar', listwise
    replace inczscore=z_`incvar' if z_`incvar'!=.
    drop z_`incvar'
}

rename union unionb
recode unionb (2/3=0), gen(union)

```

```

rename PARTY_LR party
recode attend (1/3=1) (nonmiss=0), gen(highrel)
recode attend (4/7=1) (nonmiss=0), gen(lowrel)
recode attend (8=1) (nonmiss=0), gen(norel)
rename attend religion

rename V3a cntry
rename weight wghts

gen year=2006
gen yr2006=1

gen mail=mode==34

save "ISSP06recode.dta", replace

use "ISSP06recode.dta", clear

append using "ISSP96recode.dta"

sort cntry year
merge m:1 cntry year using "$data\BradyFinnigan2014CountryData.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
    (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
    (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)

save "ISSP9606.dta", replace

global regtable "excel alpha(0.001, 0.01, 0.05) sym(**, **, *) ctitle(`depvar')
    eform bdec(3) sdec(2) stats(coef tstat) onecol append"

use "ISSP9606.dta", clear

keep if year==2006
keep if orig17

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female nevermar divorced widow hhsz kidshh rural suburb
    lesshs univ ptemp unemp nolabor selfemp pubemp inczscore highrel lowrel"
global cntryvars "foreignpct netmigpct cforborn socx socdem liberal emprate"

sum $depvars $controls $cntryvars

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)
keep if allcontrols

preserve
keep if allcontrols
keep $depvars $cntryvars $controls
outreg2 using "$output\desc2006.xls", replace noaster excel sideways bdec(3) sdec(3)
    sum(detail) eqkeep(mean sd)
restore

preserve
keep if allcontrols
collapse $depvars, by(cntry)
outsheet cntry $depvars using $desktop\depvars2006", comma replace
restore

```

```

preserve
keep if allcontrols
keep cntry $depvars
bysort cntry: outreg2 using $desktop\depvars2006.xls", append noaster excel sideways
    bdec(2) sdec(2) sum(detail) eqkeep(mean sd)
restore

*OKAY, NOW WE MANAGE TO REPLICATE THE GRAPH BY CORRECTING THE DATA (in 2006 the order
of the variable changed since the authors did the analysis)

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct $controls, i(cntry) quad(30)
    outreg2 using "$output\forborn2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct socx $controls, i(cntry) quad(30)
    outreg2 using "$output\forborn2006socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct socdem liberal $controls, i(cntry) quad(30)
    outreg2 using "$output\forborn2006regime.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct emprate $controls, i(cntry) quad(30)
    outreg2 using "$output\forborn2006emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct mcp $controls, i(cntry) quad(30)
    outreg2 using "$output\forborn2006mcp.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct $controls, i(cntry) quad(30)
    outreg2 using "$output\netmig2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct socx $controls, i(cntry) quad(30)
    outreg2 using "$output\netmig2006socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

```

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct socdem liberal $controls, i(cntry) quad(30)
    outreg2 using "$output\netmig2006regime.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct emprate $controls, i(cntry) quad(30)
    outreg2 using "$output\netmig2006emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct mcp $controls, i(cntry) quad(30)
    outreg2 using "$output\netmig2006mcp.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct foreignpct $controls, i(cntry) quad(30)
    outreg2 using "$output\netmig2006forborn.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn $controls, i(cntry) quad(30)
    outreg2 using "$output\cforborn2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn socx $controls, i(cntry) quad(30)
    outreg2 using "$output\cforborn2006socx.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn socdem liberal $controls, i(cntry) quad(30)
    outreg2 using "$output\cforborn2006regime.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn emprate $controls, i(cntry) quad(30)
    outreg2 using "$output\cforborn2006emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn mcp $controls, i(cntry) quad(30)
    outreg2 using "$output\cforborn2006mcp.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a cforborn foreignpct $controls, i(cntry) quad(30)
    outreg2 using "$output\cforborn2006forborn.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    ctitle(`depvar')
    rename a `depvar'
}

```



```

foreach depvar in $depvars {
    xtlogit `depvar' cforborn netmigpct $controls, i(cntry) quad(30)
    outreg2 using "$output\cforborn2006netmig.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

use "ISSP9606.dta", clear

keep if orig13

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
    yr2006"
global cntryvars "foreignpct netmigpct socx emprate"

sum $depvars $controls $cntryvars

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)

quietly tab cntry, gen(cntryfe)

preserve
keep if allcontrols & year==1996 & dgovincdiff<.
keep $depvars $cntryvars $controls
outreg2 using $desktop\desc1996.xls", replace noaster excel sideways bdec(3) sdec(3)
    sum(detail) eqkeep(mean sd)
restore

preserve
keep if allcontrols & year==1996
collapse $depvars, by(cntry)
outsheet cntry $depvars using $desktop\depvars1996", comma replace
restore

foreach depvar in $depvars {
    logit `depvar' foreignpct $controls cntryfe*
    outreg2 using "$table4\forborn9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct socx $controls cntryfe*
    outreg2 using "$table4\forborn9606socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct emprate $controls cntryfe*
    outreg2 using "$table4\forborn9606emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct $controls cntryfe*
    outreg2 using "$table5\netmig9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct socx $controls cntryfe*

```

```

    outreg2 using "$table5\netmig9606socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct emprate $controls centryfe*
    outreg2 using "$table5\netmig9606emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct foreignpct $controls centryfe*
    outreg2 using "$table5\netmig9606forborn.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' $controls centryfe*
    outreg2 using "$table5\controls9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

Team: 20
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

tab v1
gen study=v1
gen year=1996

tab v3
tab v3, nolabel
gen cntry=.
replace cntry=36 if v3==1
replace cntry=100 if v3==17
replace cntry=124 if v3==20
replace cntry=196 if v3==28
replace cntry=203 if v3==14
replace cntry=250 if v3==27
replace cntry=276 if v3==2
replace cntry=276 if v3==3
replace cntry=348 if v3==8
replace cntry=372 if v3==10
replace cntry=376 if v3==22
replace cntry=376 if v3==23
replace cntry=380 if v3==9
replace cntry=392 if v3==24
replace cntry=428 if v3==26
replace cntry=554 if v3==19
replace cntry=578 if v3==12
replace cntry=608 if v3==21
replace cntry=616 if v3==16
replace cntry=643 if v3==18
replace cntry=705 if v3==15
replace cntry=724 if v3==25
replace cntry=752 if v3==13
replace cntry=756 if v3==30
replace cntry=826 if v3==4
replace cntry=840 if v3==6

tab cntry v3

tab v200
gen female=.
replace female=1 if v200==2
replace female=0 if v200==1
tab female

tab v201
gen age=v201

gen age2=age*age

tab v205
tab v205, nol
gen educ=.
replace educ=1 if v205==1 & v206!=6
replace educ=1 if v205==2 | v205==3
replace educ=2 if v205==4 | v205==5
replace educ=3 if v205==6 | v205==7
tab educ
```

```

tab v206
tab v206,nolabel
gen empl=.
replace empl=1 if v206==1
replace empl=2 if v206==2 | v206==3
replace empl=3 if v206==5
replace empl=4 if v206==4 | v206==6 | v206==7 | v206==8 | v206==9 | v206==10
tab empl

tab v39
tab v39,nol
gen oldage=.
replace oldage=1 if v39==1 | v39==2
replace oldage=0 if v39==3 | v39==4

tab v41
tab v41,nol
gen unemployed=.
replace unemployed=1 if v41==1 | v41==2
replace unemployed=0 if v41==3 | v41==4

tab v42
tab v42,nol
gen reducinc=.
replace reducinc=1 if v42==1 | v42==2
replace reducinc=0 if v42==3 | v42==4

tab v36
tab v36,nol
gen jobs=.
replace jobs=1 if v42==1 | v42==2
replace jobs=0 if v42==3 | v42==4

gen newid=_n
gen double id=199600000+newid

keep id oldage unemployed reducinc jobs year female age age2 educ empl cntry
save "issp1996.dta", replace

use "ZA4700.dta"

gen oldage = V28
recode oldage (2 = 1) (3 4=0)
gen unemployed = V30
recode unemployed (2 = 1) (3 4=0)
gen reducinc = V31
recode reducinc (2 = 1) (3 4=0)
gen jobs = V25
recode jobs (2 = 1) (3 4=0)

gen newid=_n
gen double id=200600000+newid

gen year = 2006

gen female = sex
recode female (1=0) (2=1)

gen age2 = age*age

gen educ = .
replace educ = 1 if degree <= 1
replace educ = 2 if degree == 2 | degree == 3

```

```

replace educ = 3 if degree >= 4

gen empl = .
replace empl = 1 if wrkst == 1
replace empl = 2 if wrkst == 2 | wrkst == 3
replace empl = 3 if wrkst == 5
replace empl = 4 if wrkst ==4 | wrkst >= 6

gen cntry = V3
recode cntry (276.1 = 276) (276.2 = 276) (376.1 = 376) (376.2 = 376) (826.1 = 826)

keep id oldage unemployed reducinc jobs year female age age2 educ empl cntry

save "ISSP2006.dta", replace

merge 1:1 id cntry using "issp1996.dta"

save "ISSP_combined.dta", replace
drop _merge

merge m:1 cntry year using "L2data.dta"

drop if id == .

save "ISSP_combined.dta", replace

clear
use "ISSP_combined.dta"

global indlev female age age2 b2.educ b1.empl
global dvars oldage unemployed reducinc jobs

global M1 $indlev foreignpct
global M2 $indlev foreignpct socx
global M3 $indlev foreignpct emprate
global M4 $indlev netmigpct
global M5 $indlev netmigpct socx
global M6 $indlev netmigpct emprate

quietly reg id $indlev $dvars $M2 $M3 $M4
gen netsamp_A = e(sample)

estimates clear
local n 6
forvalues md= 1/\`n'{
    *di `md'
        foreach dv in $dvars {
            di "`dv'"
                logit `dv'      ${M`md'}      i.year i.cntry if netsamp_A==1
                est store `dv' _M`md'
        }
    }

esttab oldage_M1 unemployed_M1 reducinc_M1 jobs_M1 ///
oldage_M2 unemployed_M2 reducinc_M2 jobs_M2 ///
oldage_M3 unemployed_M3 reducinc_M3 jobs_M3 ///
oldage_M4 unemployed_M4 reducinc_M4 jobs_M4 ///
oldage_M5 unemployed_M5 reducinc_M5 jobs_M5 ///
oldage_M6 unemployed_M6 reducinc_M6 jobs_M6 using "models.rtf", b(3) z(3)
star(* 0.05 ** 0.01 *** 0.001) eform nogaps constant replace

```

Team: 21
Software: Stata
Version: ORIGINAL

```
set more off
set memory lg

use ZA2900.dta

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
(14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
(24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
"Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
"Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
"Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
"Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
"Great Britain" 840 "United States"
label values v3a cntrylbl

recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
recode v38 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)
recode v38 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
recode v39 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)
recode v39 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)
recode v41 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)
recode v42 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)
recode v43 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)
recode v44 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)
recode v45 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)
rename v201 age
gen agesq=age*age
recode v200 (1=0) (2=1), gen(female)
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
Ed" 5 "University or higher"
label values degree edlabels
recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptimep)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=v213==1
replace selfemp=. if v206==.

rename v218 faminc
```

```

gen inczscore=.
levelsof v3a, local(cntries)
foreach cntryval of local(cntries) {
    zscore faminc if v3a==`cntryval', listwise
    replace inczscore=z_faminc if v3a==`cntryval'
    drop z_faminc
}

gen year=1996
gen yr2006=0

rename v3a cntry
rename v325 wgths

save "ZA2900_cleaned.dta", replace

clear

use ZA4700.dta

recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
recode V26 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)
recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)
recode V29 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)
recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)
recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)
recode V32 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)
recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)
recode V34 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)

gen agesq=age*age
recode sex (1=0) (2=1), gen(female)

rename educyrs edyears
rename degree edcat
recode edcat (0=1), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename wrkst empstat
rename ISCO88 isco // see pg 137 in codebook
rename wrkhrs hourswrk

recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptemp)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)

```

```

gen selfemp=wrktype==4
replace selfemp=. if empstat==.

gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
    zscore `incvar', listwise
    replace inczscore=z_`incvar' if z_`incvar'!=.
    drop z_`incvar'
}

rename V3a cntry
rename weight wgths
gen year=2006
gen yr2006=1

save "ZA4700_cleaned.dta", replace

append using "ZA2900_cleaned.dta"
sort cntry year
merge m:1 cntry year using
    "C:\WorkingData\Replication\bradyfinnigan2014countrydata.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
    (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
    (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)
save "C:\WorkingData\Replication\bfreplication.dta", replace

keep if orig13
quietly tab cntry, gen(cntryfe)

logit dgovjobs foreignpct age agesq female lesshs univ ptemp unemp nolabor selfemp
    inczscore yr2006 cntryfe*, or

logit dgovunemp foreignpct age agesq female lesshs univ ptemp unemp nolabor selfemp
    inczscore yr2006 cntryfe*, or

logit dgovincdiff foreignpct age agesq female lesshs univ ptemp unemp nolabor selfemp
    inczscore yr2006 cntryfe*, or

logit dgovretire foreignpct age agesq female lesshs univ ptemp unemp nolabor selfemp
    inczscore yr2006 cntryfe*, or

logit dgovhous foreignpct age agesq female lesshs univ ptemp unemp nolabor selfemp
    inczscore yr2006 cntryfe*, or

logit dhcare foreignpct age agesq female lesshs univ ptemp unemp nolabor selfemp
    inczscore yr2006 cntryfe*, or

logit dgovjobs foreignpct socx age agesq female lesshs univ ptemp unemp nolabor
    selfemp inczscore yr2006 cntryfe*, or

logit dgovunemp foreignpct socx age agesq female lesshs univ ptemp unemp nolabor
    selfemp inczscore yr2006 cntryfe*, or

logit dgovincdiff foreignpct socx age agesq female lesshs univ ptemp unemp nolabor
    selfemp inczscore yr2006 cntryfe*, or

logit dgovretire foreignpct socx age agesq female lesshs univ ptemp unemp nolabor
    selfemp inczscore yr2006 cntryfe*, or

```



```
logit dgovhous foreignpct socx age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dhcare foreignpct socx age agesq female lesshs univ ptemp unemp nolabor selfemp  
inczscore yr2006 cntryfe*, or  
  
logit dgovjobs foreignpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovunemp foreignpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovincdiff foreignpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovretire foreignpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovhous foreignpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dhcare foreignpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovjobs netmigpct age agesq female lesshs univ ptemp unemp nolabor selfemp  
inczscore yr2006 cntryfe*, or  
  
logit dgovunemp netmigpct age agesq female lesshs univ ptemp unemp nolabor selfemp  
inczscore yr2006 cntryfe*, or  
  
logit dgovincdiff netmigpct age agesq female lesshs univ ptemp unemp nolabor selfemp  
inczscore yr2006 cntryfe*, or  
  
logit dgovretire netmigpct age agesq female lesshs univ ptemp unemp nolabor selfemp  
inczscore yr2006 cntryfe*, or  
  
logit dgovhous netmigpct age agesq female lesshs univ ptemp unemp nolabor selfemp  
inczscore yr2006 cntryfe*, or  
  
logit dhcare netmigpct age agesq female lesshs univ ptemp unemp nolabor selfemp  
inczscore yr2006 cntryfe*, or  
  
logit dgovjobs netmigpct socx age agesq female lesshs univ ptemp unemp nolabor selfemp  
inczscore yr2006 cntryfe*, or  
  
logit dgovunemp netmigpct socx age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovincdiff netmigpct socx age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovretire netmigpct socx age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovhous netmigpct socx age agesq female lesshs univ ptemp unemp nolabor selfemp  
inczscore yr2006 cntryfe*, or  
  
logit dhcare netmigpct socx age agesq female lesshs univ ptemp unemp nolabor selfemp  
inczscore yr2006 cntryfe*, or  
  
logit dgovjobs netmigpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or
```

```
logit dgovunemp netmigpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovincdiff netmigpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovretire netmigpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovhous netmigpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dhcare netmigpct emprate age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovjobs foreignpct netmigpct age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovunemp foreignpct netmigpct age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovincdiff foreignpct netmigpct age agesq female lesshs univ ptemp unemp  
nolabor selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovretire foreignpct netmigpct age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dgovhous foreignpct netmigpct age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or  
  
logit dhcare foreignpct netmigpct age agesq female lesshs univ ptemp unemp nolabor  
selfemp inczscore yr2006 cntryfe*, or
```

Team: 22
Software: Stata
Version: ORIGINAL

```
use ZA2900.dta
gen year=1996
gen country="Australia" if v3==1
replace country="Germany" if v3==2
replace country="Germany" if v3==3
replace country="United Kingdom" if v3==4
replace country="United States" if v3==6
replace country="Hungary" if v3==8
replace country="Italy" if v3==9
replace country="Ireland" if v3==10
replace country="Norway" if v3==12
replace country="Sweden" if v3==13
replace country="Czech Republic" if v3==14
replace country="Slovenia" if v3==15
replace country="Poland" if v3==16
replace country="Bulgaria" if v3==17
replace country="Russia" if v3==18
replace country="New Zealand" if v3==19
replace country="Canada" if v3==20
replace country="Israel" if v3==22
replace country="Israel" if v3==23
replace country="Japan" if v3==24
replace country="Spain" if v3==25
replace country="Latvia" if v3==26
replace country="France" if v3==27
replace country="Cyprus" if v3==28
replace country="Switzerland" if v3==30

gen d_oldagecare=1 if v39==1 | v39==2
replace d_oldagecare=0 if v39==3 | v39==4
gen d_unemployed=1 if v41==1 | v41==2
replace d_unemployed=0 if v41==3 | v41==4
gen d_incomediff=1 if v42==1 | v42==2
replace d_incomediff=0 if v42==3 | v42==4
gen d_jobs=1 if v36==1 | v36==2
replace d_jobs=0 if v36==3 | v36==4

gen female=.
replace female=1 if v200==2
replace female=0 if v200==1
gen age = v201 if v201<=97
gen age2=age*age

gen edu=2 if v205==2 | v205==2 | v205==3 | v205==4
replace edu=1 if v205==5 | v205==6
replace edu=3 if v205==7
gen edu2=2 if v205==1 | v205==2 | v205==3
replace edu2=1 if v205==4 | v205==5 | v205==6
replace edu2=3 if v205==7

gen empl=1 if v206==1 //full-time
replace empl=2 if v206==2 //part-time
replace empl=3 if v206==6 | v206==7 | v206==8 | v206==9 | v206==10
replace empl=4 if v206==5 //unemployed

gen empl2=1 if v206==1 //full-time
replace empl2=2 if v206==2 //part-time
replace empl2=3 if v206==6 | v206==7 | v206==8 | v206==9 | v206==10
```

```

replace empl2=4 if v206==5 //unemployed
replace empl2=2 if v206==3 | v206==4 //part-time

gen weight=v325
gen edu_orig1996=v205
gen empl_orig1996=v206

keep year-empl_orig1996

save isspl1996.dta, replace

use ZA4700.dta, clear
gen year=2006

gen country="Australia" if V3a==36
replace country="Germany" if V3a==276
replace country="United Kingdom" if V3a==826
replace country="United States" if V3a==840
replace country="Hungary" if V3a==348 //n
replace country="Ireland" if V3a==372
replace country="Norway" if V3a==578
replace country="Sweden" if V3a==752
replace country="Czech Republic" if V3a==203 //n
replace country="Slovenia" if V3a==705 //n
replace country="Poland" if V3a==616 //n
replace country="Russia" if V3a==643 //n
replace country="New Zealand" if V3a==554
replace country="Canada" if V3a==124
replace country="Israel" if V3a==376 //n
replace country="Japan" if V3a==392
replace country="Spain" if V3a==724
replace country="Latvia" if V3a==428 //n
replace country="France" if V3a==250
replace country="Switzerland" if V3a==756

gen d_oldagecare=1 if V28==1 | V28==2
replace d_oldagecare=0 if V28==3 | V28==4
gen d_unemployed=1 if V30==1 | V30==2
replace d_unemployed=0 if V30==3 | V30==4
gen d_incomediff=1 if V31==1 | V31==2
replace d_incomediff=0 if V31==3 | V31==4
gen d_jobs=1 if V25==1 | V25==2
replace d_jobs=0 if V25==3 | V25==4

gen female=.
replace female=1 if sex==2
replace female=0 if sex==1
tab female
gen age2=age*age

gen edu=2 if degree==0 | degree==1
replace edu=1 if degree==2 | degree==3 | degree==4
replace edu=3 if degree==5

gen edu2=2 if degree==0 | degree==1 | degree==2
replace edu2=1 if degree==3 | degree==4
replace edu2=3 if degree==5

gen edu_orig2006=degree

gen empl=1 if wrkst==1 //full-time
replace empl=2 if wrkst==2 //part-time
replace empl=3 if wrkst==6 | wrkst==7 | wrkst==8 | wrkst==9 | wrkst==10

```

```

replace empl=4 if wrkst==5 //unemployed

gen empl2=1 if wrkst==1 //full-time
replace empl2=2 if wrkst==2 //part-time
replace empl2=3 if wrkst==6 | wrkst==7 | wrkst==8 | wrkst==9 | wrkst==10
replace empl2=4 if wrkst==5 //unemployed
replace empl2=2 if wrkst==3 | wrkst==4 //part-time
gen empl_orig2006=wrkst

keep age weight year-empl_orig2006

save issp2006.dta, replace
append using issp1996.dta
save issp1996_2006.dta, replace

keep if country=="Australia" | country=="Canada" | country=="France" |
country=="Germany" | country=="Ireland" | country=="Japan" | country=="New Zealand" |
country=="Norway" | country=="Spain" | country=="Sweden" | country=="Switzerland" |
country=="United Kingdom" | country=="United States"
encode country, generate(country_num)
save issp1996_2006_13c.dta, replace

merge m:1 country year using L2data.dta, generate(match)
keep if country=="Australia" | country=="Canada" | country=="France" |
country=="Germany" | country=="Ireland" | country=="Japan" | country=="New Zealand" |
country=="Norway" | country=="Spain" | country=="Sweden" | country=="Switzerland" |
country=="United Kingdom" | country=="United States"
save issp1996_2006_13cL2.dta, replace

logit d_jobs female age age2 i.edu i.empl i.country_num i.year foreignpct, or
logit d_unemployed female age age2 i.edu i.empl i.country_num i.year foreignpct, or
logit d_incomediff female age age2 i.edu i.empl i.country_num i.year foreignpct, or
logit d_oldagecare female age age2 i.edu i.empl i.country_num i.year foreignpct, or

logit d_jobs female age age2 i.edu i.empl i.country_num i.year netmigpct, or
logit d_unemployed female age age2 i.edu i.empl i.country_num i.year netmigpct, or
logit d_incomediff female age age2 i.edu i.empl i.country_num i.year netmigpct, or
logit d_oldagecare female age age2 i.edu i.empl i.country_num i.year netmigpct, or

```

Team: 23
Software: Stata
Version: ORIGINAL

```
clear all
set more off
global vars country year oldcare unempl incdiff jobs stock delta_stock socexp emplrate
female ///
    age age2 edu lowedu secedu hiedu lfstatus ptime noactive activeue
fulltime

use ZA2900.dta

g country = ""
replace country = "Australia" if v3 == 1
replace country = "Canada" if v3 == 20
replace country = "France" if v3 == 27
replace country = "Germany" if v3 == 2 | v3 == 3
replace country = "Ireland" if v3 == 10
replace country = "Japan" if v3 == 24
replace country = "New Zealand" if v3 == 19
replace country = "Norway" if v3 == 12
replace country = "Spain" if v3 == 25
replace country = "Sweden" if v3 == 13
replace country = "Switzerland" if v3 == 30
replace country = "United Kingdom" if v3 == 4
replace country = "United States" if v3 == 6

drop if country == ""

g year = 1996

g oldcare = .
replace oldcare = 0 if v39 == 3 | v39 == 4
replace oldcare = 1 if v39 == 1 | v39 == 2

g unempl = .
replace unempl = 0 if v41 == 3 | v41 == 4
replace unempl = 1 if v41 == 1 | v41 == 2

g incdiff = .
replace incdiff = 0 if v42 == 3 | v42 == 4
replace incdiff = 1 if v42 == 1 | v42 == 2

g jobs = .
replace jobs = 0 if v36 == 3 | v36 == 4
replace jobs = 1 if v36 == 1 | v36 == 2

g female = .
replace female = 0 if v200 == 1
replace female = 1 if v200 == 2
g age = v201
g age2 = age^2
g lowedu = .
replace lowedu = 0 if v205 != .
replace lowedu = 1 if v205 <= 3
g secedu = .
replace secedu = 0 if v205 != .
replace secedu = 1 if v205 == 4 | v205 == 5
g hiedu = .
replace hiedu = 0 if v205 != .
```

```

    replace hiedu = 1 if v205 >= 6 & v205 != .
g edu = .
    replace edu = 0 if lowedu == 1
    replace edu = 1 if secedu == 1
    replace edu = 2 if hiedu == 1
la def edu 0 "primary" 1 "secondary" 2 "tertiary"
la val edu edu

g ptime = .
    replace ptime = 0 if v206 != .
    replace ptime = 1 if v206 == 2
g activeue = .
    replace activeue = 0 if v206 != .
    replace activeue = 1 if v206 == 5
g fulltime = .
    replace fulltime = 0 if v206 != .
    replace fulltime = 1 if v206 == 1
g noactive = .
    replace noactive = 0 if v206 != .
    replace noactive = 1 if v206 != 2 & v206 != 5 & v206 != 1 & v206 != .

g lfstatus = .
    replace lfstatus = 0 if fulltime == 1
    replace lfstatus = 1 if ptime == 1
    replace lfstatus = 2 if activeue == 1
    replace lfstatus = 3 if noactive == 1
la def lfstatus 0 "full-time" 1 "part-time" 2 "unemployed" 3 "not active"
la val lfstatus lfstatus

save temp_ZA2900.dta, replace

use ZA4700.dta, clear

g country = ""
replace country = "Australia" if V3 == 36
replace country = "Canada" if V3 == 124
replace country = "France" if V3 == 250
replace country = "Germany" if V3a == 276
replace country = "Ireland" if V3 == 372
replace country = "Japan" if V3 == 392
replace country = "New Zealand" if V3 == 554
replace country = "Norway" if V3 == 578
replace country = "Spain" if V3 == 724
replace country = "Sweden" if V3 == 752
replace country = "Switzerland" if V3 == 756
replace country = "United Kingdom" if V3a == 826
replace country = "United States" if V3 == 840

drop if country == ""

g year = 2006

g oldcare = .
    replace oldcare = 0 if V28 == 3 | V28 == 4
    replace oldcare = 1 if V28 == 1 | V28 == 2

g unempl = .
    replace unempl = 0 if V30 == 3 | V30 == 4
    replace unempl = 1 if V30 == 1 | V30 == 2

g incdiff = .
    replace incdiff = 0 if V31 == 3 | V31 == 4

```

```

replace incdiff = 1 if V31 == 1 | V31 == 2

g jobs = .
replace jobs = 0 if V25 == 3 | V25 == 4
replace jobs = 1 if V25 == 1 | V25 == 2

g female = .
replace female = 0 if sex == 1
replace female = 1 if sex == 2

g age2 = age^2

g lowedu = .
replace lowedu = 0 if degree != .
replace lowedu = 1 if degree <= 1
g secedu = .
replace secedu = 0 if degree != .
replace secedu = 1 if degree == 2 | degree == 3
g hiedu = .
replace hiedu = 0 if degree != .
replace hiedu = 1 if degree == 4 | degree == 5
g edu = .
replace edu = 0 if lowedu == 1
replace edu = 1 if secedu == 1
replace edu = 2 if hiedu == 1

g ptime = .
replace ptime = 0 if wrkst != .
replace ptime = 1 if wrkst == 2
g activeue = .
replace activeue = 0 if wrkst != .
replace activeue = 1 if wrkst == 5
g fulltime = .
replace fulltime = 0 if wrkst != .
replace fulltime = 1 if wrkst == 1
g noactive = .
replace noactive = 0 if wrkst != .
replace noactive = 1 if wrkst != 2 & wrkst != 5 & wrkst != 1 & wrkst != .

g lfstatus = .
replace lfstatus = 0 if fulltime == 1
replace lfstatus = 1 if ptime == 1
replace lfstatus = 2 if activeue == 1
replace lfstatus = 3 if noactive == 1
la def lfstatus 0 "full-time" 1 "part-time" 2 "unemployed" 3 "not active"
la val lfstatus lfstatus

append using temp_ZA2900.dta

merge m:1 country year using orig_data/L2data.dta, nogen keep(1 3)

erase temp_ZA2900.dta

g stock = foreignpct
g delta_stock = netmigpct
g socexp = socx
g emplrate = emprate

keep $vars

encode country, g(ctry)

```



```

compress
save replication_workfile.dta, replace

clear all
set more off

global covars female age age2 ib(2).edu ib(1).lfstatus

global policy oldcare unempl incdiff jobs

foreach i in $policy {
    logit `i' stock $covars i.year i.ctr, or
        est sto `i'_1
    logit `i' stock socexp $covars i.year i.ctr, or
        est sto `i'_2
    logit `i' stock emplate $covars i.year i.ctr, or
        est sto `i'_3
    logit `i' delta_stock $covars i.year i.ctr, or
        est sto `i'_4
    logit `i' delta_stock socexp $covars i.year i.ctr, or
        est sto `i'_5
    logit `i' delta_stock emplate $covars i.year i.ctr, or
        est sto `i'_6
}

forvalues i = 1/6 {
    if `i' == 1 {
        global newfile replace
        global obs noobs
        global keeping stock
    }
    else if `i' == 2 {
        global newfile append
        global obs noobs
        global keeping stock socexp
    }
    else if `i' == 3 {
        global newfile append
        global obs noobs
        global keeping stock emplate
    }
    else if `i' == 4 {
        global newfile append
        global obs noobs
        global keeping delta_stock
    }
    else if `i' == 5 {
        global newfile append
        global obs noobs
        global keeping delta_stock socexp
    }
    else if `i' == 6 {
        global newfile append
        global obs
        global keeping delta_stock emplate
    }
}
esttab oldcare_`i' unempl_`i' incdiff_`i' jobs_`i' ///
using maintable.txt, $newfile ///
eform star(* 0.05 ** 0.01 *** 0.001) b(3) z(3) keep($keeping_cons) ///
nomtitles nonumbers plain
}

```

Team: 24

Software: MLWin (Stata)

Version: ORIGINAL

```
use "ZA2900.dta", clear

desc, s
keep v1 v2 v3 v36 v39 v41 v42 v200 v201 v205 v206 v325

numlabel _all, add force

recode v36 (1 2=1 "1. Yes") (3 4=0 "0. No"), gen(jobs)
recode v39 (1 2=1 "1. Yes") (3 4=0 "0. No"), gen(old_age)
recode v41 (1 2=1 "1. Yes") (3 4=0 "0. No"), gen(unemp)
recode v42 (1 2=1 "1. Yes") (3 4=0 "0. No"), gen(redist)
recode v200 (1=0 "0. Male") (2=1 "1. Female"), gen(gender)

rename v201 age
gen age2=age^2

recode v205 (1 2 3 4=1 "1. Primary or less") (5 6=2 "2. Secondary") ///
(7=3 "3. University or more"), gen(edu)
recode v206 (1=1 "1. Full-time emp.") (2=2 "2. Part-time emp.") ///
(5=3 "3. Unemployed") (3 4 6 7 8 9 10=4 "4. Not active"), gen(emp)

gen country="" // 2 digit (ISO 3166-2)
replace country = "AU" if v3==1
replace country = "DE" if v3==2 | v3==3
replace country = "GB" if v3==4
replace country = "NIRL" if v3==5 // has no 2 digit ISO code
replace country = "US" if v3==6
replace country = "AT" if v3==7
replace country = "HU" if v3==8
replace country = "IT" if v3==9
replace country = "IE" if v3==10
replace country = "NL" if v3==11
replace country = "NO" if v3==12
replace country = "SE" if v3==13
replace country = "CZ" if v3==14
replace country = "SI" if v3==15
replace country = "PL" if v3==16
replace country = "BG" if v3==17
replace country = "RU" if v3==18
replace country = "NZ" if v3==19
replace country = "CA" if v3==20
replace country = "PH" if v3==21
replace country = "IL" if v3==22
replace country = "PS" if v3==23
replace country = "JP" if v3==24
replace country = "ES" if v3==25
replace country = "LV" if v3==26
replace country = "FR" if v3==27
replace country = "CY" if v3==28
replace country = "CH" if v3==30

rename v325 weight
recast float weight, force // too precise for mlwin
gen year=1996

save "issp.wave1.dta", replace

use "ZA4700.dta", clear
```

```

desc, s
keep V1 version V2 V3 V25 V28 V30 V31 sex age degree wrkst weight
rename V1 V2 V3 V25 V28 V30 V31, lower

numlabel _all, add force

recode v25 (1 2=1 "1. Yes") (3 4=0 "0. No"), gen(jobs)
recode v28 (1 2=1 "1. Yes") (3 4=0 "0. No"), gen(old_age)
recode v30 (1 2=1 "1. Yes") (3 4=0 "0. No"), gen(unemp)
recode v31 (1 2=1 "1. Yes") (3 4=0 "0. No"), gen(redist)

recode sex (1=0 "0. Male") (2=1 "1. Female"), gen(gender)
gen age2=age^2
recode degree (0 1 2=1 "1. Primary or less") (3 4=2 "2. Secondary") ///
    (5=3 "3. University or more"), gen(edu)
recode wrkst (1=1 "1. Full-time emp.") (2=2 "2. Part-time emp.") ///
    (5=3 "3. Unemployed") (3 4 6 7 8 9 10=4 "4. Not active"), gen(emp)

kcountry v3, from(iso3n) to(iso2c)
replace _ISO2C_ = "DE" if (v3==276.10000000000000227 |
    v3==276.19999999999999886) & ///
    _ISO2C_=="
replace _ISO2C_ = "IL" if (v3==376.10000000000000227) & _ISO2C_=="
replace _ISO2C_ = "PS" if (v3==376.19999999999999886) & _ISO2C_=="
replace _ISO2C_ = "GB" if (v3==826.10000000000000227) & _ISO2C_=="
replace _ISO2C_ = "RU" if (v3==643) & _ISO2C_=="
rename _ISO2C_ country

tab v3 country, mis

recast float weight, force // too precise for mlwin

gen year=2006

save "issp.wave2.dta", replace
use "issp.wave2.dta", clear

append using "issp.wave1.dta"

keep v1 v2 v3 age age2 country degree edu emp gender ///
    jobs old_age redist sex unemp weight wrkst year

save "issp.wave1-2.dta", replace
use "issp.wave1-2.dta", clear

use "L2data.dta", clear

kcountry cntry, from(iso3n) to(iso2c)
rename country country_tmp
rename _ISO2C_ country

tab country country_tmp, mis
drop country_tmp cntry

foreach var of varlist netmigpct socx emprate foreignpct {
    rename `var' c_`var'
    recast float c_`var', force
}

merge 1:m country year using "issp.wave1-2.dta",
tab country if _merge==1, mis
tab country if _merge==2, mis

```

```

tab v3 if _merge==1, mis
tab v3 if _merge==2, mis

encode cuntry, gen(cntry)
lab var cntry "Country codes, value labels: ISO 3166 alpha-2 codes"
numlabel cntry, add
fre cntry

aorder
order v1 v2 v3 cntry country

save "issp.merged.dta", replace

global dv1    old_age
global dv2    unemp
global dv3    redist
global dv4    jobs

global ind    age age2 b0.gender b2.edu b1.emp
global wave   b1996.year
global cnt    b1.cntry

global c1     c.c_foreignpct
global c2     c.c_foreignpct c.c_socx
global c3     c.c_foreignpct c.c_emprate
global c4     c.c_netmigpct
global c5     c.c_netmigpct c.c_socx
global c6     c.c_netmigpct c.c_emprate

capture drop sample
mark sample
markout sample $dv1 $dv2 $dv3 $dv4 $ind $year c_emprate c_foreignpct c_netmigpct
c_socx
replace sample=0 if !inlist(cntry,1,3,4,8,11,13,14,17,20,24,25,31,34)
table cntry year if sample, c(count sample)

gen cons=1

foreach var of varlist $dv1 $dv2 $dv3 $dv4 {
    eststo logit_m1`var': logit `var' $c1 $wave $cnt $ind if sample, or
    eststo logit_m2`var': logit `var' $c2 $wave $cnt $ind if sample, or
    eststo logit_m3`var': logit `var' $c3 $wave $cnt $ind if sample, or
    eststo logit_m4`var': logit `var' $c4 $wave $cnt $ind if sample, or
    eststo logit_m5`var': logit `var' $c5 $wave $cnt $ind if sample, or
    eststo logit_m6`var': logit `var' $c6 $wave $cnt $ind if sample, or
}

esttab logit_m1old_age logit_m1unemp logit_m1redist logit_m1jobs
    ///
    logit_m2old_age logit_m2unemp logit_m2redist logit_m2jobs
    ///
    logit_m3old_age logit_m3unemp logit_m3redist logit_m3jobs
    ///
    logit_m4old_age logit_m4unemp logit_m4redist logit_m4jobs
    ///
    logit_m5old_age logit_m5unemp logit_m5redist logit_m5jobs
    ///
    logit_m6old_age logit_m6unemp logit_m6redist logit_m6jobs
    ///
using "${results}logit.table_$$_DATE.txt", eform
    ///
    stats(N, fmt(%18.0g) label("N persons" ))
    ///

```

```

c(b(fmt(3) star label(OR)) z(fmt(3))) stardetach
///
order(c_foreignpct c_socx c_emprate c_netmigpct)
///
coeflabels(c_foreignpct "Immigrant Stock (%)"
///
c_socx "Social Welfare Expenditures (% of GDP)"
///
c_emprate "Employment Rate (% in LF)"
///
c_netmigpct "Change in Immigrant Stock (1-year, in %)"
///
age "Age" age2 "Age squared" 1.gender "Gender (1=female)"
///
1.edu "Primary or less" 3.edu "University or more"
///
2.emp "Part-time emp." 3.emp "Unemployed" 4.emp "Not active"
///
_cons "Constant")
///
drop(0.* 2.edu 1.emp *cntry *year)
///
refcat(c_foreignpct "COUNTRY-LEVEL VARIABLES" age "INDIVIDUAL-LEVEL VARIABLES"
///
3.edu "Secondary (Ref.)" 2.emp "Full-time emp. (Ref.)", label(" "))
///
mtitles("Old age care" "Unemployment" "Reduce income differences" "Jobs for
everyone"
///
"Old age care" "Unemployment" "Reduce income differences" "Jobs
for everyone"
///
"Old age care" "Unemployment" "Reduce income differences" "Jobs
for everyone"
///
"Old age care" "Unemployment" "Reduce income differences" "Jobs
for everyone"
///
"Old age care" "Unemployment" "Reduce income differences" "Jobs
for everyone") ///
varwidth(30) modelwidth(10)
///
addnote("Source: ISSP 1996, 2006. Country and year fixed effects included." "Z-
statistics below the odds ratios. * p<0.05, ** p<0.01, *** p<0.001.") ///
tit(Table 1. Single level logit models predicting support for governmental
policies (unweighted)) ///
tab replace

```

Team: 25
Software: Stata
Version: ORIGINAL

```
use ZA2900.dta, clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
  (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
  (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
  "Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
  "Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
  "Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
  "Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
  "Great Britain" 840 "United States"
label values v3a cntrylbl

recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
lab var govj "rovide jobs for everyone"
lab var dgovj "rovide jobs for everyone"

recode v38 v39 v40 v41 v42-v45 (1=4) (2=3) (3=2) (4=1), ///
  gen(govhcare govretire indgrow govunemp govincdiff govstudents govhousing
  lawsenv)
recode govhcare govretire indgrow govunemp govincdiff govstudents govhousing lawsenv
  (1/2=0) (3/4=1), ///
  gen(dhcare dgovretire dindgrow dgovunemp dgovincdiff dgovstud dgovhous
  dlawsenv)

rename v201 age
gen agesq=age*age
recode v200 (1=0) (2=1), gen(female)

rename v202 marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode v203 (2=0), gen(partner)

rename v273 hhsize

recode v274 (2/4 10 12 14 16 18 20 22 24 26=1) (6/8=1) (nonmiss=0), gen(kidshh)

recode v275 (3=1) (nonmiss=0), gen(rural)
recode v275 (2=1) (nonmiss=0), gen(suburb)
rename v324 ETHNIC
rename v204 edyears
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
  Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)
rename v208 isco
rename v209 occ2
rename v215 hourswrk
```

```

recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptime)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=v213==1
replace selfemp=. if v206==.
gen pubemp=(v212==1 | v212==2)
replace pubemp=. if v206==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if v206==.

rename v218 faminc

set more off
gen inczscore=.
levelsof v3, local(cntries)
foreach centryval of local(cntries) {
    zscore faminc if v3==`centryval', listwise
    replace inczscore=z_faminc if v3==`centryval'
    drop z_faminc
}

recode v222 (2=0), gen(union)
rename v223 party
recode v220 (1/2=1) (nonmiss=0), gen(highrel)
recode v220 (3/5=1) (nonmiss=0), gen(lowrel)
recode v220 (6=1) (nonmiss=0), gen(norel)
rename v220 religion

gen year=1996
gen yr2006=0

rename v3a cntry
rename v325 wgths

save "ISSP96recode.dta", replace

use "ZA4700.dta", clear

recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)
recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)
recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)
recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

gen agesq=age*age

recode sex (1=0) (2=1), gen(female)
rename marital marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

```

```

recode cohab (2=0), gen(partner)

rename hompop hhsize

recode hhcycle (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 29 {
    replace kidshh=1 if hhcycle==`i'
    local i = `i' + 2
}

recode urbrural (1/3=0) (4/5=1), gen(rural)
recode urbrural (2/3=1) (nonmiss=0), gen(suburb)

rename educyrs edyears
rename degree edcat
recode edcat (0=1), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
    Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename wrkst empstat
rename ISCO88 isco // see pg 137 in codebook
rename wrkhrs hourswrk

recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptemp)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=wrktype==4
replace selfemp=. if empstat==.
gen pubemp=(wrktype==1 | wrktype==2)
replace pubemp=. if empstat==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if empstat==.

set more off
gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
    FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
    PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
    zscore `incvar', listwise
    replace inczscore=z_`incvar' if z_`incvar'!=.
    drop z_`incvar'
}

rename union UNION
recode UNION (2/3=0), gen(union)
rename PARTY_LR party
recode attend (1/3=1) (nonmiss=0), gen(highrel)
recode attend (4/7=1) (nonmiss=0), gen(lowrel)
recode attend (8=1) (nonmiss=0), gen(norel)
rename attend religion

rename V3a cntry
rename weight wghts
gen year=2006

```



```

gen yr2006=1

gen mail=mode==34

save "ISSP06recode.dta", replace

append using "ISSP96recode.dta"
sort cntry year
merge m:1 cntry year using "BradyFinnigan2014CountryData.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
  (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
  (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)
save "ISSP9606.dta", replace

use ISSP9606.dta, clear

ren (dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare) (Jobs      Unemp
      IncomeDif      Old      House Health)

global depvars "Jobs      Unemp IncomeDif      Old      House Health"
global controls "age agesq female nevermar divorced widow hhsiz kidshh rural suburb
  lesshs univ ptemp unemp nolabor selfemp pubemp inczscore highrel lowrel year"
global cntryvars "foreignpct netmigpct cforborn socx socdem liberal emprate assim
  diffex multi"

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)
keep if allcontrols
keep if orig13

quietly tab cntry, gen(cntryfe)

eststo t4j1: logit Jobs foreignpct $controls , clu(cntry)
eststo t4u1: logit Unemp foreignpct $controls , clu(cntry)
eststo t4i1: logit IncomeDif foreignpct $controls , clu(cntry)
eststo t4o1: logit Old foreignpct $controls , clu(cntry)
eststo t4hs1: logit House foreignpct $controls , clu(cntry)
eststo t4hlth1: logit Health foreignpct $controls , clu(cntry)

eststo t4j2: logit Jobs foreignpct socx $controls , clu(cntry)
eststo t4u2: logit Unemp foreignpct socx $controls , clu(cntry)
eststo t4i2: logit IncomeDif foreignpct socx $controls , clu(cntry)
eststo t4o2: logit Old foreignpct socx $controls , clu(cntry)
eststo t4hs2: logit House foreignpct socx $controls , clu(cntry)
eststo t4hlth2: logit Health foreignpct socx $controls , clu(cntry)

eststo t4j3: logit Jobs foreignpct emprate $controls , clu(cntry)
eststo t4u3: logit Unemp foreignpct emprate $controls , clu(cntry)
eststo t4i3: logit IncomeDif foreignpct emprate $controls , clu(cntry)
eststo t4o3: logit Old foreignpct emprate $controls , clu(cntry)
eststo t4hs3: logit House foreignpct emprate $controls , clu(cntry)
eststo t4hlth3: logit Health foreignpct emprate $controls , clu(cntry)

eststo to4j1: logit Jobs foreignpct $controls cntryfe*
eststo to4u1: logit Unemp foreignpct $controls cntryfe*
eststo to4i1: logit IncomeDif foreignpct $controls cntryfe*
eststo to4o1: logit Old foreignpct $controls cntryfe*
eststo to4hs1: logit House foreignpct $controls cntryfe*
eststo to4hlth1: logit Health foreignpct $controls cntryfe*

eststo to4j2: logit Jobs foreignpct socx $controls cntryfe*
eststo to4u2: logit Unemp foreignpct socx $controls cntryfe*

```

```

eststo to4i2: logit IncomeDif foreignpct socx $controls centryfe*
eststo to4o2: logit Old foreignpct socx $controls centryfe*
eststo to4hs2: logit House foreignpct socx $controls centryfe*
eststo to4hlth2: logit Health foreignpct socx $controls centryfe*

eststo to4j3: logit Jobs foreignpct emprate $controls centryfe*
eststo to4u3: logit Unemp foreignpct emprate $controls centryfe*
eststo to4i3: logit IncomeDif foreignpct emprate $controls centryfe*
eststo to4o3: logit Old foreignpct emprate $controls centryfe*
eststo to4hs3: logit House foreignpct emprate $controls centryfe*
eststo to4hlth3: logit Health foreignpct emprate $controls centryfe*

esttab t4* using Table4.csv, cells(b(fmt(a3) star) z(fmt(2) par)) stats(N N_clust)
    eform nodep compress const ///
    postfoot("`"' `"'Exponentiated coefficients; z statistics in
    parentheses"' `"'@starlegend"'') csv noisily replace

eststo t5j1: logit Jobs netmigpct $controls , clu(centry)
eststo t5u1: logit Unemp netmigpct $controls , clu(centry)
eststo t5i1: logit IncomeDif netmigpct $controls , clu(centry)
eststo t5o1: logit Old netmigpct $controls , clu(centry)
eststo t5hs1: logit House netmigpct $controls , clu(centry)
eststo t5hlth1: logit Health netmigpct $controls , clu(centry)

eststo t5j2: logit Jobs netmigpct socx $controls , clu(centry)
eststo t5u2: logit Unemp netmigpct socx $controls , clu(centry)
eststo t5i2: logit IncomeDif netmigpct socx $controls , clu(centry)
eststo t5o2: logit Old netmigpct socx $controls , clu(centry)
eststo t5hs2: logit House netmigpct socx $controls , clu(centry)
eststo t5hlth2: logit Health netmigpct socx $controls , clu(centry)

eststo t5j3: logit Jobs netmigpct emprate $controls , clu(centry)
eststo t5u3: logit Unemp netmigpct emprate $controls , clu(centry)
eststo t5i3: logit IncomeDif netmigpct emprate $controls , clu(centry)
eststo t5o3: logit Old netmigpct emprate $controls , clu(centry)
eststo t5hs3: logit House netmigpct emprate $controls , clu(centry)
eststo t5hlth3: logit Health netmigpct emprate $controls , clu(centry)

eststo t5j4: logit Jobs netmigpct foreignpct $controls , clu(centry)
eststo t5u4: logit Unemp netmigpct foreignpct $controls , clu(centry)
eststo t5i4: logit IncomeDif netmigpct foreignpct $controls , clu(centry)
eststo t5o4: logit Old netmigpct foreignpct $controls , clu(centry)
eststo t5hs4: logit House netmigpct foreignpct $controls , clu(centry)
eststo t5hlth4: logit Health netmigpct foreignpct $controls , clu(centry)

eststo to5j1: logit Jobs netmigpct $controls centryfe*
eststo to5u1: logit Unemp netmigpct $controls centryfe*
eststo to5i1: logit IncomeDif netmigpct $controls centryfe*
eststo to5o1: logit Old netmigpct $controls centryfe*
eststo to5hs1: logit House netmigpct $controls centryfe*
eststo to5hlth1: logit Health netmigpct $controls centryfe*

eststo to5j2: logit Jobs netmigpct socx $controls centryfe*
eststo to5u2: logit Unemp netmigpct socx $controls centryfe*
eststo to5i2: logit IncomeDif netmigpct socx $controls centryfe*
eststo to5o2: logit Old netmigpct socx $controls centryfe*
eststo to5hs2: logit House netmigpct socx $controls centryfe*
eststo to5hlth2: logit Health netmigpct socx $controls centryfe*

eststo to5j3: logit Jobs netmigpct emprate $controls centryfe*
eststo to5u3: logit Unemp netmigpct emprate $controls centryfe*
eststo to5i3: logit IncomeDif netmigpct emprate $controls centryfe*
eststo to5o3: logit Old netmigpct emprate $controls centryfe*

```

```

eststo to5hs3: logit House netmigpct emprate $controls centryfe*
eststo to5hlth3: logit Health netmigpct emprate $controls centryfe*

eststo to5j4: logit Jobs netmigpct foreignpct $controls centryfe*
eststo to5u4: logit Unemp netmigpct foreignpct $controls centryfe*
eststo to5i4: logit IncomeDif netmigpct foreignpct $controls centryfe*
eststo to5o4: logit Old netmigpct foreignpct $controls centryfe*
eststo to5hs4: logit House netmigpct foreignpct $controls centryfe*
eststo to5hlth4: logit Health netmigpct foreignpct $controls centryfe*

esttab t5* using Table5.csv, cells(b(fmt(a3) star) z(fmt(2) par)) stats(N N_clust)
    eform nodep compress const ///
        postfoot(`"' `'"Exponentiated coefficients; z statistics in
parentheses"' `'"@starlegend"'') csv noisily replace

```

Team: 25

Software: Stata

Version: CURATED

```

use ZA2900.dta, clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
(14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
(24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
"Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
"Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
"Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
"Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
"Great Britain" 840 "United States"
label values v3a cntrylbl

recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
lab var govj "rovide jobs for everyone"
lab var dgovj "rovide jobs for everyone"

recode v38 v39 v40 v41 v42-v45 (1=4) (2=3) (3=2) (4=1), ///
    gen(govhcare govretire indgrow govunemp govincdiff govstudents govhousing
lawsenv)
recode govhcare govretire indgrow govunemp govincdiff govstudents govhousing lawsenv
(1/2=0) (3/4=1), ///
    gen(dhcare dgovretire dindgrow dgovunemp dgovincdiff dgovstud dgovhous
dlawsenv)

rename v201 age
gen agesq=age*age
recode v200 (1=0) (2=1), gen(female)

rename v202 marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode v203 (2=0), gen(partner)

rename v273 hhsize

recode v274 (2/4 10 12 14 16 18 20 22 24 26=1) (6/8=1) (nonmiss=0), gen(kidshh)

recode v275 (3=1) (nonmiss=0), gen(rural)

```

```

recode v275 (2=1) (nonmiss=0), gen(suburb)
rename v324 ETHNIC
rename v204 edyears
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
  Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)
rename v208 isco
rename v209 occ2
rename v215 hourswrk

recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptime)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=v213==1
replace selfemp=. if v206==.
gen pubemp=(v212==1 | v212==2)
replace pubemp=. if v206==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if v206==.

rename v218 faminc

set more off
gen inczscore=.
levelsof v3, local(cntries)
foreach cntryval of local cntries {
  zscore faminc if v3==`cntryval', listwise
  replace inczscore=z_faminc if v3==`cntryval'
  drop z_faminc
}

recode v222 (2=0), gen(union)
rename v223 party
recode v220 (1/2=1) (nonmiss=0), gen(highrel)
recode v220 (3/5=1) (nonmiss=0), gen(lowrel)
recode v220 (6=1) (nonmiss=0), gen(norel)
rename v220 religion

gen year=1996
gen yr2006=0

rename v3a cntry
rename v325 wghts

save "ISSP96recode.dta", replace

use "ZA4700.dta", clear

recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)
recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)

```

```

recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)
recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)
recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

gen agesq=age*age

recode sex (1=0) (2=1), gen(female)
rename marital marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode cohab (2=0), gen(partner)

rename hompop hhsize

recode hhcycle (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 29 {
    replace kidshh=1 if hhcycle==`i'
    local i = `i' + 2
}

recode urbrural (1/3=0) (4/5=1), gen(rural)
recode urbrural (2/3=1) (nonmiss=0), gen(suburb)

rename educyrs edyears
rename degree edcat
recode edcat (0=1), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename wrkst empstat
rename ISCO88 isco // see pg 137 in codebook
rename wrkhrs hourswrk

recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptime)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=wrktype==4
replace selfemp=. if empstat==.
gen pubemp=(wrktype==1 | wrktype==2)
replace pubemp=. if empstat==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if empstat==.

set more off
gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
    FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
    PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
    zscore `incvar', listwise

```

```

    replace inczscore=z_`incvar' if z_`incvar'!=.
    drop z_`incvar'
}

rename union UNION
recode UNION (2/3=0), gen(union)
rename PARTY_LR party
recode attend (1/3=1) (nonmiss=0), gen(highrel)
recode attend (4/7=1) (nonmiss=0), gen(lowrel)
recode attend (8=1) (nonmiss=0), gen(norel)
rename attend religion

rename V3a cntry
rename weight wghts
gen year=2006
gen yr2006=1

gen mail=mode==34

save "ISSP06recode.dta", replace

append using "ISSP96recode.dta"
sort cntry year
merge m:1 cntry year using "BradyFinnigan2014CountryData.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
    (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
    (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)
save "ISSP9606.dta", replace

use ISSP9606.dta, clear

ren (dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare) (Jobs      Unemp
    IncomeDif      Old      House Health)

global depvars "Jobs      Unemp IncomeDif      Old      House Health"
global controls "age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
    yr2006"
global cntryvars "foreignpct netmigpct cforborn socx socdem liberal emprate assim
    diffex multi"

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)
keep if allcontrols
keep if orig13

quietly tab cntry, gen(cntryfe)

eststo to411: logit Jobs foreignpct $controls cntryfe*
eststo to412: logit Unemp foreignpct $controls cntryfe*
eststo to413: logit IncomeDif foreignpct $controls cntryfe*
eststo to414: logit Old foreignpct $controls cntryfe*
eststo to415: logit House foreignpct $controls cntryfe*
eststo to416: logit Health foreignpct $controls cntryfe*

eststo to421: logit Jobs foreignpct socx $controls cntryfe*
eststo to422: logit Unemp foreignpct socx $controls cntryfe*
eststo to423: logit IncomeDif foreignpct socx $controls cntryfe*
eststo to424: logit Old foreignpct socx $controls cntryfe*
eststo to425: logit House foreignpct socx $controls cntryfe*
eststo to426: logit Health foreignpct socx $controls cntryfe*

eststo to431: logit Jobs foreignpct emprate $controls cntryfe*

```

```

eststo to432: logit Unemp foreignpct emprate $controls centryfe*
eststo to433: logit IncomeDif foreignpct emprate $controls centryfe*
eststo to434: logit Old foreignpct emprate $controls centryfe*
eststo to435: logit House foreignpct emprate $controls centryfe*
eststo to436: logit Health foreignpct emprate $controls centryfe*

esttab to4* using Table4.csv, cells(b(fmt(a3) star) z(fmt(2) par)) stats(N N_clust)
    eform nodep compress const ///
        postfoot(`"' `'"Exponentiated coefficients; z statistics in
parentheses"' `'"@starlegend"'') csv noisily replace

eststo t511: logit Jobs netmigpct $controls
eststo t512: logit Unemp netmigpct $controls
eststo t513: logit IncomeDif netmigpct $controls
eststo t514: logit Old netmigpct $controls
eststo t515: logit House netmigpct $controls
eststo t516: logit Health netmigpct $controls

eststo t521: logit Jobs netmigpct socx $controls
eststo t522: logit Unemp netmigpct socx $controls
eststo t523: logit IncomeDif netmigpct socx $controls
eststo t524: logit Old netmigpct socx $controls
eststo t525: logit House netmigpct socx $controls
eststo t526: logit Health netmigpct socx $controls

eststo t531: logit Jobs netmigpct emprate $controls
eststo t532: logit Unemp netmigpct emprate $controls
eststo t533: logit IncomeDif netmigpct emprate $controls
eststo t534: logit Old netmigpct emprate $controls
eststo t535: logit House netmigpct emprate $controls
eststo t536: logit Health netmigpct emprate $controls

eststo t541: logit Jobs netmigpct foreignpct $controls
eststo t542: logit Unemp netmigpct foreignpct $controls
eststo t543: logit IncomeDif netmigpct foreignpct $controls
eststo t544: logit Old netmigpct foreignpct $controls
eststo t545: logit House netmigpct foreignpct $controls
eststo t546: logit Health netmigpct foreignpct $controls

esttab t5* using Table5.csv, cells(b(fmt(a3) star) z(fmt(2) par)) stats(N N_clust)
    eform nodep compress const ///
        postfoot(`"' `'"Exponentiated coefficients; z statistics in
parentheses"' `'"@starlegend"'') csv noisily replace

```

Team: 26
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

decode v3, gen(temp)

gen V3a = .
replace V3a = 36      if temp == "aus"
replace V3a = 2761   if temp == "D-W"
replace V3a = 2762   if temp == "D-E"
replace V3a = 826    if temp == "gb"
replace V3a = 840    if temp == "usa"
replace V3a = 348    if temp == "h"
replace V3a = 380    if temp == "i"
replace V3a = 372    if temp == "irl"
replace V3a = 578    if temp == "n"
replace V3a = 752    if temp == "s"
replace V3a = 203    if temp == "cz"
replace V3a = 705    if temp == "slo"
replace V3a = 616    if temp == "pl"
replace V3a = 100    if temp == "bg"
replace V3a = 643    if temp == "rus"
replace V3a = 554    if temp == "nz"
replace V3a = 124    if temp == "cdn"
replace V3a = 608    if temp == "rp"
replace V3a = 3761   if temp == "IL-J"
replace V3a = 3762   if temp == "IL-A"
replace V3a = 392    if temp == "j"
replace V3a = 724    if temp == "e"
replace V3a = 428    if temp == "lv"
replace V3a = 250    if temp == "f"
replace V3a = 196    if temp == "cy"
replace V3a = 756    if temp == "ch"

gen oldagecare = v39
gen unemp = v41
gen redincdif = v42
gen jobs = v36

gen female = v200-1
gen age = v201

gen education = .
replace education = 1 if v205 == 1 & v204==97
replace education =1 if v205 == 2 | v205 == 3 //primary or below education
replace education =2 if v205 == 4 | v205 == 5 | v205 == 6 //secondary
replace education = 3 if v205 == 7 //University

gen empstatus = .
replace empstatus = 1 if v206 == 1 //Full
replace empstatus =2 if v206 == 2 | v206 == 3 //part time
replace empstatus =3 if v206 == 4 | v206 == 6 | v206 == 7 | v206 == 8 | v206 == 9 |
    v206 == 10 //not active
replace empstatus = 4 if v206 == 5 //Unem

_crcslbl1 oldagecare v39
_crcslbl1 unemp v41
_crcslbl1 redincdif v42
_crcslbl1 jobs v36
_crcslbl1 female v200
```



```

_crcslbl age v201

label define emplabel 1 "Full-time" 2 "Part-time" 3 "not-active" 4 "Unemployed"
label values empstatus emplabel

label define educlab 1 "Primary or Below" 2 "Completed Secondary" 3 "University +"
label values education educlab

keep V3a oldagecare unemp redincdif jobs female age education empstatus weight

gen year= 1996

save "ZA2900_clean.dta", replace

use "ZA4700.dta", clear

gen oldagecare = V28
gen unemp = V30
gen redincdif = V31
gen jobs = V25

gen female = sex-1

gen education = .
replace education = 1 if degree == 0 | degree == 1
replace education = 2 if degree == 2 | degree == 3 | degree == 4
replace education = 3 if degree == 5

gen empstatus = .
replace empstatus = 1 if wrkst == 1 //Full
replace empstatus = 2 if wrkst == 2 | wrkst == 3 //part time
replace empstatus = 3 if wrkst == 4 | wrkst == 6 | wrkst == 7 | wrkst == 8 | wrkst ==
  9 | wrkst == 10 //not active
replace empstatus = 4 if wrkst == 5 //Unem

keep V3a oldagecare unemp redincdif jobs female age education empstatus weight

gen year = 2006

save "ZA4700_clean.dta", replace

use "data/L2data.dta", clear
drop if emprate == .
drop if socx == .

save "data/L2data_clean.dta", replace

use "data/ZA2900_clean.dta", clear
append using "data/ZA4700_clean.dta"

recode V3a (2761 = 276) (2762 = 276)

foreach var of varlist oldagecare unemp redincdif jobs {
  recode `var' (2 = 1) (3 = 0) (4 = 0)
}

gen age2 = age*age

save "ISSP_clean.dta", replace

use "ISSP_clean.dta", clear

rename V3a centry

```

```

merge m:1 cntry year using "L2data_clean.dta"
keep if _merge == 3
drop _merge

drop if country == "Denmark" | country == "Finland" | country == "Netherlands" |
country == "Portugal" //these countries don't have data for both years

save "CleanData.dta", replace

use "CleanData.dta", clear

estimates clear
foreach var of varlist oldage unemp redinc jobs {
    qui eststo: logit `var' foreignpct i.female age age2 ib2.education ib1.empstatus
    i.cntry i.year, or robust
}

foreach var of varlist oldage unemp redinc jobs {
    qui eststo: logit `var' foreignpct socx i.female age age2 ib2.education
    ib1.empstatus i.cntry i.year, or robust
}

foreach var of varlist oldage unemp redinc jobs {
    qui eststo: logit `var' foreignpct emprate i.female age age2 ib2.education
    ib1.empstatus i.cntry i.year, or robust
}

foreach var of varlist oldage unemp redinc jobs {
    qui eststo: logit `var' netmigpct i.female age age2 ib2.education ib1.empstatus
    i.cntry i.year, or robust
}

foreach var of varlist oldage unemp redinc jobs {
    qui eststo: logit `var' netmigpct socx i.female age age2 ib2.education ib1.empstatus
    i.cntry i.year, or robust
}

foreach var of varlist oldage unemp redinc jobs {
    qui eststo: logit `var' netmigpct emprate i.female age age2 ib2.education
    ib1.empstatus i.cntry i.year, or robust
}

esttab est* using "results_table.csv", ///
transform(exp(@) exp(@)) keep(foreignpct socx emprate netmigpct 1.female age age2
1.education 3.education 2.empstatus 3.empstatus 4.empstatus _cons) ///
label replace nogaps

```

Team: 27
Software: SPSS
Version: ORIGINAL

```
recode V3 (1=1) (2=15) (3=15) (6=51) (8=17) (10=19) (11=29) (12=33) (13=45) (14=7)
  (16=35) (18=39) (19=31) (20=3) (22=21) (23=21) (24=23) (25=43) (26=27) (27=13)
  (30=47) (36=2) (124=4) (191=6) (203=8) (208=10) (246=12) (250=14) (276=16) (348=18)
  (372=20) (376=22) (392=24) (410=26) (428=28) (528=30) (554=32) (578=34) (616=36)
  (620=38) (643=40) (705=42) (724=44) (752=46) (756=48) (826=50) (840=52) into nr.
```

```
recode V39 (1=1) (2=1) (3=0) (4=0) into OldAgeCare.
recode V41 (1=1) (2=1) (3=0) (4=0) into Unemployed.
recode V42 (1=1) (2=1) (3=0) (4=0) into ReduceIncomeDifferences.
recode V36 (1=1) (2=1) (3=0) (4=0) into Jobs.
```

```
recode Female (1=0) (2=1).
compute AgeSquared = Age*Age.
recode Education (0=1) (1=1) (2=1) (3=1) (4=3) (5=3) (6=2) (7=2).
recode Employment (1=4) (2=1) (3=1) (4=3) (5=2) (6=3) (7=2) (8=3) (9=2) (10=2).
```

```
recode year (1996=0) (2006=1).
recode Australia (1=0) (0=1).
recode Canada (1=0) (0=1).
recode France (1=0) (0=1).
recode Hungary (1=0) (0=1).
recode Ireland (1=0) (0=1).
recode Japan (1=0) (0=1).
recode NewZealand (1=0) (0=1).
recode Norway (1=0) (0=1).
recode Poland (1=0) (0=1).
recode Spain (1=0) (0=1).
recode Sweden (1=0) (0=1).
recode Switzerland (1=0) (0=1).
recode UnitedStates (1=0) (0=1).
```

```
(1).
NOMREG OldAgeCare (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
  Australia Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
  UnitedStates WITH
    ImmigrantStock Age AgeSquared
  /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
  PCONVERGE(0.000001)
    SINGULAR(0.00000001)
  /MODEL
  /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
  REMOVALMETHOD(LR)
  /INTERCEPT=INCLUDE
  /PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
```

```
(2).
NOMREG Unemployed (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
  Australia Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
  UnitedStates WITH
    ImmigrantStock Age AgeSquared
  /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
  PCONVERGE(0.000001)
    SINGULAR(0.00000001)
  /MODEL
  /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
  REMOVALMETHOD(LR)
```

```

/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(3).
NOMREG ReduceIncomeDifferences (BASE=FIRST ORDER=ASCENDING) BY Female Education
Employment year
    Australia Canada France Hungary Ireland Japan NewZealand Norway Poland Spain
    Sweden Switzerland
    UnitedStates WITH ImmigrantStock Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(4).
NOMREG Jobs (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year Australia
Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
    UnitedStates WITH
    ImmigrantStock Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(5).
NOMREG OldAgeCare (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
Australia Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
    UnitedStates WITH
    ImmigrantStock SocialWelfareExpenditures Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(6).
NOMREG Unemployed (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
Australia Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
    UnitedStates WITH
    ImmigrantStock SocialWelfareExpenditures Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(7).
NOMREG ReduceIncomeDifferences (BASE=FIRST ORDER=ASCENDING) BY Female Education
Employment year
    Australia Canada France Hungary Ireland Japan NewZealand Norway Poland Spain
    Sweden Switzerland

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    UnitedStates WITH ImmigrantStock SocialWelfareExpenditures Age AgeSquared
    /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
    PCONVERGE(0.000001)
    SINGULAR(0.00000001)
    /MODEL
    /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
    REMOVALMETHOD(LR)
    /INTERCEPT=INCLUDE
    /PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(8).
NOMREG Jobs (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year Australia
Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
    UnitedStates WITH
    ImmigrantStock SocialWelfareExpenditures Age AgeSquared
    /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
    PCONVERGE(0.000001)
    SINGULAR(0.00000001)
    /MODEL
    /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
    REMOVALMETHOD(LR)
    /INTERCEPT=INCLUDE
    /PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(9).
NOMREG OldAgeCare (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
Australia Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
    UnitedStates WITH
    ImmigrantStock EmploymentRate Age AgeSquared
    /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
    PCONVERGE(0.000001)
    SINGULAR(0.00000001)
    /MODEL
    /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
    REMOVALMETHOD(LR)
    /INTERCEPT=INCLUDE
    /PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(10).
NOMREG Unemployed (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
Australia Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
    UnitedStates WITH
    ImmigrantStock EmploymentRate Age AgeSquared
    /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
    PCONVERGE(0.000001)
    SINGULAR(0.00000001)
    /MODEL
    /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
    REMOVALMETHOD(LR)
    /INTERCEPT=INCLUDE
    /PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(11).
NOMREG ReduceIncomeDifferences (BASE=FIRST ORDER=ASCENDING) BY Female Education
Employment year
    Australia Canada France Hungary Ireland Japan NewZealand Norway Poland Spain
    Sweden Switzerland
    UnitedStates WITH ImmigrantStock EmploymentRate Age AgeSquared
    /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
    PCONVERGE(0.000001)
    SINGULAR(0.00000001)
    /MODEL
    /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
    REMOVALMETHOD(LR)

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/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(12).
NOMREG Jobs (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year Australia
Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
    UnitedStates WITH
    ImmigrantStock EmploymentRate Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(13).
NOMREG OldAgeCare (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
Australia Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
    UnitedStates WITH
    ChangeinImmigrantStock Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(14).
NOMREG Unemployed (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
Australia Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
    UnitedStates WITH
    ChangeinImmigrantStock Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(15).
NOMREG ReduceIncomeDifferences (BASE=FIRST ORDER=ASCENDING) BY Female Education
Employment year
    Australia Canada France Hungary Ireland Japan NewZealand Norway Poland Spain
    Sweden Switzerland
    UnitedStates WITH ChangeinImmigrantStock Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(16).
NOMREG Jobs (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year Australia
Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
    UnitedStates WITH

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    ChangeinImmigrantStock Age AgeSquared
  /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
  /MODEL
  /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
  /INTERCEPT=INCLUDE
  /PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(17).
NOMREG OldAgeCare (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
Australia Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
UnitedStates WITH
    SocialWelfareExpenditures ChangeinImmigrantStock Age AgeSquared
  /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
  /MODEL
  /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
  /INTERCEPT=INCLUDE
  /PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(18).
NOMREG Unemployed (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
Australia Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
UnitedStates WITH
    SocialWelfareExpenditures ChangeinImmigrantStock Age AgeSquared
  /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
  /MODEL
  /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
  /INTERCEPT=INCLUDE
  /PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(19).
NOMREG ReduceIncomeDifferences (BASE=FIRST ORDER=ASCENDING) BY Female Education
Employment year
    Australia Canada France Hungary Ireland Japan NewZealand Norway Poland Spain
Sweden Switzerland
    UnitedStates WITH SocialWelfareExpenditures ChangeinImmigrantStock Age AgeSquared
  /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
  /MODEL
  /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
  /INTERCEPT=INCLUDE
  /PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(20).
NOMREG Jobs (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year Australia
Canada
    France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
UnitedStates WITH
    SocialWelfareExpenditures ChangeinImmigrantStock Age AgeSquared
  /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
  /MODEL
  /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)

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/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(21).
NOMREG OldAgeCare (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
Australia Canada
France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
UnitedStates WITH
EmploymentRate ChangeinImmigrantStock Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(22).
NOMREG Unemployed (BASE=FIRST ORDER=ASCENDING) BY Female Education Employment year
Australia Canada
France Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
UnitedStates WITH
EmploymentRate ChangeinImmigrantStock Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(23).
NOMREG ReduceIncomeDifferences (BASE=FIRST ORDER=ASCENDING) BY Female Education
Employment year
Australia Canada France Hungary Ireland Japan NewZealand Norway Poland Spain
Sweden Switzerland
UnitedStates WITH EmploymentRate ChangeinImmigrantStock Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.
(24).
NOMREG Jobs (BASE=LAST ORDER=ASCENDING) BY Female Education Employment year Australia
Canada France
Hungary Ireland Japan NewZealand Norway Poland Spain Sweden Switzerland
UnitedStates WITH
EmploymentRate ChangeinImmigrantStock Age AgeSquared
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=PARAMETER SUMMARY LRT CPS STEP MFI.

```


Team: 28
Software: Stata
Version: ORIGINAL

```
version 14.0

use "ZA2900.dta" , clear
gen jobs=v36
recode jobs 1=1 2=1 3=0 4=0
gen elderly=v39
recode elderly 1=1 2=1 3=0 4=0
gen unemployed=v41
recode unemployed 1=1 2=1 3=0 4=0
gen income=v42
recode income 1=1 2=1 3=0 4=0

gen female=v200
recode female 1=0 2=1
ren v201 age
mcenter age
gen C_age2= C_age*C_age

gen educ=v205
recode educ 1=1 2=1 3=1 4=1 5=0 6=0 7=2

gen empstat=v206
recode empstat 1=0 2=1 3=1 4=1 6=2 7=2 8=2 9=2 10=2 5=3
lab def empstat 0 "full time" 1 "part time" 2 "not ctive" 3 "unemployed"
lab var empstat empstat

gen cntry=.
replace cntry=36 if v3==1
replace cntry=2761 if v3==2
replace cntry=2762 if v3==3
replace cntry=8261 if v3==4
replace cntry=840 if v3==6
replace cntry=348 if v3==8
replace cntry=372 if v3==10
replace cntry=578 if v3==12
replace cntry=752 if v3==13
replace cntry=203 if v3==14
replace cntry=705 if v3==15
replace cntry=616 if v3==16
replace cntry=643 if v3==18
replace cntry=554 if v3==19
replace cntry=124 if v3==20
replace cntry=608 if v3==21
replace cntry=3761 if v3==22
replace cntry=3762 if v3==23
replace cntry=392 if v3==24
replace cntry=724 if v3==25
replace cntry=428 if v3==26
replace cntry=250 if v3==27
replace cntry=756 if v3==30

drop if v3==8
drop if v3==9
drop if v3==14
drop if v3==15
drop if v3==16
drop if v3==17
drop if v3==18
```

```

drop if v3==21
drop if v3==24
drop if v3==26
drop if v3==28

label define cntrylabel 36 "AU-Australia" 2761 "DE-W" 2762 "DE-E" 8261 "GB" 840 "US-
  United States" 348 "HU-Hungary" 372 "IE-Ireland" 578 "NO-Norway" 752 "SE-Sweden" 203
  "CZ-Czech Republic" ///
705 "SI-Slovenia" 616 "PL-Poland" 643 "RU-Russia" 554 "NZ-New Zealand" 124 "CA-Canada"
  3761 "IL-J" 3762 "IL-A" 392 "JP-Japan" 724 "ES-Spain" 428 "LV-Latvia" 250 "FR-France"
  756 "CH-Switzerland" ///
608 "Phillipines"
lab val cntry cntrylabel

ren v1 V1
ren v2 V2

drop v206 v205 v200 v42 v41 v39 v36 v3

gen year=1996
save "ZA1996_selected_f.dta" , replace

use "ZA4700.dta" , clear

gen jobs=V25
recode jobs 1=1 2=1 3=0 4=0
gen elderly=V28
recode elderly 1=1 2=1 3=0 4=0
gen unemployed=V30
recode unemployed 1=1 2=1 3=0 4=0
gen income=V31
recode income 1=1 2=1 3=0 4=0

gen female=sex
recode female 1=0 2=1
mcenter age
gen C_age2= C_age*C_age
gen educ=degree
recode educ 0=1 1=1 2=1 3=0 4=0 5=2 // note:
  incomplete secondary is with secondary. semi higher incpl. uni. is with uni. this is
  not clear from the text
lab def educ 1 "primary or less" 0 "secondary" 2 "university"
lab var educ educ

gen empstat=wrkst
recode empstat 1=0 2=1 3=1 4=1 6=2 7=2 8=2 9=2 10=2 5=3
lab def empstat 0 "full time" 1 "part time" 2 "not ctive" 3 "unemployed"
lab var empstat empstat

gen cntry=V3
replace cntry=2761 if V3==276.1
replace cntry=2762 if V3==276.2
replace cntry=8261 if V3==826.1
replace cntry=3761 if V3==376.1
replace cntry=3762 if V3==376.2

drop if V3==152
drop if V3==158
drop if V3==191
drop if V3==203
drop if V3==208
drop if V3==214
drop if V3==246

```

```

drop if V3==348
drop if V3==392
drop if V3==410
drop if V3==428
drop if V3==528
drop if V3==608
drop if V3==616
drop if V3==620
drop if V3==643
drop if V3==705
drop if V3==710
drop if V3==858
drop if V3==862

drop wrkst degree sex V31 V30 V28 V25 version V3a
gen year=2006
save "DZA2006_selected_f.dta", replace

append using "ZA1996_selected_f.dta"

recode cntry "2761"="276" "2762"="276"
recode cntry "3761"="376" "3762"="376"
recode cntry "8261"="826"

save "ZA19962006.dta", replace

use "ZA19962006.dta" , clear
sort cntry year
save "ZA19962006.dta", replace

use "L2data.dta", clear
mcenter emprate
mcenter foreignpct
mcenter socx
mcenter netmigpct

drop if cntry==152
drop if cntry==158
drop if cntry==191
drop if cntry==203
drop if cntry==208
drop if cntry==214
drop if cntry==246
drop if cntry==348
drop if cntry==392
drop if cntry==410
drop if cntry==428
drop if cntry==528
drop if cntry==608
drop if cntry==616
drop if cntry==620
drop if cntry==643
drop if cntry==705
drop if cntry==710
drop if cntry==858
drop if cntry==862

sort cntry year
save "L2data.dta", replace
use "ZA19962006.dta" , clear
merge m:1 cntry year using "L2data.dta"
tab _merge

```

```

drop _merge
save "workingdata.dta", replace

version 14.0

logistic elderly      c.C_foreignpctl i.female c.C_age c.C_age2 i.educ i.empstat
    i.year i.cntry, vce (robust)
logistic unemployed  c.C_foreignpctl i.female c.C_age c.C_age2 i.educ i.empstat
    i.year i.cntry, vce (robust)
logistic income      c.C_foreignpctl i.female c.C_age c.C_age2 i.educ i.empstat
    i.year i.cntry, vce (robust)
logistic jobs        c.C_foreignpctl i.female c.C_age c.C_age2 i.educ i.empstat
    i.year i.cntry, vce (robust)

logistic elderly      c.C_foreignpctl c.C_socx1 i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic unemployed  c.C_foreignpctl c.C_socx1 i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic income      c.C_foreignpctl c.C_socx1 i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust) logistic jobs        c.C_foreignpctl
    c.C_socx1 i.female c.C_age c.C_age2 i.educ i.empstat i.year i.cntry, vce (robust)

logistic elderly      c.C_foreignpctl c.C_empratel i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic unemployed  c.C_foreignpctl c.C_empratel i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic income      c.C_foreignpctl c.C_empratel i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic jobs        c.C_foreignpctl c.C_empratel i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)

logistic elderly      c.C_netmigpctl i.female c.C_age c.C_age2 i.educ i.empstat
    i.year i.cntry, vce (robust)
logistic unemployed  c.C_netmigpctl i.female c.C_age c.C_age2 i.educ i.empstat
    i.year i.cntry, vce (robust)
logistic income      c.C_netmigpctl i.female c.C_age c.C_age2 i.educ i.empstat
    i.year i.cntry, vce (robust)
logistic jobs        c.C_netmigpctl i.female c.C_age c.C_age2 i.educ i.empstat
    i.year i.cntry, vce (robust)

logistic elderly      c.C_socx1 c.C_netmigpctl i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic unemployed  c.C_socx1 c.C_netmigpctl i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic income      c.C_socx1 c.C_netmigpctl i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic jobs        c.C_socx1 c.C_netmigpctl i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)

logistic elderly      c.C_empratel c.C_netmigpctl i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic unemployed  c.C_empratel c.C_netmigpctl i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic income      c.C_empratel c.C_netmigpctl i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)
logistic jobs        c.C_empratel c.C_netmigpctl i.female c.C_age c.C_age2 i.educ
    i.empstat i.year i.cntry, vce (robust)

```

Team: 29
Software: SPSS
Version: ORIGINAL

```
DATASET ACTIVATE DataSet1.
FILTER OFF.
USE ALL.
SELECT IF (v3 = 1 OR v3 = 2 OR v3 = 3 OR v3 = 4 OR v3 = 20 OR v3 = 27 OR v3 = 10 OR v3
  = 24 OR v3 =
    19 OR v3 = 12 OR v3 = 25 OR v3 = 13 OR v3 = 30 OR v3 = 6).
EXECUTE.

RECODE v3 (2 thru 3=2).
EXECUTE.

Recode v3 (1=36) (2=276) (4=826) (6=840) (10=372) (12=578) (13=752) (19=554) (20=124)
  (24=392) (25=724)
  (27=250) (30=756) into v3a.
EXECUTE.

VALUE LABELS
v3a
36 'Australia'
276 'Germany'
826 'Great Britain'
840 'United States'
372 'Ireland'
578 'Norway'
752 'Sweden'
554 'New Zealand'
124 'Canada'
392 'Israel'
724 'Spain'
250 'France'
756 'Switzerland'.
Execute.

RECODE v36 v38 v39 v41 v42 v44 (MISSING=SYSMIS) (1 thru 2=1) (3 thru 4=0) INTO jobs
  healthcare
  retirement unemployment income housing.
EXECUTE.

RENAME VARIABLES (V201 = Age).

COMPUTE Age2=Age * Age.
EXECUTE.

RECODE v200 (MISSING=SYSMIS) (2=1) (1=0) INTO Female.
EXECUTE.

RECODE v205 (MISSING=SYSMIS) (1 thru 4=1) (ELSE=0) INTO Lessthansecondary.
EXECUTE.

RECODE v205 (MISSING=SYSMIS) (7=1) (ELSE=0) INTO University.
EXECUTE.

RECODE v206 (MISSING=SYSMIS) (2 thru 4=1) (ELSE=0) INTO parttime.
EXECUTE.

RECODE v206 (MISSING=SYSMIS) (5=1) (ELSE=0) INTO unemployed.
EXECUTE.
```

```

RECODE v206 (MISSING=SYSMIS) (6 thru 10=1) (ELSE=0) INTO nolabor.
EXECUTE.

RECODE v213 (1=1) (ELSE=0) INTO selfemp.
EXECUTE.

IF (MISSING(v206)) selfemp=$SYSMIS.
EXECUTE.

SORT CASES BY v3.
SPLIT FILE SEPARATE BY v3.

DESCRIPTIVES VARIABLES=v218
  /SAVE
  /STATISTICS=MEAN STDDEV MIN MAX.

SPLIT FILE OFF.

RENAME VARIABLES (Zv218 = relativeincome).

SAVE OUTFILE='C:\Users\u0110527\Desktop\Replication\ISSP 1996 limited.sav'
  /DROP=v2 v4 v5 v6 v7 v8 v9 v10 v11 v12 v13 v14 v15 v16 v17 v18 v19 v20 v21 v22 v23
  v24 v25 v26 v27 v28 v29 v30 v31 v32 v33 v34 v35 v36 v37 v38 v39 v40 v41 v42 v43 v44
  v45 v46 v47 v48 v49 v50 v51 v52 v53 v54 v55 v56 v57 v58 v59 v60 v61 v62 v63 v64 v65
  v66 v67 v68 v202 v203 v204 v205 v207 v208 v209 v210 v211 v214 v215 v216 v217 v219
  v220 v221 v222 v223 v224 v225 v226 v227 v228 v229 v230 v231 v232 v233 v234 v235 v236
  v237 v238 v239 v240 v241 v242 v243 v244 v245 v246 v247 v248 v249 v250 v251 v252 v253
  v254 v255 v256 v257 v258 v259 v260 v261 v262 v263 v264 v265 v266 v267 v268 v269 v270
  v271 v272 v274 v275 v276 v277 v278 v279 v280 v281 v282 v283 v284 v285 v286 v287 v288
  v289 v290 v291 v292 v293 v294 v295 v296 v297 v298 v299 v300 v301 v302 v303 v304 v305
  v306 v307 v308 v309 v310 v311 v312 v313 v314 v315 v316 v317 v318 v319 v320 v321 v322
  v323 v324 v325
  /COMPRESSED.

FILTER OFF.
USE ALL.
SELECT IF (V3a = 36 OR V3a = 124 OR V3a = 250 OR V3a = 372 OR V3a = 392 OR V3a = 554
  OR V3a = 578
  OR V3a = 724 OR V3a = 752 OR V3a = 756 OR V3a = 840 OR V3a = 276 OR V3a = 826).
EXECUTE.

RECODE v25 v27 v28 v30 v31 v33 (MISSING=SYSMIS) (1 thru 2=1) (3 thru 4=0) INTO jobs
  healthcare
  retirement unemployment income housing.
EXECUTE.

COMPUTE Age2=Age * Age.
EXECUTE.

RECODE sex (MISSING=SYSMIS) (2=1) (1=0) INTO Female.
EXECUTE.

RECODE degree (MISSING=SYSMIS) (0 thru 2=1) (ELSE=0) INTO Lessthansecondary.
EXECUTE.

RECODE degree (MISSING=SYSMIS) (5=1) (ELSE=0) INTO University.
EXECUTE.

RECODE wrkst (MISSING=SYSMIS) (2 thru 4=1) (ELSE=0) INTO parttime.

```

```

EXECUTE.

RECODE wrkst (MISSING=SYSMIS) (5=1) (ELSE=0) INTO unemployed.
EXECUTE.

RECODE wrkst (MISSING=SYSMIS) (6 thru 10=1) (ELSE=0) INTO nolabor.
EXECUTE.

RECODE wrktype (4=1) (ELSE=0) INTO selfemp.
EXECUTE.

IF (MISSING(wrkst)) selfemp=$SYSMIS.
EXECUTE.

DESCRIPTIVES VARIABLES=AU_INC CA_INC CH_INC DE_INC ES_INC FR_INC
  GB_INC IE_INC JP_INC NO_INC NZ_INC SE_INC US_INC
  /SAVE
  /STATISTICS=MEAN STDDEV MIN MAX.

IF (SYSMIS(ZAU_INC) ~= 1) relativeincome=ZAU_INC.
IF (SYSMIS(ZCA_INC) ~= 1) relativeincome=ZCA_INC.
IF (SYSMIS(ZCH_INC) ~= 1) relativeincome=ZCH_INC.
IF (SYSMIS(ZDE_INC) ~= 1) relativeincome=ZDE_INC.
IF (SYSMIS(ZES_INC) ~= 1) relativeincome=ZES_INC.
IF (SYSMIS(ZFR_INC) ~= 1) relativeincome=ZFR_INC.
IF (SYSMIS(ZGB_INC) ~= 1) relativeincome=ZGB_INC.
IF (SYSMIS(ZIE_INC) ~= 1) relativeincome=ZIE_INC.
IF (SYSMIS(ZJP_INC) ~= 1) relativeincome=ZJP_INC.
IF (SYSMIS(ZNO_INC) ~= 1) relativeincome=ZNO_INC.
IF (SYSMIS(ZNZ_INC) ~= 1) relativeincome=ZNZ_INC.
IF (SYSMIS(ZSE_INC) ~= 1) relativeincome=ZSE_INC.
IF (SYSMIS(ZUS_INC) ~= 1) relativeincome=ZUS_INC.
EXECUTE.

SAVE OUTFILE='C:\Users\u0110527\Desktop\Replication\ISSP 2006 limited.sav'
  /DROP=version V2 V3 V4 V5 V6 V7 V8 V9 V10 V11 V12 V13 V14 V15 V16 V17 V18 V19 V20
  V21 V22 V23 V24 V25 V26 V27 V28 V29 V30 V31 V32 V33 V34 V35 V36 V37 V38 V39 V40 V41
  V42 V43 V44 V45 V46 V47 V48 V49 V50 V51 V52 V53 V54 V55 V56 V57 V58 V59 V60 V61 V62
  V63 marital cohab educyrs AU_DEGR CA_DEGR CH_DEGR CL_DEGR CZ_DEGR DE_DEGR DK_DEGR
  DO_DEGR ES_DEGR FI_DEGR FR_DEGR GB_DEGR HR_DEGR HU_DEGR IE_DEGR IL_DEGR JP_DEGR
  KR_DEGR LV_DEGR NL_DEGR NO_DEGR NZ_DEGR PH_DEGR PL_DEGR PT_DEGR RU_DEGR SE_DEGR
  SI_DEGR TW_DEGR US_DEGR UY_DEGR VE_DEGR ZA_DEGR wrkhrs ISCO88 wrksup nemploy union
  spwrkst SPISCO88 spwrktyp AU_RINC CA_RINC CH_RINC CL_RINC CZ_RINC DE_RINC DK_RINC
  DO_RINC ES_RINC FI_RINC FR_RINC GB_RINC HR_RINC HU_RINC IE_RINC IL_RINC JP_RINC
  KR_RINC LV_RINC NL_RINC NO_RINC NZ_RINC PH_RINC PL_RINC PT_RINC RU_RINC SE_RINC
  SI_RINC TW_RINC US_RINC UY_RINC VE_RINC ZA_RINC AU_INC CA_INC CH_INC CL_INC CZ_INC
  DE_INC DK_INC DO_INC ES_INC FI_INC FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC
  KR_INC LV_INC NL_INC NO_INC NZ_INC PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC
  US_INC UY_INC VE_INC ZA_INC hhcycle PARTY_LR AU_PRTY CA_PRTY CH_PRTY CL_PRTY CZ_PRTY
  DE_PRTY DK_PRTY DO_PRTY ES_PRTY FI_PRTY FR_PRTY GB_PRTY HR_PRTY HU_PRTY IE_PRTY
  IL_PRTY JP_PRTY KR_PRTY LV_PRTY NL_PRTY NO_PRTY NZ_PRTY PH_PRTY PL_PRTY PT_PRTY
  RU_PRTY SE_PRTY SI_PRTY TW_PRTY US_PRTY UY_PRTY VE_PRTY ZA_PRTY VOTE_LE relig
  religgrp attend topbot AU_REG CA_REG CH_REG CL_REG CZ_REG DE_REG DK_REG DO_REG ES_REG
  FI_REG FR_REG GB_REG HR_REG HU_REG IE_REG IL_REG JP_REG KR_REG LV_REG NL_REG NO_REG
  NZ_REG PH_REG PL_REG PT_REG RU_REG SE_REG SI_REG TW_REG US_REG UY_REG VE_REG ZA_REG
  AU_SIZE CA_SIZE CH_SIZE CL_SIZE CZ_SIZE DE_SIZE DK_SIZE DO_SIZE ES_SIZE FI_SIZE
  FR_SIZE GB_SIZE HR_SIZE HU_SIZE IE_SIZE IL_SIZE JP_SIZE KR_SIZE LV_SIZE NL_SIZE
  NO_SIZE NZ_SIZE PH_SIZE PL_SIZE PT_SIZE RU_SIZE SE_SIZE SI_SIZE TW_SIZE US_SIZE
  UY_SIZE VE_SIZE ZA_SIZE urbrural ethnic mode
  /COMPRESSED.

DATASET ACTIVATE DataSet9.

```

```
ADD FILES /FILE=*  
/FILE='DataSet8'.  
EXECUTE.
```

```
SAVE OUTFILE='ISSP merged.sav'  
/COMPRESSED.
```

```
IF (V1 = 2900 AND V3a = 36) foreign=21.3.  
IF (V1 = 4700 AND V3a = 36) foreign=21.3.  
IF (V1 = 2900 AND V3a = 124) foreign=17.2.  
IF (V1 = 4700 AND V3a = 124) foreign=19.5.  
IF (V1 = 2900 AND V3a = 250) foreign=10.5.  
IF (V1 = 4700 AND V3a = 250) foreign=10.6.  
IF (V1 = 2900 AND V3a = 276) foreign=11.  
IF (V1 = 4700 AND V3a = 276) foreign=12.9.  
IF (V1 = 2900 AND V3a = 372) foreign=7.3.  
IF (V1 = 4700 AND V3a = 372) foreign=14.8.  
IF (V1 = 2900 AND V3a = 392) foreign=1.086.  
IF (V1 = 4700 AND V3a = 392) foreign=1.564.  
IF (V1 = 2900 AND V3a = 554) foreign=16.2.  
IF (V1 = 4700 AND V3a = 554) foreign=20.7.  
IF (V1 = 2900 AND V3a = 578) foreign=5.4.  
IF (V1 = 4700 AND V3a = 578) foreign=8.  
IF (V1 = 2900 AND V3a = 724) foreign=2.6.  
IF (V1 = 4700 AND V3a = 724) foreign=10.6.  
IF (V1 = 2900 AND V3a = 752) foreign=10.3.  
IF (V1 = 4700 AND V3a = 752) foreign=12.3.  
IF (V1 = 2900 AND V3a = 756) foreign=20.9.  
IF (V1 = 4700 AND V3a = 756) foreign=22.3.  
IF (V1 = 2900 AND V3a = 826) foreign=7.2.  
IF (V1 = 4700 AND V3a = 826) foreign=9.7.  
IF (V1 = 2900 AND V3a = 840) foreign=10.7.  
IF (V1 = 4700 AND V3a = 840) foreign=13.3.  
EXECUTE.
```

```
IF (V1 = 2900 AND V3a = 36) netmigration=1.294909.  
IF (V1 = 4700 AND V3a = 36) netmigration=3.144091.  
IF (V1 = 2900 AND V3a = 124) netmigration=2.189593.  
IF (V1 = 4700 AND V3a = 124) netmigration=3.334562.  
IF (V1 = 2900 AND V3a = 250) netmigration=0.4139686.  
IF (V1 = 4700 AND V3a = 250) netmigration=1.249477.  
IF (V1 = 2900 AND V3a = 276) netmigration=3.244507.  
IF (V1 = 4700 AND V3a = 276) netmigration=1.127769.  
IF (V1 = 2900 AND V3a = 372) netmigration=-0.0345817.  
IF (V1 = 4700 AND V3a = 372) netmigration=5.522926.  
IF (V1 = 2900 AND V3a = 392) netmigration=0.3772075.  
IF (V1 = 4700 AND V3a = 392) netmigration=0.0641849.  
IF (V1 = 2900 AND V3a = 554) netmigration=3.883378.  
IF (V1 = 4700 AND V3a = 554) netmigration=2.480079.  
IF (V1 = 2900 AND V3a = 578) netmigration=0.9734175.  
IF (V1 = 4700 AND V3a = 578) netmigration=1.825211.  
IF (V1 = 2900 AND V3a = 724) netmigration=0.8216873.  
IF (V1 = 4700 AND V3a = 724) netmigration=5.769343.  
IF (V1 = 2900 AND V3a = 752) netmigration=1.707225.  
IF (V1 = 4700 AND V3a = 752) netmigration=2.063754.  
IF (V1 = 2900 AND V3a = 756) netmigration=3.222483.  
IF (V1 = 4700 AND V3a = 756) netmigration=2.690054.  
IF (V1 = 2900 AND V3a = 826) netmigration=0.2884381.  
IF (V1 = 4700 AND V3a = 826) netmigration=1.573429.  
IF (V1 = 2900 AND V3a = 840) netmigration=2.465555.  
IF (V1 = 4700 AND V3a = 840) netmigration=1.919101.  
EXECUTE.
```



```

IF (V1 = 2900 AND V3a = 36) socexpen=16.6.
IF (V1 = 4700 AND V3a = 36) socexpen=17.1.
IF (V1 = 2900 AND V3a = 124) socexpen=18.
IF (V1 = 4700 AND V3a = 124) socexpen=16.4.
IF (V1 = 2900 AND V3a = 250) socexpen=28.8.
IF (V1 = 4700 AND V3a = 250) socexpen=29.1.
IF (V1 = 2900 AND V3a = 276) socexpen=27.
IF (V1 = 4700 AND V3a = 276) socexpen=26.7.
IF (V1 = 2900 AND V3a = 372) socexpen=14.7.
IF (V1 = 4700 AND V3a = 372) socexpen=16.7.
IF (V1 = 2900 AND V3a = 392) socexpen=14.5.
IF (V1 = 4700 AND V3a = 392) socexpen=18.5.
IF (V1 = 2900 AND V3a = 554) socexpen=18.9.
IF (V1 = 4700 AND V3a = 554) socexpen=18.5.
IF (V1 = 2900 AND V3a = 578) socexpen=22.5.
IF (V1 = 4700 AND V3a = 578) socexpen=21.6.
IF (V1 = 2900 AND V3a = 724) socexpen=21.3.
IF (V1 = 4700 AND V3a = 724) socexpen=21.2.
IF (V1 = 2900 AND V3a = 752) socexpen=31.6.
IF (V1 = 4700 AND V3a = 752) socexpen=29.4.
IF (V1 = 2900 AND V3a = 756) socexpen=18.
IF (V1 = 4700 AND V3a = 756) socexpen=20.2.
IF (V1 = 2900 AND V3a = 826) socexpen=19.9.
IF (V1 = 4700 AND V3a = 826) socexpen=21.2.
IF (V1 = 2900 AND V3a = 840) socexpen=15.1.
IF (V1 = 4700 AND V3a = 840) socexpen=15.9.
EXECUTE.

```

```

IF (V1 = 2900 AND V3a = 36) employ=68.38308.
IF (V1 = 4700 AND V3a = 36) employ=72.97336.
IF (V1 = 2900 AND V3a = 124) employ=66.95101.
IF (V1 = 4700 AND V3a = 124) employ=72.6968.
IF (V1 = 2900 AND V3a = 250) employ=58.16968.
IF (V1 = 4700 AND V3a = 250) employ=61.84714.
IF (V1 = 2900 AND V3a = 276) employ=64.15186.
IF (V1 = 4700 AND V3a = 276) employ=67.40676.
IF (V1 = 2900 AND V3a = 372) employ=56.061.
IF (V1 = 4700 AND V3a = 372) employ=69.33929.
IF (V1 = 2900 AND V3a = 392) employ=74.41402.
IF (V1 = 4700 AND V3a = 392) employ=76.22028.
IF (V1 = 2900 AND V3a = 554) employ=71.75603.
IF (V1 = 4700 AND V3a = 554) employ=76.01437.
IF (V1 = 2900 AND V3a = 578) employ=74.37257.
IF (V1 = 4700 AND V3a = 578) employ=76.38436.
IF (V1 = 2900 AND V3a = 724) employ=47.5752.
IF (V1 = 4700 AND V3a = 724) employ=64.84596.
IF (V1 = 2900 AND V3a = 752) employ=70.34079.
IF (V1 = 4700 AND V3a = 752) employ=72.93346.
IF (V1 = 2900 AND V3a = 756) employ=82.60143.
IF (V1 = 4700 AND V3a = 756) employ=84.54134.
IF (V1 = 2900 AND V3a = 826) employ=68.31567.
IF (V1 = 4700 AND V3a = 826) employ=70.2231.
IF (V1 = 2900 AND V3a = 840) employ=71.77013.
IF (V1 = 4700 AND V3a = 840) employ=71.92974.
EXECUTE.

```

*dummies country and time.

```

RECODE V1 (4700=1) (MISSING=SYSMIS) (ELSE=0) INTO dummie2006.
EXECUTE.

```

```

RECODE V3a (MISSING=SYSMIS) (36=1) (ELSE=0) INTO Australia.

```

```

EXECUTE.

RECODE V3a (MISSING=SYSMIS) (124=1) (ELSE=0) INTO Canada.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (250=1) (ELSE=0) INTO France.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (276=1) (ELSE=0) INTO Germany.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (372=1) (ELSE=0) INTO Ireland.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (392=1) (ELSE=0) INTO Japan.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (554=1) (ELSE=0) INTO NewZealand.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (578=1) (ELSE=0) INTO Norway.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (724=1) (ELSE=0) INTO Spain.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (752=1) (ELSE=0) INTO Sweden.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (756=1) (ELSE=0) INTO Switzerland.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (826=1) (ELSE=0) INTO UnitedKingdom.
EXECUTE.

RECODE V3a (MISSING=SYSMIS) (840=1) (ELSE=0) INTO UnitedStates.
EXECUTE.


descr age age2 female lessthansecondary university parttime unemployed nolabor
selfemp relativeincome foreign socexpen employ.
descr jobs unemployment income retirement housing healthcare.

descr all.

DATASET ACTIVATE DataSet2.

LOGISTIC REGRESSION VARIABLES jobs
  /METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
  nolabor
  selfemp relativeincome foreign dummie2006 Australia Canada France Germany Ireland
  Japan
  NewZealand Norway Spain Sweden Switzerland UnitedKingdom
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES unemployment
  /METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
  nolabor
  selfemp relativeincome foreign dummie2006 Australia Canada France Germany Ireland
  Japan
  NewZealand Norway Spain Sweden Switzerland UnitedKingdom
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

```

```

LOGISTIC REGRESSION VARIABLES income
  /METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
  nolabor
  selfemp relativeincome foreign dummie2006 Australia Canada France Germany Ireland
  Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES retirement
  /METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
  nolabor
  selfemp relativeincome foreign dummie2006 Australia Canada France Germany Ireland
  Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES housing
  /METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
  nolabor
  selfemp relativeincome foreign dummie2006 Australia Canada France Germany Ireland
  Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES healthcare
  /METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
  nolabor
  selfemp relativeincome foreign dummie2006 Australia Canada France Germany Ireland
  Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES jobs
  /METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
  nolabor
  selfemp relativeincome foreign socexpen dummie2006 Australia Canada France Germany
  Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES unemployment
  /METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
  nolabor
  selfemp relativeincome foreign socexpen dummie2006 Australia Canada France Germany
  Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES income
  /METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
  nolabor
  selfemp relativeincome foreign socexpen dummie2006 Australia Canada France Germany
  Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES retirement
  /METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
  nolabor
  selfemp relativeincome foreign socexpen dummie2006 Australia Canada France Germany
  Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

```

```
LOGISTIC REGRESSION VARIABLES housing
/METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
nolabor
selfemp relativeincome foreign socexpen dummie2006 Australia Canada France Germany
Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES healthcare
/METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
nolabor
selfemp relativeincome foreign socexpen dummie2006 Australia Canada France Germany
Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES jobs
/METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
nolabor
selfemp relativeincome foreign employ dummie2006 Australia Canada France Germany
Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES unemployment
/METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
nolabor
selfemp relativeincome foreign employ dummie2006 Australia Canada France Germany
Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES income
/METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
nolabor
selfemp relativeincome foreign employ dummie2006 Australia Canada France Germany
Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES retirement
/METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
nolabor
selfemp relativeincome foreign employ dummie2006 Australia Canada France Germany
Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES housing
/METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
nolabor
selfemp relativeincome foreign employ dummie2006 Australia Canada France Germany
Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES healthcare
/METHOD=ENTER age age2 female lessthansecondary university parttime unemployed
nolabor
selfemp relativeincome foreign employ dummie2006 Australia Canada France Germany
Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
```

```

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES jobs
/METHOD=ENTER netmigration age age2 female lessthansecondary university parttime
unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES unemployment
/METHOD=ENTER netmigration age age2 female lessthansecondary university parttime
unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES income
/METHOD=ENTER netmigration age age2 female lessthansecondary university parttime
unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES retirement
/METHOD=ENTER netmigration age age2 female lessthansecondary university parttime
unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES housing
/METHOD=ENTER netmigration age age2 female lessthansecondary university parttime
unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES healthcare
/METHOD=ENTER netmigration age age2 female lessthansecondary university parttime
unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES jobs
/METHOD=ENTER netmigration socexpen age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES unemployment
/METHOD=ENTER netmigration socexpen age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES income
/METHOD=ENTER netmigration socexpen age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom

```

```

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES retirement
/METHOD=ENTER netmigration socexpen age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

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parttime unemployed nolabor
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/METHOD=ENTER netmigration socexpen age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
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/METHOD=ENTER netmigration employ age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES unemployment
/METHOD=ENTER netmigration employ age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES income
/METHOD=ENTER netmigration employ age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES retirement
/METHOD=ENTER netmigration employ age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES housing
/METHOD=ENTER netmigration employ age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES healthcare
/METHOD=ENTER netmigration employ age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom

```

```

/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES jobs
/METHOD=ENTER netmigration foreign age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES unemployment
/METHOD=ENTER netmigration foreign age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES income
/METHOD=ENTER netmigration foreign age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES retirement
/METHOD=ENTER netmigration foreign age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES housing
/METHOD=ENTER netmigration foreign age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES healthcare
/METHOD=ENTER netmigration foreign age age2 female lessthansecondary university
parttime unemployed nolabor
selfemp relativeincome dummie2006 Australia Canada France Germany Ireland Japan
NewZealand Norway Spain Sweden Switzerland UnitedKingdom
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

```

Team: 30
Software: Stata
Version: ORIGINAL

```
version 14.0
set more off

use ZA2900.dta , clear
gen year = 1996

recode v39 (8 9=.) (1 2=1) (2 3 4 =0), gen(outc_old)
recode v41 (8 9=.) (1 2=1) (2 3 4 =0), gen(outc_unemp)
recode v42 (8 9=.) (1 2=1) (2 3 4 =0), gen(outc_incdiff)
recode v36 (8 9=.) (1 2=1) (2 3 4 =0), gen(outc_jobs)

recode v200 (2=1) (1=0), gen(female)
rename v201 age
gen age_sq = age * age

recode v205 (1/4=0) (5 6=1) (7=2), gen(education)
lab def education 0 "Primary or less" 1 "Secondary" 2 "University"
lab values education education

recode v206 (1=3) (2=0) (3=1) (4=1) (5=2) (6/10=1), gen(employ)
lab def employ 0 "Part time" 1 "Not active" 2 "Active unemployed" 3 "Full time"
lab values employ employ

gen centry =.
replace centry = 36 if v3 == 1 /* Australia 36 */
replace centry = 276 if v3 == 2 /* West Germany */
replace centry = 276 if v3 == 3 /* East Germany */
replace centry = 124 if v3 == 20 /* Canada 124 */
replace centry = 250 if v3 == 27 /* France */
replace centry = 372 if v3 == 10 /* Ireland */
replace centry = 392 if v3 == 24 /* Japan */
replace centry = 554 if v3 == 19 /* New Zealand */
replace centry = 578 if v3 == 12 /* Norway */
replace centry = 724 if v3 == 25 /* Spain */
replace centry = 752 if v3 == 13 /* Sweden */
replace centry = 756 if v3 == 30 /* Switzerland */
replace centry = 826 if v3 == 4 /* Great Britain */
replace centry = 840 if v3 == 6 /* US */
drop if centry==. /* keep the relevant 13 countries */

save ISSP_1996.dta , replace

use ZA4700.dta , clear
gen year = 2006

recode V28 (8 9=.) (1 2=1) (2 3 4 =0), gen(outc_old)
recode V30 (8 9=.) (1 2=1) (2 3 4 =0), gen(outc_unemp)
recode V31 (8 9=.) (1 2=1) (2 3 4 =0), gen(outc_incdiff)
recode V25 (8 9=.) (1 2=1) (2 3 4 =0), gen(outc_jobs)

recode sex (2=1) (1=0), gen(female)
gen age_sq = age * age

recode degree (0 1 2=0) (3 4=1) (5=2), gen(education)
lab def education 0 "Primary or less" 1 "Secondary" 2 "University"
lab values education education

recode wrkst (1=3) (2=0) (3=1) (4=1) (5=2) (6/10=1), gen(employ)
```



```

lab def employ 0 "Part time" 1 "Not active" 2 "Active unemployed" 3 "Full time"
lab values employ employ

rename V3 cntry
keep if ///
    cntry == 36 | ///
    cntry == 276 | ///
    cntry == 124 | ///
    cntry == 250 | ///
    cntry == 372 | ///
    cntry == 392 | ///
    cntry == 554 | ///
    cntry == 578 | ///
    cntry == 724 | ///
    cntry == 752 | ///
    cntry == 756 | ///
    cntry == 826 | ///
    cntry == 840

append using ISSP_1996.dta
save ISSP.dta , replace

use L2data.dta , clear

egen miss = rowmiss(foreignpct netmigpct socx emprate)
keep if miss==0
drop miss
bysort cntry: keep if _N==2
merge 1:m cntry year using ISSP.dta
    assert _merge!=2
    drop if _merge==1

bysort year: summarize year cntry female age age_sq education employ foreignpct
    netmigpct emprate socx outc_old outc_unemp outc_incdiff outc_jobs

egen miss = rowmiss (year cntry female age age_sq education employ foreignpct
    netmigpct emprate socx outc_old outc_unemp outc_incdiff outc_jobs)
keep if miss==0

global indctrls = "female c.age c.age_sq ib1.education ib3.employ"
global twowayfe = "i.year i.cntry"

gen byte constant = 1

logit outc_old foreignpct $indctrls $twowayfe constant, or nocons
    est sto m1

qui logit outc_unemp foreignpct $indctrls $twowayfe constant, or nocons
    est sto m2

qui logit outc_incdiff foreignpct $indctrls $twowayfe constant, or nocons
    est sto m3

qui logit outc_jobs foreignpct $indctrls $twowayfe constant, or nocons
    est sto m4

qui logit outc_old foreignpct socx $indctrls $twowayfe constant, or nocons
    est sto m5

qui logit outc_unemp foreignpct socx $indctrls $twowayfe constant, or nocons
    est sto m6

```

```

qui logit outc_incdiff foreignpct socx $indctrls $twowayfe constant, or nocons
    est sto m7

qui logit outc_jobs foreignpct socx $indctrls $twowayfe constant, or nocons
    est sto m8

qui logit outc_old foreignpct emprate $indctrls $twowayfe constant, or nocons
    est sto m9

qui logit outc_unemp foreignpct emprate $indctrls $twowayfe constant, or nocons
    est sto m10

qui logit outc_incdiff foreignpct emprate $indctrls $twowayfe constant, or nocons
    est sto m11

qui logit outc_jobs foreignpct emprate $indctrls $twowayfe constant, or nocons
    est sto m12

qui logit outc_old netmigpct $indctrls $twowayfe constant, or nocons
    est sto m13

qui logit outc_unemp netmigpct $indctrls $twowayfe constant, or nocons
    est sto m14

qui logit outc_incdiff netmigpct $indctrls $twowayfe constant, or nocons
    est sto m15

qui logit outc_jobs netmigpct $indctrls $twowayfe constant, or nocons
    est sto m16

qui logit outc_old netmigpct socx $indctrls $twowayfe constant, or nocons
    est sto m17

qui logit outc_unemp netmigpct socx $indctrls $twowayfe constant, or nocons
    est sto m18

qui logit outc_incdiff netmigpct socx $indctrls $twowayfe constant, or nocons
    est sto m19

qui logit outc_jobs netmigpct socx $indctrls $twowayfe constant, or nocons
    est sto m20

qui logit outc_old netmigpct emprate $indctrls $twowayfe constant, or nocons
    est sto m21

qui logit outc_unemp netmigpct emprate $indctrls $twowayfe constant, or nocons
    est sto m22

qui logit outc_incdiff netmigpct emprate $indctrls $twowayfe constant, or nocons
    est sto m23

qui logit outc_jobs netmigpct emprate $indctrls $twowayfe constant, or
    est sto m24

esttab m1 m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 m13 m14 m15 m16 m17 m18 m19 m20 m21 m22
m23 m24 ///
using exactrep.csv ///
, eform star z mtitles nonumbers plain replace ///
order(foreignpct socx emprate netmigpct constant) keep(foreignpct netmigpct emprate
socx constant)

```

Team: 31
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta"

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
      (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
      (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 208 "Denmark" 246 "Finland" 250
      "France" 276 "Germany" 372 "Ireland" 392 "Japan" 528 "Netherlands" 554 "New Zealand"
      578 "Norway" 620 "Portugal" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826 "Great
      Britain" 840 "United States"
label values v3a cntrylbl

keep if v3a==36 | v3a==124 | v3a==208 | v3a==246 | v3a==250 | v3a==276 | v3a==372 |
      v3a==392 | v3a==528 | v3a==554 | v3a==578 | v3a==620 | v3a==724 | v3a==752 | v3a==756
      | v3a==826 | v3a==840

generate year=1996
gen yr2006=0

rename v3a cntry
rename v325 wgths

revrs v36 v38 v39 v41 v42 v44
recode revv36 (1/2=0) (3/4=1), generate(jobs)
recode revv38 (1/2=0) (3/4=1), gen(hcare)
recode revv39 (1/2=0) (3/4=1), gen(retire)
recode revv41 (1/2=0) (3/4=1), gen(unemp)
recode revv42 (1/2=0) (3/4=1), gen(incdiff)
recode revv44 (1/2=0) (3/4=1), gen(housing)

gen agesq = v201*v201
rename v201 age
recode v200 (1=0) (2=1), generate(female)
recode v205 (1/4=1) (5/6=2) (7=3), generate(edcat)
tab edcat, gen(edcat_)
recode v206 (1=1) (2/3=2) (5=3) (4=4) (6/10=4), generate(lmstatus)
recode v212 (1/2=1) (3=2) (4=4) (*=4), generate(v212_r)
generate worktype = .
replace worktype = 1 if v212_r==1
replace worktype = 2 if v212_r==2
replace worktype = 4 if v212_r==4
replace worktype = 3 if v213==1
egen mean_income = mean(v218), by(cntry)
egen sd_income = sd(v218), by(cntry)
gen zinc = (v218 - mean_income)/sd_income

save "ZA2900_sample.dta", replace

use "ZA4700.dta"

keep if V3a==36 | V3a==124 | V3a==208 | V3a==246 | V3a==250 | V3a==276 | V3a==372 |
      V3a==392 | V3a==528 | V3a==554 | V3a==578 | V3a==620 | V3a==724 | V3a==752 | V3a==756
      | V3a==826 | V3a==840

gen year=2006
gen yr2006=1

rename V3a cntry
```

```

rename weight wghts
save "ZA4700_sample.dta"

revrs V25 V27 V28 V30 V31 V33
recode revV25 (1/2=0) (3/4=1), generate(jobs)
recode revV27 (1/2=0) (3/4=1), gen(hcare)
recode revV28 (1/2=0) (3/4=1), gen(retire)
recode revV30 (1/2=0) (3/4=1), gen(unemp)
recode revV31 (1/2=0) (3/4=1), gen(incdiff)
recode revV33 (1/2=0) (3/4=1), gen(housing)
gen agesq = age*age
recode sex (1=0) (2=1), generate(female)
recode degree (0/2=1) (3/4=2) (5=3), generate(edcat)
tab edcat, gen(edcat_)
recode wrkst (1=1) (2/3=2) (5=3) (4=4) (6/10=4), generate(lmstatus)
recode wrktype (1/2=1) (3=2) (4=3) (5=4) (*=4), generate(worktype)
generate faminc = .
replace faminc = AU_INC if AU_INC!=.
replace faminc = CA_INC if CA_INC!=.
replace faminc = CH_INC if CH_INC!=.
replace faminc = DE_INC if DE_INC!=.
replace faminc = DK_INC if DK_INC!=.
replace faminc = ES_INC if ES_INC!=.
replace faminc = IE_INC if IE_INC!=.
replace faminc = FI_INC if FI_INC!=.
replace faminc = FR_INC if FR_INC!=.
replace faminc = GB_INC if GB_INC!=.
replace faminc = JP_INC if JP_INC!=.
replace faminc = NL_INC if NL_INC!=.
replace faminc = NO_INC if NO_INC!=.
replace faminc = NZ_INC if NZ_INC!=.
replace faminc = PT_INC if PT_INC!=.
replace faminc = SE_INC if SE_INC!=.
replace faminc = US_INC if US_INC!=.
egen mean_income = mean(faminc), by(cntry)
egen sd_income = sd(faminc), by(cntry)
gen zinc = (faminc - mean_income)/sd_income

save "ZA4700_sample.dta", replace

clear
import delimited /Users/maureeneger/meger/CRI/bradyfinnigan2014countrydata.csv
keep if cntry==36 | cntry==124 | cntry==208 | cntry==246 | cntry==250 | cntry==276 |
    cntry==372 | cntry==392 | cntry==528 | cntry==554 | cntry==578 | cntry==620 |
    cntry==724 | cntry==752 | cntry==756 | cntry==826 | cntry==840
save "/Users/maureeneger/meger/CRI/bradyfinnigan2014countrydata_sample.dta"

use "ZA4700_sample.dta"
append using "ZA2900_sample.dta"
sort cntry year

merge m:1 cntry year using "bradyfinnigan2014countrydata_sample.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
    (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
    (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)
save "CRI.dta"

logit jobs age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.cntry
    foreignpct if orig13==1, or
outreg2 using "Table4.dta", excel eform cti(odds ratio) stats(coef tstat) alpha(0.001,
    0.01, 0.05) sym(**, **, *)

```

```

logit unemp age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct if origl3==1, or
outreg2 using "Table4.dta", excel eform cti(odds ratio) stats(coef tstat) alpha(0.001,
0.01, 0.05) sym(**, **, *)
logit incdiff age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct if origl3==1, or
outreg2 using "Table4.dta", excel eform cti(odds ratio) stats(coef tstat) alpha(0.001,
0.01, 0.05) sym(**, **, *)
logit retire age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct if origl3==1, or
outreg2 using "Table4.dta", excel eform cti(odds ratio) stats(coef tstat) alpha(0.001,
0.01, 0.05) sym(**, **, *)
logit housing age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct if origl3==1, or
outreg2 using "Table4.dta", excel eform cti(odds ratio) stats(coef tstat) alpha(0.001,
0.01, 0.05) sym(**, **, *)
logit hcare age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct if origl3==1, or
outreg2 using "Table4.dta", excel eform cti(odds ratio) stats(coef tstat) alpha(0.001,
0.01, 0.05) sym(**, **, *)
*Model 2
logit jobs age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct socx if origl3==1, or
outreg2 using "Table4_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(**, **, *)
logit unemp age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct socx if origl3==1, or
outreg2 using "Table4_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(**, **, *)
logit incdiff age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct socx if origl3==1, or
outreg2 using "Table4_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(**, **, *)
logit retire age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct socx if origl3==1, or
outreg2 using "Table4_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(**, **, *)
logit housing age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct socx if origl3==1, or
outreg2 using "Table4_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(**, **, *)
logit hcare age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct socx if origl3==1, or
outreg2 using "Table4_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(**, **, *)
*Model 3
logit jobs age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct emprate if origl3==1, or
outreg2 using "Table4_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(**, **, *)
logit unemp age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct emprate if origl3==1, or
outreg2 using "Table4_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(**, **, *)
logit incdiff age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct emprate if origl3==1, or
outreg2 using "Table4_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(**, **, *)
logit retire age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct emprate if origl3==1, or
outreg2 using "Table4_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(**, **, *)

```

```

logit housing age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct emprate if origl3==1, or
outreg2 using "Table4_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit hcare age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct emprate if origl3==1, or
outreg2 using "Table4_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)

*Table 5
*Model 1
logit jobs age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct if origl3==1, or
outreg2 using "Table5_M1.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit unemp age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct if origl3==1, or
outreg2 using "Table5_M1.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit incdiff age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct if origl3==1, or
outreg2 using "Table5_M1.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit retire age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct if origl3==1, or
outreg2 using "Table5_M1.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit housing age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct if origl3==1, or
outreg2 using "Table5_M1.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit hcare age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct if origl3==1, or
outreg2 using "Table5_M1.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)

*Model 2
logit jobs age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct socx if origl3==1, or
outreg2 using "Table5_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit unemp age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct socx if origl3==1, or
outreg2 using "Table5_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit incdiff age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct socx if origl3==1, or
outreg2 using "Table5_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit retire age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct socx if origl3==1, or
outreg2 using "Table5_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit housing age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct socx if origl3==1, or
outreg2 using "Table5_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit hcare age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct socx if origl3==1, or
outreg2 using "Table5_M2.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)

*Model 3
logit jobs age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct emprate if origl3==1, or

```

```

outreg2 using "Table5_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit unemp age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct emprate if origl3==1, or
outreg2 using "Table5_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit incdiff age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct emprate if origl3==1, or
outreg2 using "Table5_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit retire age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct emprate if origl3==1, or
outreg2 using "Table5_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit hcare age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
netmigpct emprate if origl3==1, or
outreg2 using "Table5_M3.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
*Model 4
logit jobs age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct netmigpct if origl3==1, or
outreg2 using "Table5_M4.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit unemp age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct netmigpct if origl3==1, or
outreg2 using "Table5_M4.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit incdiff age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct netmigpct if origl3==1, or
outreg2 using "Table5_M4.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit retire age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct netmigpct if origl3==1, or
outreg2 using "Table5_M4.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit housing age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct netmigpct if origl3==1, or
outreg2 using "Table5_M4.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)
logit hcare age agesq female ib2.edcat zinc i.lmstatus ib2.worktype yr2006 i.centry
foreignpct netmigpct if origl3==1, or
outreg2 using "Table5_M4.dta", excel eform cti(odds ratio) stats(coef tstat)
alpha(0.001, 0.01, 0.05) sym(***, **, *)

```

Team: 32
Software: Stata
Version: ORIGINAL

```
clear all
set more off

use "ZA2900.dta"
gen year = 1996

append using "ZA4700.dta"
recode year .=2006

gen wave = year
recode wave 1996=0 3006=1

clonevar c96 = v3
recode c96 1 = 36 // australia
recode c96 2 = 276 3=276 // germany (east + west)
recode c96 4 = 826 // uk
recode c96 6 = 840 // usa
recode c96 8 = 348 // hungary h
recode c96 9 = . // italy i
recode c96 10 = . // ireland irl
recode c96 12 = 578 // norway n
recode c96 13 = 752 // sweden s
recode c96 14 = 203 // czech republic cz
recode c96 15 = 705 // slovenia slo
recode c96 16 = 616 // poland pl
recode c96 17 = . // bulgaria bg
recode c96 18 = . // russia rus
recode c96 19 = 554 // newzealand nz
recode c96 20 = 124 // canada cdn
recode c96 21 = . // phillipines rp
recode c96 22 = 376 // israel
recode c96 23 = 376 // israel
recode c96 24 = 392 // japan j
recode c96 25 = 724 // spain e
recode c96 26 = . // latvia lv
recode c96 27 = . // france f
recode c96 28 = . // cyprus cy
recode c96 30 = 756 // switzerland ch

clonevar c06 = V3a
recode c06 1 = 36 // australia
recode c06 2 = 276 3=276 // germany (east + west)
recode c06 4 = 826 // uk
recode c06 6 = 840 // usa
recode c06 8 = 348 // hungary h
recode c06 9 = . // italy i
recode c06 10 = 372 // ireland irl
recode c06 12 = 578 // norway n
recode c06 13 = 752 // sweden s
recode c06 14 = 203 // czech republic cz
recode c06 15 = 705 // slovenia slo
recode c06 16 = 616 // poland pl
recode c06 17 = . // bulgaria bg
recode c06 18 = 643 // russia rus
recode c06 19 = 554 // newzealand nz
recode c06 20 = 124 // canada cdn
recode c06 21 = 608 // phillipines rp
recode c06 22 = 376 // IL-J israel
```



```

recode c06 23 = 376 // IL-A israel
recode c06 24 = 392 // japan j
recode c06 25 = 724 // spain e
recode c06 26 = 428 // latvia lv
recode c06 27 = 250 // france f
recode c06 28 = . // cyprus cy
recode c06 30 = 756 // switzerland ch

gen c = c96
replace c = c06 if c96 ==.
clonevar cntry=c

merge m:1 cntry year using "L2data.dta"
drop if _merge==2
tab cntry if _merge==1
drop if _merge==1 // countries for which we do not have macro data

clonevar oldagecare = v39
replace oldagecare = V28 if oldagecare == .

clonevar unemployed = v41
replace unemployed = V30 if unemployed == .

clonevar redincdiff = v42
replace redincdiff = V31 if redincdiff == .

clonevar providjobs = v36
replace providjobs = V25 if providjobs == .

foreach var of varlist      oldagecare unemployed redincdiff providjobs {
    recode `var' 1 2 = 1
    recode `var' 3 4 = 0
    label define `var' 1 "agree" 0 "disagree"
    label values `var' `var'
}

gen female = v200
recode female 1=0 2=1
gen sexd = sex
recode sexd 1=0 2=1
replace female = sexd if female == .

gen ageyear = age
replace ageyear = v201 if age==.
gen agesq = ageyear*ageyear

gen edu96 = v205
    recode edu96 1/3=1 4/5=2 6/7=3

gen edu06 = degree
    recode edu06 0/1=1 2/3=2 4/5=3

gen edu = edu96
replace edu = edu06 if edu96==.

    label define edu 1 "<= Primary" 2 "<=Secondary" 3 ">secondary"
    label values edu edu
    tab edu

gen employ96 = v206
recode employ96 1=1 2/3=2 4=3 6/10=3 5=4

```

```

gen employ06 = wrkst
recode employ06 1=1 2/3=2 4=3 6/10=3 5=4

gen employ = employ96
replace employ = employ06 if employ==.

        label define employl 1 "fulltime" 2 "<=parttime" 3 "not active" 4 "unemployed"
        label values employ employl

qui logit oldagecare female ageyear agesq ib2.edu ib1.employ foreignpct i.c i.wave,
cluster(c) or
est store m1
qui logit unemployed female ageyear agesq ib2.edu ib1.employ foreignpct i.c i.wave,
cluster(c) or
est store m2
qui logit redincdiff female ageyear agesq ib2.edu ib1.employ foreignpct i.c i.wave,
cluster(c) or
est store m3
qui logit providjobs female ageyear agesq ib2.edu ib1.employ foreignpct i.c i.wave,
cluster(c) or
est store m4

qui logit oldagecare female ageyear agesq ib2.edu ib1.employ foreignpct socx i.c
i.wave, cluster(c) or
est store m5
qui logit unemployed female ageyear agesq ib2.edu ib1.employ foreignpct socx i.c
i.wave, cluster(c) or
est store m6
qui logit redincdiff female ageyear agesq ib2.edu ib1.employ foreignpct socx i.c
i.wave, cluster(c) or
est store m7
qui logit providjobs female ageyear agesq ib2.edu ib1.employ foreignpct socx i.c
i.wave, cluster(c) or
est store m8

qui logit oldagecare female ageyear agesq ib2.edu ib1.employ foreignpct emprate i.c
i.wave, cluster(c) or
est store m9
qui logit unemployed female ageyear agesq ib2.edu ib1.employ foreignpct emprate i.c
i.wave, cluster(c) or
est store m10
qui logit redincdiff female ageyear agesq ib2.edu ib1.employ foreignpct emprate i.c
i.wave, cluster(c) or
est store m11
qui logit providjobs female ageyear agesq ib2.edu ib1.employ foreignpct emprate i.c
i.wave, cluster(c) or
est store m12

qui logit oldagecare female ageyear agesq ib2.edu ib1.employ netmigpct i.c i.wave,
cluster(c) or
est store m13
qui logit unemployed female ageyear agesq ib2.edu ib1.employ netmigpct i.c i.wave,
cluster(c) or
est store m14
qui logit redincdiff female ageyear agesq ib2.edu ib1.employ netmigpct i.c i.wave,
cluster(c) or
est store m15
qui logit providjobs female ageyear agesq ib2.edu ib1.employ netmigpct i.c i.wave,
cluster(c) or
est store m16

```

```

qui logit oldagecare female ageyear agesq ib2.edu ib1.employ netmigpct socx i.c
i.wave, cluster(c) or
est store m17
qui logit unemployed female ageyear agesq ib2.edu ib1.employ netmigpct socx i.c
i.wave, cluster(c) or
est store m18
qui logit redincdiff female ageyear agesq ib2.edu ib1.employ netmigpct socx i.c
i.wave, cluster(c) or
est store m19
qui logit providjobs female ageyear agesq ib2.edu ib1.employ netmigpct socx i.c
i.wave, cluster(c) or
est store m20

qui logit oldagecare female ageyear agesq ib2.edu ib1.employ netmigpct emprate i.c
i.wave, cluster(c) or
est store m21
qui logit unemployed female ageyear agesq ib2.edu ib1.employ netmigpct emprate i.c
i.wave, cluster(c) or
est store m22
qui logit redincdiff female ageyear agesq ib2.edu ib1.employ netmigpct emprate i.c
i.wave, cluster(c) or
est store m23
qui logit providjobs female ageyear agesq ib2.edu ib1.employ netmigpct emprate i.c
i.wave, cluster(c) or
est store m24

esttab m1 m2 m3 m4, eform keep(foreignpct _cons)

esttab m5 m6 m7 m8, eform keep(foreignpct socx _cons)

esttab m9 m10 m11 m12, eform keep(foreignpct emprate _cons)

esttab m13 m14 m15 m16, eform keep(netmigpct _cons)

esttab m17 m18 m19 m20, eform keep(netmigpct socx _cons)

esttab m21 m22 m23 m24, eform keep(netmigpct emprate _cons)

```

Team: 33
Software: Stata
Version: ORIGINAL

```
clear all
version 15

use "ZA2900.dta", clear
numlabel _all, add

gen year = 1996
label var year "year of data collection"

tab v3
recode v3 ///
  (1   = 36) ///
  (20  = 124) ///
  (27  = 250) ///
  (2 3 = 276) ///
  (10  = 372) ///
  (24  = 392) ///
  (19  = 554) ///
  (12  = 578) ///
  (25  = 724) ///
  (13  = 752) ///
  (30  = 756) ///
  (4 5 = 826) ///
  (6   = 840) ///
  (else = .) ///
  , gen(country)

label define country ///
  36 "Australia" ///
  124 "Canada" ///
  250 "France" ///
  276 "Germany" ///
  372 "Ireland" ///
  392 "Japan" ///
  554 "New Zealand" ///
  578 "Norway" ///
  724 "Spain" ///
  752 "Sweden" ///
  756 "Switzerland" ///
  826 "United Kingdom" ///
  840 "United States"
label values country country
numlabel country, add
drop if country == .
label var country "country (ISO 3166)"

recode v39 (1 2 = 1) (3 4 = 0) (.=.), gen(old_age)
label variable old_age "Old age care"
recode v41 (1 2 = 1) (3 4 = 0) (.=.), gen(unemployed)
label variable unemployed "Unemployed"
recode v42 (1 2 = 1) (3 4 = 0) (.=.), gen(income)
label variable income "Reduce income differences"
recode v36 (1 2 = 1) (3 4 = 0) (.=.), gen(jobs)
label variable jobs "Jobs"

recode v200 (1 = 0) (2 = 1) (.=.), gen(female)
label var female "Female"
```

```

gen age = v201
label var age "Age (years)"

recode v205 (2 3 4 = 1) (5 6 = 2) (7 = 3) (1 . = .), gen(education)
label define education ///
  1 "Primary or less" ///
  2 "Secondary" ///
  3 "University or more"
label values education education
label var education "education (3 categories)"

recode v206 (1 = 1) (2 3 = 2) (5 = 3) (4 6 7 8 9 10 = 4) (. = .), gen(employment)
label define employment ///
  1 "Full time" ///
  2 "Part time" ///
  3 "Active unemployed" ///
  4 "Not active"
label values employment employment
tab v206 employment, mis
label var employment "employment (4 categories)"

sum v215 if v206 == 2, d // part-time
sum v215 if v206 == 3, d // less than part-time
sum v215 if v206 == 4, d // helping family member

keep year country old_age unemployed income jobs female age education employment
compress
save "prepared_1996.dta", replace

use "ZA4700.dta", clear
numlabel _all, add

gen year = 2006
label var year "year of data collection"

tab V3a
gen country = V3a

label define country ///
  36 "Australia" ///
  124 "Canada" ///
  250 "France" ///
  276 "Germany" ///
  372 "Ireland" ///
  392 "Japan" ///
  554 "New Zealand" ///
  578 "Norway" ///
  724 "Spain" ///
  752 "Sweden" ///
  756 "Switzerland" ///
  826 "United Kingdom" ///
  840 "United States"
label values country country
numlabel country, add
label var country "country (ISO 3166)"

egen sample = anmatch(country), values(36 124 250 276 372 392 554 578 724 752 756 826
840)
keep if sample
drop sample

recode V28 (1 2 = 1) (3 4 = 0) (. = .), gen(old_age)

```

```

label variable old_age "Old age care"
recode V30 (1 2 = 1) (3 4 = 0) (. = .), gen(unemployed)
label variable unemployed "Unemployed"
recode V31 (1 2 = 1) (3 4 = 0) (. = .), gen(income)
label variable income "Reduce income differences"
recode V25 (1 2 = 1) (3 4 = 0) (. = .), gen(jobs)
label variable jobs "Jobs"

recode sex (1 = 0) (2 = 1) (. = .), gen(female)
label var female "Female"

label var age "Age (years)"

recode degree (0 1 = 1) (2 3 4 = 2) (5 = 3) (. = .), gen(education)
label define education ///
  1 "Primary or less" ///
  2 "Secondary" ///
  3 "University or more"
label values education education

label var education "education (3 categories)"

recode wrkst (1 = 1) (2 3 = 2) (5 = 3) (4 6 7 8 9 10 = 4) (. = .), gen(employment)
label define employment ///
  1 "Full time" ///
  2 "Part time" ///
  3 "Active unemployed" ///
  4 "Not active"
label values employment employment

keep year country old_age unemployed income jobs female age education employment
compress
save "prepared_2006.dta", replace

use "L2data.dta", clear

drop if missing(emprate, foreignpct, socx, netmigpct)

rename country country_old
gen country = cntry
label define country ///
  36 "Australia" ///
  124 "Canada" ///
  208 "Denmark" ///
  246 "Finland" ///
  250 "France" ///
  276 "Germany" ///
  372 "Ireland" ///
  392 "Japan" ///
  528 "Netherlands" ///
  554 "New Zealand" ///
  578 "Norway" ///
  620 "Portugal" ///
  724 "Spain" ///
  752 "Sweden" ///
  756 "Switzerland" ///
  826 "United Kingdom" ///
  840 "United States"
label values country country
numlabel country, add

drop country_old

```

```

egen sample = anmatch(country), values(36 124 250 276 372 392 554 578 724 752 756 826
840)
keep if sample
drop sample

compress
save "prepared_level2.dta", replace

use "prepared_1996.dta", clear
append using "prepared_2006.dta"
merge m:1 country year using "prepared_level2.dta"
drop _merge cntry

misstable sum, all
egen miss = rowmiss(_all)
gen sample = (miss == 0)
misstable sum if sample == 1, all

compress
save "finaldata.dta", replace

use "finaldata.dta", clear

global depvar = "old_age unemployed income jobs"
global llcovar = "i.female c.age##c.age i.education i.employment i.country i.year"

preserve
drop if sample == 0

foreach v of varlist $depvar {
    qui: logit `v' c.foreignpct $llcovar
    estimates store `v'
    qui: logit `v' c.foreignpct c.socx $llcovar
    estimates store `v'2
    qui: logit `v' c.foreignpct c.emprate $llcovar
    estimates store `v'3
    qui: logit `v' c.netmigpct $llcovar
    estimates store `v'4
    qui: logit `v' c.netmigpct c.socx $llcovar
    estimates store `v'5
    qui: logit `v' c.netmigpct c.emprate $llcovar
    estimates store `v'6
}
restore

forvalues x=2/6 {
    global depvar`x' = "old_age`x' unemployed`x' income`x' jobs`x'"
}

global cfg = "z label nobaselevel nonote nonum b(3) t(3) star(* 0.05 ** 0.01 ***
0.001) mtitle($depvar) compress eform constant"

esttab $depvar, $cfg
esttab $depvar2, $cfg
esttab $depvar3, $cfg
esttab $depvar4, $cfg
esttab $depvar5, $cfg
esttab $depvar6, $cfg

esttab $depvar $depvar2 $depvar3 using table1.csv, $cfg order(foreignpct socx
emprate netmigpct) replace

```

```
esttab $depvar4 $depvar5 $depvar6 using table2.csv, $config order(foreignpct socx  
emprate netmigpct) replace
```


Team: 34
Software: R
Version: ORIGINAL

```
library(readr)
ZA4700 <- read_csv("ZA4700.csv")
ZA2900 <- read_csv("ZA2900.csv")
bradyfinnigan2014countrydata <- read_csv("bradyfinnigan2014countrydata.csv")

data961 <- ZA2900
data061 <- ZA4700
countrydata1 <- bradyfinnigan2014countrydata

data962 <- subset(data961, subset=(v3=="aus" | v3=="cdn" | v3=="f" | v3=="D-E" |
  v3=="irl" | v3=="j" | v3=="nz" |
  v3=="n" | v3=="e" | v3=="s" | v3=="ch" | v3=="gb" | v3=="usa"))
table(data962$v3)

data062 <- subset(data061, subset=(V3a=="AU-Australia" | V3a=="CA-Canada" | V3a=="FR-
  France" | V3a=="DE-Germany" |
  V3a=="IE-Ireland" | V3a=="JP-Japan" | V3a=="NZ-New
  Zealand" | V3a=="NO-Norway" |
  V3a=="ES-Spain" |
  V3a=="SE-Sweden" | V3a=="CH-Switzerland" | V3a=="GB-
  Great Britain" | V3a=="US-United States"))
table(data062$V3a)

data962$country1 <- NA
data962$country1 <- data962$v3
data062$country1 <- NA
data062$country1 <- data062$V3a

data962$country <- NA
data962$country[data962$country1=="aus"] <- "aus"
data962$country[data962$country1=="cdn"] <- "can"
data962$country[data962$country1=="f"] <- "fra"
data962$country[data962$country1=="D-E"] <- "ger"
data962$country[data962$country1=="irl"] <- "irl"
data962$country[data962$country1=="j"] <- "jap"
data962$country[data962$country1=="nz"] <- "nzl"
data962$country[data962$country1=="n"] <- "nor"
data962$country[data962$country1=="e"] <- "spa"
data962$country[data962$country1=="s"] <- "swe"
data962$country[data962$country1=="ch"] <- "sw"
data962$country[data962$country1=="gb"] <- "gb"
data962$country[data962$country1=="usa"] <- "usa"

data062$country <- NA
data062$country[data062$country1=="AU-Australia"] <- "aus"
data062$country[data062$country1=="CA-Canada"] <- "can"
data062$country[data062$country1=="FR-France"] <- "fra"
data062$country[data062$country1=="DE-Germany"] <- "ger"
data062$country[data062$country1=="IE-Ireland"] <- "irl"
data062$country[data062$country1=="JP-Japan"] <- "jap"
data062$country[data062$country1=="NZ-New Zealand"] <- "nzl"
data062$country[data062$country1=="NO-Norway"] <- "nor"
data062$country[data062$country1=="ES-Spain"] <- "spa"
data062$country[data062$country1=="SE-Sweden"] <- "swe"
data062$country[data062$country1=="CH-Switzerland"] <- "sw"
data062$country[data062$country1=="GB-Great Britain"] <- "gb"
data062$country[data062$country1=="US-United States"] <- "usa"
```

```

table(data962$country)
table(data062$country)

countrydata1$country.org <- NA
countrydata1$country.org <- countrydata1$country

countrydata1$country[countrydata1$country.org=="Australia"] <- "aus"
countrydata1$country[countrydata1$country.org=="Canada"] <- "can"
countrydata1$country[countrydata1$country.org=="France"] <- "fra"
countrydata1$country[countrydata1$country.org=="Germany"] <- "ger"
countrydata1$country[countrydata1$country.org=="Japan"] <- "jap"
countrydata1$country[countrydata1$country.org=="New Zealand"] <- "nzl"
countrydata1$country[countrydata1$country.org=="Norway"] <- "nor"
countrydata1$country[countrydata1$country.org=="Spain"] <- "spa"
countrydata1$country[countrydata1$country.org=="United Kingdom"] <- "gb"
countrydata1$country[countrydata1$country.org=="United States"] <- "usa"
countrydata1$country[countrydata1$country.org=="Ireland"] <- "irl"
countrydata1$country[countrydata1$country.org=="Sweden"] <- "swe"
countrydata1$country[countrydata1$country.org=="Switzerland"] <- "sw"

table(countrydata1$country)

countrydata <- subset(countrydata1,
  subset=(country=="aus" | country=="can" | country=="fra" | country=="gb" |
    country=="ger" | country=="irl" | country=="jap" |
    country=="nor" | country=="nzl" | country=="spa" |
    country=="sw" | country=="swe" | country=="gb" |
    country=="usa"))

table(data062$country)
table(data962$country)
table(countrydata$country)

d96 <- subset(countrydata, subset=(year=="1996"))
d06 <- subset(countrydata, subset=(year=="2006"))

install.packages("dplyr")
library(dplyr)
y<-inner_join(data962, d96, by="country")
x<-inner_join(data062, d06, by="country")

#1996: y

table(y$v36)
y$dgovjobs <- NA
y$dgovjobs <- as.numeric(y$govjobs)
y$dgovjobs[y$v36=="Definitely not"] <-0
y$dgovjobs[y$v36=="Definitely should"] <-1
y$dgovjobs[y$v36=="Probably not"] <-0
y$dgovjobs[y$v36=="Probably should"] <-1
table(y$dgovjobs)

table(y$v38)
y$dhcare <- NA
y$dhcare <- as.numeric(y$dhcare)
y$dhcare[y$v38=="Definitely not"] <-0
y$dhcare[y$v38=="Definitely should"] <-1
y$dhcare[y$v38=="Probably not"] <-0
y$dhcare[y$v38=="Probably should"] <-1
table(y$dhcare)

```

```

table(y$v39)
y$dgovretire <- NA
y$dgovretire <- as.numeric(y$dgovretire)
y$dgovretire[y$v39=="Definitely not"] <-0
y$dgovretire[y$v39=="Definitely should"] <-1
y$dgovretire[y$v39=="Probably not"] <-0
y$dgovretire[y$v39=="Probably should"] <-1
table(y$dgovretire)

table(y$v41)
y$dgovunemp <- NA
y$dgovunemp <- as.numeric(y$dgovunemp)
y$dgovunemp[y$v41=="Definitely not"] <-0
y$dgovunemp[y$v41=="Definitely should"] <-1
y$dgovunemp[y$v41=="Probably not"] <-0
y$dgovunemp[y$v41=="Probably should"] <-1
table(y$dgovunemp)

table(y$v42)
y$dgovincdiff <- NA
y$dgovincdiff <- as.numeric(y$dgovincdiff)
y$dgovincdiff[y$v42=="Definitely not"] <-0
y$dgovincdiff[y$v42=="Definitely should"] <-1
y$dgovincdiff[y$v42=="Probably not"] <-0
y$dgovincdiff[y$v42=="Probably should"] <-1
table(y$dgovincdiff)

table(y$v44)
y$dgovhous <- NA
y$dgovhous <- as.numeric(y$dgovincdiff)
y$dgovhous[y$v44=="Definitely not"] <-0
y$dgovhous[y$v44=="Definitely should"] <-1
y$dgovhous[y$v44=="Probably not"] <-0
y$dgovhous[y$v44=="Probably should"] <-1
table(y$dgovhous)

#2006: x

table(x$V25)
x$dgovjobs <- NA
x$dgovjobs <- as.numeric(x$dgovjobs)
x$dgovjobs[x$V25=="Definitely should be"] <-1
x$dgovjobs[x$V25=="Definitely should not be"] <-0
x$dgovjobs[x$V25=="Probably should be"] <-1
x$dgovjobs[x$V25=="Probably should not be"] <-0
table(x$dgovjobs)

table(x$V30)
x$dgovunemp <- NA
x$dgovunemp <- as.numeric(x$dgovunemp)
x$dgovunemp[x$V30=="Definitely should be"] <-1
x$dgovunemp[x$V30=="Definitely should not be"] <-0
x$dgovunemp[x$V30=="Probably should be"] <-1
x$dgovunemp[x$V30=="Probably should not be"] <-0
table(x$dgovunemp)

table(x$V31)
x$dgovincdiff <- NA
x$dgovincdiff <- as.numeric(x$dgovincdiff)
x$dgovincdiff[x$V31=="Definitely should be"] <-1

```

```

x$dgovincdiff[x$V31=="Definitely should not be"] <-0
x$dgovincdiff[x$V31=="Probably should be"] <-1
x$dgovincdiff[x$V31=="Probably should not be"] <-0
table(x$dgovincdiff)

table(x$V27)
x$dhcare <- NA
x$dhcare <- as.numeric(x$dhcare)
x$dhcare[x$V27=="Definitely should be"] <-1
x$dhcare[x$V27=="Definitely should not be"] <-0
x$dhcare[x$V27=="Probably should be"] <-1
x$dhcare[x$V27=="Probably should not be"] <-0
table(x$dhcare)

table(x$V28)
x$dgovretire <- NA
x$dgovretire<- as.numeric(x$dgovretire)
x$dgovretire[x$V28=="Definitely should be"] <-1
x$dgovretire[x$V28=="Definitely should not be"] <-0
x$dgovretire[x$V28=="Probably should be"] <-1
x$dgovretire[x$V28=="Probably should not be"] <-0
table(x$dgovretire)

table(x$V28)
x$dgovhous <- NA
x$dgovhous<- as.numeric(x$dgovhous)
x$dgovhous[x$V33=="Definitely should be"] <-1
x$dgovhous[x$V33=="Definitely should not be"] <-0
x$dgovhous[x$V33=="Probably should be"] <-1
x$dgovhous[x$V33=="Probably should not be"] <-0
table(x$dgovhous)

attach(y)
dfy <- data.frame(dgovhous, dgovincdiff, dgovretire, dgovjobs, dgovunemp, dhcare,
  foreignpct,emprate, socx,netmigpct,country, year)
detach(y)

attach(x)
dfx <- data.frame(dgovhous, dgovincdiff, dgovretire, dgovjobs, dgovunemp, dhcare,
  foreignpct, emprate,socx,netmigpct,
  year, country)
detach(x)
d1 <- rbind(dfy, dfx)
d1<-na.omit(d1) # line wise deletion

table(d1$country)
mod1 <- glm(dgovjobs~foreignpct+country+year, family=binomial, data=d1)
summary(mod1)
logistic.display(mod1)

mod1a <- glm(dgovjobs~foreignpct+socx+country+year, family=binomial, data=d1)
summary(mod1a)
logistic.display(mod1a)

mod1b <- glm(dgovjobs~foreignpct+emprate+country+year, family=binomial, data=d1)
summary(mod1b)
logistic.display(mod1b)

mod2 <- glm(dgovunemp~foreignpct+country+year, family=binomial, data=d1)
summary(mod2)

```

```
logistic.display(mod2)

mod2a <- glm(dgovunemp~foreignpct+socx+country+year, family=binomial, data=d1)
summary(mod2a)
logistic.display(mod2a)

mod2b <- glm(dgovunemp~foreignpct+emprate+country+year, family=binomial, data=d1)
summary(mod2b)
logistic.display(mod2b)

mod3 <- glm(dgovincdiff~foreignpct+country+year, family=binomial, data=d1)
summary(mod3)
logistic.display(mod3)

mod3a <- glm(dgovincdiff~foreignpct+socx+country+year, family=binomial, data=d1)
summary(mod3a)
logistic.display(mod3a)

mod3b <- glm(dgovincdiff~foreignpct+emprate+country+year, family=binomial, data=d1)
summary(mod3b)
logistic.display(mod3b)

mod4 <- glm(dgovretire~foreignpct+country+year, family=binomial, data=d1)
summary(mod4)
logistic.display(mod4)

mod4a <- glm(dgovretire~foreignpct+socx+country+year, family=binomial, data=d1)
summary(mod4a)
logistic.display(mod4a)

mod4b <- glm(dgovretire~foreignpct+emprate+country+year, family=binomial, data=d1)
summary(mod4b)
logistic.display(mod4b)

mod5 <- glm(dgovhous~foreignpct+country+year, family=binomial, data=d1)
summary(mod5)
logistic.display(mod5)

mod5a <- glm(dgovhous~foreignpct+socx+country+year, family=binomial, data=d1)
summary(mod5a)
logistic.display(mod5a)

mod5b <- glm(dgovhous~foreignpct+emprate+country+year, family=binomial, data=d1)
summary(mod5b)
logistic.display(mod5b)

mod6 <- glm(dhcare~foreignpct+country+year, family=binomial, data=d1)
summary(mod6)
logistic.display(mod6)

mod6a <- glm(dhcare~foreignpct+socx+country+year, family=binomial, data=d1)
summary(mod6a)
logistic.display(mod6a)

mod6b <- glm(dhcare~foreignpct+emprate+country+year, family=binomial, data=d1)
summary(mod6b)
logistic.display(mod6b)

mod7a <- glm(dgovjobs~netmigpct+country+year, family=binomial, data=d1)
summary(mod7a)
logistic.display(mod7a)

mod7b <- glm(dgovjobs~netmigpct+socx+country+year, family=binomial, data=d1)
```

```

summary(mod7b)
logistic.display(mod7b)

mod7c <- glm(dgovjobs~emprate+netmigpct+country+year, family=binomial, data=d1)
summary(mod7c)
logistic.display(mod7c)

mod7d <- glm(dgovjobs~foreignpct+netmigpct+country+year, family=binomial, data=d1)
summary(mod7d)
logistic.display(mod7d)

mod8a <- glm(dgovunemp~netmigpct+country+year, family=binomial, data=d1)
summary(mod8a)
logistic.display(mod8a)

mod8b <- glm(dgovunemp~netmigpct+socx+country+year, family=binomial, data=d1)
summary(mod8b)
logistic.display(mod8b)

mod8c <- glm(dgovunemp~emprate+netmigpct+country+year, family=binomial, data=d1)
summary(mod8c)
logistic.display(mod8c)

mod8d <- glm(dgovunemp~foreignpct+netmigpct+country+year, family=binomial, data=d1)
summary(mod8d)
logistic.display(mod8d)

mod9a <- glm(dgovincdiff~netmigpct+country+year, family=binomial, data=d1)
summary(mod9a)
logistic.display(mod9a)

mod9b <- glm(dgovincdiff~netmigpct+socx+country+year, family=binomial, data=d1)
summary(mod9b)
logistic.display(mod9b)

mod9c <- glm(dgovincdiff~emprate+netmigpct+country+year, family=binomial, data=d1)
summary(mod9c)
logistic.display(mod9c)

mod9d <- glm(dgovincdiff~foreignpct+netmigpct+country+year, family=binomial, data=d1)
summary(mod9d)
logistic.display(mod9d)

mod10a <- glm(dgovretire~netmigpct+country+year, family=binomial, data=d1)
summary(mod10a)
logistic.display(mod10a)

mod10b <- glm(dgovretire~netmigpct+socx+country+year, family=binomial, data=d1)
summary(mod10b)
logistic.display(mod10b)

mod10c <- glm(dgovretire~emprate+netmigpct+country+year, family=binomial, data=d1)
summary(mod10c)
logistic.display(mod10c)

mod10d <- glm(dgovretire~foreignpct+netmigpct+country+year, family=binomial, data=d1)
summary(mod10d)
logistic.display(mod10d)

mod11a <- glm(dgovhous~netmigpct+country+year, family=binomial, data=d1)
summary(mod11a)
logistic.display(mod11a)

```

```
mod11b <- glm(dgovhous~netmigpct+socx+country+year, family=binomial, data=d1)
summary(mod11b)
logistic.display(mod11b)

mod11c <- glm(dgovhous~emprate+netmigpct+country+year, family=binomial, data=d1)
summary(mod11c)
logistic.display(mod11c)

mod11d <- glm(dgovhous~foreignpct+netmigpct+country+year, family=binomial, data=d1)
summary(mod11d)
logistic.display(mod11d)

mod12a <- glm(dhcare~netmigpct+country+year, family=binomial, data=d1)
summary(mod12a)
logistic.display(mod12a)

mod12b <- glm(dhcare~netmigpct+socx+country+year, family=binomial, data=d1)
summary(mod12b)
logistic.display(mod12b)

mod12c <- glm(dhcare~emprate+netmigpct+country+year, family=binomial, data=d1)
summary(mod12c)
logistic.display(mod12c)

mod12d <- glm(dhcare~foreignpct+netmigpct+country+year, family=binomial, data=d1)
summary(mod12d)
logistic.display(mod12d)
```

Team: 35
Software: SPSS
Version: ORIGINAL

```
if (V3 = 1 or V3 = 36 ) country = 1.
if (V3 = 20 or V3 = 124 ) country = 2.
if (V3 = 30 or V3 = 756 ) country = 3.
if (V3 = 2 or V3 = 276 ) country = 4.
if (V3 = 25 or V3 = 724 ) country = 5.
if (V3 = 27 or V3 = 250) country = 6.
if (V3 = 4 or V3 = 826) country = 7.
if (V3 = 10 or V3 = 372) country = 8.
if (V3 = 24 or V3 = 392) country = 9.
if (V3 = 12 or V3 = 578) country = 10.
if (V3 = 19 or V3 = 554) country = 11.
if (V3 = 13 or V3 = 752) country = 12.
if (V3 = 6 or V3 = 840) country = 13.

RECODE V1 (4700=1) (2900=0) INTO V1_n.
VARIABLE LABELS V1_n 'survey wave'.
EXECUTE.

COMPUTE V25_n=SUM(V25, v36).
EXECUTE.

COMPUTE V28_n=SUM(V28, v39).
EXECUTE.

COMPUTE V30_n=SUM(V30, v41).
EXECUTE.

COMPUTE V31_n=SUM(V31, v42).
EXECUTE.

COMPUTE sex_n=SUM(sex, v200).
EXECUTE.

COMPUTE age_n=SUM(age, v201).
EXECUTE.

COMPUTE wrkst=SUM(wrkst, v206).
EXECUTE.

RECODE V25_n (1=1) (2=1) (3=0) (4=0) INTO V25_n_dummy.
EXECUTE.

RECODE V28_n (1=1) (2=1) (3=0) (4=0) INTO V28_n_dummy.
EXECUTE.

RECODE V30_n (1=1) (2=1) (3=0) (4=0) INTO V30_n_dummy.
EXECUTE.

RECODE V31_n (1=1) (2=1) (3=0) (4=0) INTO V31_n_dummy.
EXECUTE.

COMPUTE age_n_square=age_n ** 2.
EXECUTE.

RECODE v205 (1=1) (2=1) (3=1) (4=0) (5=0) (6=0) (7=0) INTO degree_primary_less.
EXECUTE.

RECODE v205 (1=0) (2=0) (3=0) (4=1) (5=1) (6=0) (7=0) INTO degree_secondary.
```



```

EXECUTE.

RECODE v205 (1=0) (2=0) (3=0) (4=0) (5=0) (6=1) (7=1) INTO degree_university.
EXECUTE.

RECODE degree (0=1) (1=1) (2=0) (3=0) (4=0) (5=0) INTO degree_primary_less.
EXECUTE.

RECODE degree (0=0) (1=0) (2=1) (3=1) (4=0) (5=0) INTO degree_secondary.
EXECUTE.

RECODE degree (0=0) (1=0) (2=0) (3=0) (4=1) (5=1) INTO degree_university.
EXECUTE.

RECODE wrkst (1=1) (2=0) (3=0) (4=0) (5=0) (6=0) (7=0) (8=0) (9=0) (10=0) INTO
    wrkst_full_time.
EXECUTE.

RECODE wrkst (1=0) (2=1) (3=1) (4=0) (5=0) (6=0) (7=0) (8=0) (9=0) (10=0) INTO
    wrkst_part_time.
EXECUTE.

RECODE wrkst (1=0) (2=0) (3=0) (4=1) (5=0) (6=1) (7=0) (8=1) (9=0) (10=0) INTO
    wrkst_active_unemployed.
EXECUTE.

RECODE wrkst (1=0) (2=0) (3=0) (4=0) (5=1) (6=0) (7=1) (8=0) (9=1) (10=1) INTO
    wrkst_not_active.
EXECUTE.

if (country = 1 AND V1_n = 0) foreignpct = 21.3.
if (country = 1 AND V1_n = 1) foreignpct = 21.3.

if (country = 2 AND V1_n = 0) foreignpct = 17.20000076.
if (country = 2 AND V1_n = 1) foreignpct = 19.50000000.

if (country = 3 AND V1_n = 0) foreignpct = 20.89999962.
if (country = 3 AND V1_n = 1) foreignpct = 22.29999924.

if (country = 4 AND V1_n = 0) foreignpct = 11.00000000.
if (country = 4 AND V1_n = 1) foreignpct = 12.89999962.

if (country = 5 AND V1_n = 0) foreignpct = 2.59999990.
if (country = 5 AND V1_n = 1) foreignpct = 10.60000038.

if (country = 6 AND V1_n = 0) foreignpct = 10.50000006.
if (country = 6 AND V1_n = 1) foreignpct = 10.60000038.

if (country = 7 AND V1_n = 0) foreignpct = 7.19999981.
if (country = 7 AND V1_n = 1) foreignpct = 9.69999981.

if (country = 8 AND V1_n = 0) foreignpct = 7.30000019.
if (country = 8 AND V1_n = 1) foreignpct = 14.80000019.

if (country = 9 AND V1_n = 0) foreignpct = 1.08599997.
if (country = 9 AND V1_n = 1) foreignpct = 1.56400001.

if (country = 10 AND V1_n = 0) foreignpct = 5.40000010.
if (country = 10 AND V1_n = 1) foreignpct = 8.00000000.

if (country = 11 AND V1_n = 0) foreignpct = 16.20000076.
if (country = 11 AND V1_n = 1) foreignpct = 20.70000076.

```

```
if (country = 12 AND V1_n = 0) foreignpct = 10.30000019.  
if (country = 12 AND V1_n = 1) foreignpct = 12.30000019.  
  
if (country = 13 AND V1_n = 0) foreignpct = 10.69999981.  
if (country = 13 AND V1_n = 1) foreignpct = 13.30000019.
```

```
if (country = 1 AND V1_n = 0) emprate = 68.38.  
if (country = 1 AND V1_n = 1) emprate = 72.97.
```

```
if (country = 2 AND V1_n = 0) emprate = 66.95.  
if (country = 2 AND V1_n = 1) emprate = 72.70.
```

```
if (country = 3 AND V1_n = 0) emprate = 82.60.  
if (country = 3 AND V1_n = 1) emprate = 84.54.
```

```
if (country = 4 AND V1_n = 0) emprate = 64.15.  
if (country = 4 AND V1_n = 1) emprate = 67.41.
```

```
if (country = 5 AND V1_n = 0) emprate = 47.58.  
if (country = 5 AND V1_n = 1) emprate = 64.85.
```

```
if (country = 6 AND V1_n = 0) emprate = 58.17.  
if (country = 6 AND V1_n = 1) emprate = 61.85.
```

```
if (country = 7 AND V1_n = 0) emprate = 68.32.  
if (country = 7 AND V1_n = 1) emprate = 70.22.
```

```
if (country = 8 AND V1_n = 0) emprate = 56.06.  
if (country = 8 AND V1_n = 1) emprate = 69.34.
```

```
if (country = 9 AND V1_n = 0) emprate = 74.41.  
if (country = 9 AND V1_n = 1) emprate = 76.22.
```

```
if (country = 10 AND V1_n = 0) emprate = 74.37.  
if (country = 10 AND V1_n = 1) emprate = 76.38.
```

```
if (country = 11 AND V1_n = 0) emprate = 71.76.  
if (country = 11 AND V1_n = 1) emprate = 76.01.
```

```
if (country = 12 AND V1_n = 0) emprate = 70.34.  
if (country = 12 AND V1_n = 1) emprate = 72.93.
```

```
if (country = 13 AND V1_n = 0) emprate = 71.77.  
if (country = 13 AND V1_n = 1) emprate = 71.93.
```

```
if (country = 1 AND V1_n = 0) socx = 16.6.  
if (country = 1 AND V1_n = 1) socx = 17.1.
```

```
if (country = 2 AND V1_n = 0) socx = 18.  
if (country = 2 AND V1_n = 1) socx = 16.4.
```

```
if (country = 3 AND V1_n = 0) socx = 18.  
if (country = 3 AND V1_n = 1) socx = 20.2.
```

```
if (country = 4 AND V1_n = 0) socx = 27.  
if (country = 4 AND V1_n = 1) socx = 26.7.
```

```
if (country = 5 AND V1_n = 0) socx = 21.3.
if (country = 5 AND V1_n = 1) socx = 21.2.

if (country = 6 AND V1_n = 0) socx = 28.8.
if (country = 6 AND V1_n = 1) socx = 29.1.

if (country = 7 AND V1_n = 0) socx = 19.9.
if (country = 7 AND V1_n = 1) socx = 21.2.

if (country = 8 AND V1_n = 0) socx = 14.7.
if (country = 8 AND V1_n = 1) socx = 16.7.

if (country = 9 AND V1_n = 0) socx = 14.5.
if (country = 9 AND V1_n = 1) socx = 18.5.

if (country = 10 AND V1_n = 0) socx = 22.5.
if (country = 10 AND V1_n = 1) socx = 21.6.

if (country = 11 AND V1_n = 0) socx = 18.9.
if (country = 11 AND V1_n = 1) socx = 18.5.

if (country = 12 AND V1_n = 0) socx = 31.6.
if (country = 12 AND V1_n = 1) socx = 29.4.

if (country = 13 AND V1_n = 0) socx = 15.1.
if (country = 13 AND V1_n = 1) socx = 15.9.

if (country = 1 AND V1_n = 0) netmigpct = 1.29490924.
if (country = 1 AND V1_n = 1) netmigpct = 3.14409065.

if (country = 2 AND V1_n = 0) netmigpct = 2.18959260.
if (country = 2 AND V1_n = 1) netmigpct = 3.33456159.

if (country = 3 AND V1_n = 0) netmigpct = 3.22248268.
if (country = 3 AND V1_n = 1) netmigpct = 2.69005394.

if (country = 4 AND V1_n = 0) netmigpct = 3.24450660.
if (country = 4 AND V1_n = 1) netmigpct = 1.12776864.

if (country = 5 AND V1_n = 0) netmigpct = 0.82168734.
if (country = 5 AND V1_n = 1) netmigpct = 5.76934290.

if (country = 6 AND V1_n = 0) netmigpct = 0.41396859.
if (country = 6 AND V1_n = 1) netmigpct = 1.24947679.

if (country = 7 AND V1_n = 0) netmigpct = 0.28843811.
if (country = 7 AND V1_n = 1) netmigpct = 1.57342863.

if (country = 8 AND V1_n = 0) netmigpct = -0.03458165.
if (country = 8 AND V1_n = 1) netmigpct = 5.52292585.

if (country = 9 AND V1_n = 0) netmigpct = 0.37720755.
if (country = 9 AND V1_n = 1) netmigpct = 0.06418485.

if (country = 10 AND V1_n = 0) netmigpct = 0.97341746.
if (country = 10 AND V1_n = 1) netmigpct = 1.825211416.

if (country = 11 AND V1_n = 0) netmigpct = 3.883377796.
if (country = 11 AND V1_n = 1) netmigpct = 2.48007941.

if (country = 12 AND V1_n = 0) netmigpct = 1.70722461.
if (country = 12 AND V1_n = 1) netmigpct = 2.06375408.
```

```
if (country = 13 AND V1_n = 0) netmigpct = 2.46555519.  
if (country = 13 AND V1_n = 1) netmigpct = 1.91910112.
```

```
DATASET ACTIVATE DataSet1.  
SPSSINC CREATE DUMMIES VARIABLE=country  
ROOTNAME1=country  
/OPTIONS ORDER=A USEVALUELABELS=YES USEML=YES OMITFIRST=NO.
```

```
LOGISTIC REGRESSION VARIABLES V28_n_dummy  
  /METHOD=ENTER foreignpct sex_n age_n age_n_square degree_primary_less  
  degree_university  
    wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3  
  country_4 country_5  
    country_6 country_7 country_8 country_9 country_10 country_11 country_12  
  country_13 V1_n  
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES V30_n_dummy  
  /METHOD=ENTER foreignpct sex_n age_n age_n_square degree_primary_less  
  degree_university  
    wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3  
  country_4 country_5  
    country_6 country_7 country_8 country_9 country_10 country_11 country_12  
  country_13 V1_n  
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES V31_n_dummy  
  /METHOD=ENTER foreignpct sex_n age_n age_n_square degree_primary_less  
  degree_university  
    wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3  
  country_4 country_5  
    country_6 country_7 country_8 country_9 country_10 country_11 country_12  
  country_13 V1_n  
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES V25_n_dummy  
  /METHOD=ENTER foreignpct sex_n age_n age_n_square degree_primary_less  
  degree_university  
    wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3  
  country_4 country_5  
    country_6 country_7 country_8 country_9 country_10 country_11 country_12  
  country_13 V1_n  
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES V28_n_dummy  
  /METHOD=ENTER foreignpct socx sex_n age_n age_n_square degree_primary_less  
  degree_university  
    wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3  
  country_4 country_5  
    country_6 country_7 country_8 country_9 country_10 country_11 country_12  
  country_13 V1_n  
  /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES V30_n_dummy  
  /METHOD=ENTER foreignpct socx sex_n age_n age_n_square degree_primary_less  
  degree_university  
    wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3  
  country_4 country_5
```

```

country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V31_n_dummy
/METHOD=ENTER foreignpct socx sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V25_n_dummy
/METHOD=ENTER foreignpct socx sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V28_n_dummy
/METHOD=ENTER foreignpct emprate sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V30_n_dummy
/METHOD=ENTER foreignpct emprate sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V31_n_dummy
/METHOD=ENTER foreignpct emprate sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V25_n_dummy
/METHOD=ENTER foreignpct emprate sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V28_n_dummy
/METHOD=ENTER netmigpct sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5

```

```

country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V30_n_dummy
/METHOD=ENTER netmigpct sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V31_n_dummy
/METHOD=ENTER netmigpct sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V25_n_dummy
/METHOD=ENTER netmigpct sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V28_n_dummy
/METHOD=ENTER netmigpct socx sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V30_n_dummy
/METHOD=ENTER netmigpct socx sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V31_n_dummy
/METHOD=ENTER netmigpct socx sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5
country_6 country_7 country_8 country_9 country_10 country_11 country_12
country_13 V1_n
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).

LOGISTIC REGRESSION VARIABLES V25_n_dummy
/METHOD=ENTER netmigpct socx sex_n age_n age_n_square degree_primary_less
degree_university
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3
country_4 country_5

```

```
country_6 country_7 country_8 country_9 country_10 country_11 country_12  
country_13 V1_n  
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES V28_n_dummy  
/METHOD=ENTER netmigpct emprate sex_n age_n age_n_square degree_primary_less  
degree_university  
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3  
country_4 country_5  
country_6 country_7 country_8 country_9 country_10 country_11 country_12  
country_13 V1_n  
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES V30_n_dummy  
/METHOD=ENTER netmigpct emprate sex_n age_n age_n_square degree_primary_less  
degree_university  
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3  
country_4 country_5  
country_6 country_7 country_8 country_9 country_10 country_11 country_12  
country_13 V1_n  
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES V31_n_dummy  
/METHOD=ENTER netmigpct emprate sex_n age_n age_n_square degree_primary_less  
degree_university  
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3  
country_4 country_5  
country_6 country_7 country_8 country_9 country_10 country_11 country_12  
country_13 V1_n  
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

```
LOGISTIC REGRESSION VARIABLES V25_n_dummy  
/METHOD=ENTER netmigpct emprate sex_n age_n age_n_square degree_primary_less  
degree_university  
wrkst_part_time wrkst_active_unemployed wrkst_not_active country_2 country_3  
country_4 country_5  
country_6 country_7 country_8 country_9 country_10 country_11 country_12  
country_13 V1_n  
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

Team: 36
Software: Stata
Version: ORIGINAL

```
clear all
set more off

use "ZA2900.dta", clear

recode v3 (1=36) (20=124) (27=250) (2/3=276) (10=372) (24=392) (19=554) (12=578)
(25=724) (13=752) (30=756) (4=826) (6=840), gen(cntry)
label define countrylabel 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
"Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
"Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
"Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
"Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
"Great Britain" 840 "United States"
label values cntry countrylabel

recode v36 (1/2=1) (3/4=0), gen(b_jobs)
lab def b_jobs 0 "no support" 1 "support"
lab val b_jobs b_jobs

recode v38 (1/2=1) (3/4=0), gen(b_hcare)
lab def b_hcare 0 "no support" 1 "support"
lab val b_hcare b_hcare

recode v39 (1/2=1) (3/4=0), gen(b_retire)
lab def b_retire 0 "no support" 1 "support"
lab val b_retire b_retire

recode v41 (1/2=1) (3/4=0), gen(b_unemp)
lab def b_unemp 0 "no support" 1 "support"
lab val b_unemp b_unemp

recode v42 (1/2=1) (3/4=0), gen(b_incdiff)
lab def b_incdiff 0 "no support" 1 "support"
lab val b_incdiff b_incdiff

recode v44 (1/2=1) (3/4=0), gen(b_house)
lab def b_house 0 "no support" 1 "support"
lab val b_house b_house

rename v201 age
gen agesq=age^2

recode v200 (1=0) (2=1), gen(gender)

recode v205 (1/4=1) (5/6=2) (7=3), gen(education)
lab def edlabels 1 "less than Secondary" 2 "Secondary" 3 "University or above"
lab val education edlabels

gen emplst = .
replace emplst = 1 if v206 == 1 // full-time employment
replace emplst = 2 if v206 >= 2 & v206 <= 4 // part-time employment
replace emplst = 3 if v206 == 5 // unemployed
replace emplst = 4 if v206 >= 6 & v206 <= 10 // not in labour force

lab def emplstlabel 1 "full-time" 2 "part-time" 3 "unemployed" 4 "not in labour force"
lab value emplst emplstlabel

gen selfempl = 0
```



```

replace selfempl = 1 if v213 == 1

rename v218 faminc

gen inczscore=.
levelsof cntry, local(cntries)
foreach cntryval of local(cntries) {
    zscore faminc if cntry==`cntryval', listwise
    replace inczscore=z_faminc if cntry==`cntryval'
    drop z_faminc
}

// year
gen year=1996
gen yr2006=0

save "96_recoded.dta", replace

use "ZA4700.dta", clear

rename V3a cntry

recode V25 (1/2=1) (3/4=0), gen(b_jobs)
lab def b_jobs 0 "no support" 1 "support"
label val b_jobs b_jobs

recode V27 (1/2=1) (3/4=0), gen(b_hcare)
lab def b_hcare 0 "no support" 1 "support"
label val b_hcare b_hcare

recode V28 (1/2=1) (3/4=0), gen(b_retire)
lab def b_retire 0 "no support" 1 "support"
label val b_retire b_retire

recode V30 (1/2=1) (3/4=0), gen(b_unemp)
lab def b_unemp 0 "no support" 1 "support"
label val b_unemp b_unemp

recode V31 (1/2=1) (3/4=0), gen(b_incdiff)
lab def b_incdiff 0 "no support" 1 "support"
label val b_incdiff b_incdiff

recode V33 (1/2=1) (3/4=0), gen(b_house)
lab def b_house 0 "no support" 1 "support"
label val b_house b_house

gen agesq=age^2

recode sex (1=0) (2=1), gen(gender)
lab def gender 0 "male" 1 "female"
lab val gender gender

recode degree (0 1 2=1) (3 4=2) (5=3), gen(education)
lab def edlabels 1 "less than Secondary" 2 "Secondary" 3 "University or above"
lab val education edlabels

gen emplst = .
replace emplst = 1 if wrkst == 1 // full-time employment
replace emplst = 2 if wrkst >= 2 & wrkst <= 4 // part-time employment
replace emplst = 3 if wrkst == 5 // unemployed
replace emplst = 4 if wrkst >= 6 & wrkst <= 10 // not in labour force

```

```

lab def emplstlabel 1 "full-time" 2 "part-time" ///
3 "unemployed" 4 "not in labour force"
lab value emplst emplstlabel

gen selfempl = 0
replace selfempl = 1 if wrktype == 4

gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
    zscore `incvar', listwise
    replace inczscore=z_`incvar' if z_`incvar'!=.
    drop z_`incvar'
}

gen year=2006
gen yr2006=1

save "06_recoded.dta", replace

append using "96_recoded.dta"
sort cntry year
merge m:1 cntry year using "bradyfinnigan2014countrydata.dta"

recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) ///
(578=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(keep13)
keep if keep13 == 1

save "9606_pooled.dta", replace

use "9606_pooled.dta", clear

global controls "age agesq gender ib2.education i.emplst selfempl inczscore"

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {
    logit `v' $controls i.cntry yr2006, or
    outreg2 using "table4\mod_0", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    stats(coef tstat)
}

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {
    logit `v' foreignpct $controls i.cntry yr2006, or
    outreg2 using "table4\mod_1", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    stats(coef tstat)
}

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {
    logit `v' foreignpct socx $controls i.cntry yr2006, or
    outreg2 using "table4\mod_2", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    stats(coef tstat)
}

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {
    logit `v' foreignpct emprate $controls i.cntry yr2006, or
    outreg2 using "table4\mod_3", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    stats(coef tstat)
}

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {

```

```

logit `v' foreignpct socx emprate $controls i.cntyr yr2006, or
outreg2 using "table4\mod_4", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
stats(coef tstat)
}

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {
logit `v' $controls i.cntyr yr2006, or
outreg2 using "table5\mod_5", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
stats(coef tstat)
}

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {
logit `v' netmigpct $controls i.cntyr yr2006, or
outreg2 using "table5\mod_6", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
stats(coef tstat)
}

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {
logit `v' netmigpct socx $controls i.cntyr yr2006, or
outreg2 using "table5\mod_7", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
stats(coef tstat)
}

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {
logit `v' netmigpct emprate $controls emprate i.cntyr yr2006, or
outreg2 using "table5\mod_8", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
stats(coef tstat)
}

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {
logit `v' netmigpct foreignpct $controls i.cntyr yr2006, or
outreg2 using "table5\mod_9", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
stats(coef tstat)
}

foreach v in b_jobs b_unemp b_incdiff b_retire b_house b_hcare {
logit `v' netmigpct socx emprate $controls i.cntyr yr2006, or
outreg2 using "table5\mod_10", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
stats(coef tstat)
}

```

Team: 37
Software: Stata
Version: ORIGINAL

```
clear
version 14
set more off, permanently

import excel using "bradyfinnigan2014countrydata.xls", clear firstrow
drop if year == 2006
recode cntry (36 = 1 "Australia") (124 = 9 "Canada") (276 = 2 "Germany") ///
(372 = 5 "Ireland") (392 = 10 "Japan") (554 = 8 "New Zealand") ///
(578 = 6 "Norway") (724 = 11 "Spain") (752 = 7 "Sweden") (756 = 13 "Switzerland") ///
(826 = 3 "United Kingdom") (840 = 4 "United States") (250 = 12 "France") ///
(191 203 208 246 250 348 376 410 428 528 616 620 643 705 = .), gen(cntry1)
drop if cntry1 == .

keep foreignpct socx emprate netmig pop socdem liberal cntry1
gen netmigperc = 100*(netmig/pop)

save "countryprep1996.dta", replace

import excel using "bradyfinnigan2014countrydata.xls", clear firstrow
drop if year == 1996
recode cntry (36 = 1 "Australia") (124 = 9 "Canada") (276 = 2 "Germany") ///
(372 = 5 "Ireland") (392 = 10 "Japan") (554 = 8 "New Zealand") ///
(578 = 6 "Norway") (724 = 11 "Spain") (752 = 7 "Sweden") (756 = 13 "Switzerland") ///
(826 = 3 "United Kingdom") (840 = 4 "United States") (250 = 12 "France") ///
(191 203 208 246 250 348 376 410 428 528 616 620 643 705 = .), gen(cntry1)
drop if cntry1 == .

keep foreignpct socx emprate netmig pop socdem liberal cntry1
gen netmigperc = 100*(netmig/pop)

save "countryprep2006.dta", replace

use "ZA2900.dta", clear
recode v3 (1=1 "Australia") (2 3 = 2 "Germany") (4 5 = 3 "United Kingdom") ///
(6 = 4 "United States") (10 = 5 "Ireland") (12 = 6 "Norway") (13 = 7 "Sweden") ///
(19 = 8 "New Zealand") (20 = 9 "Canada") (24 = 10 "Japan") (25 = 11 "Spain") ///
(27 = 12 "France") (30 = 13 "Switzerland") ///
(7 8 9 11 14 15 16 17 18 21 22 23 26 28 = .), gen(cntry1)
drop if cntry1 == .

foreach var in v36 v41 v42 v39 v44 v38 {
    recode `var' 1 2 = 1 3 4 = 0
    label define dependent 1"should be" 0"should not be", replace
    label value `var' dependent
}

renames v36 v41 v42 v39 v44 v38 \ jobs unemployment income retirement housing
healthcare

rename v201 age
gen agesqr = age*age
rename v200 female
recode female 2=1 1=0

recode v205 (1 2 3 4 = 1 "less than secondary") (5 = 2 "Secondary") (6 7 = 3
"University or above"), ///
gen(edu)
```

```

gen empl = v206
recode empl 1 4 8= 1 2 3=2 5 = 3 10 6 7 9 = 4
replace empl = 5 if v213 == 1
label define empl ///
1 "full-time" ///
2 "part time" ///
3 "unemployed" ///
4 "not in the labor force" ///
5 "self-employed" ///
, replace
label value empl empl

foreach i of num 1/13 {
sum v218 if cntry1 == `i'
gen zincome`i' = (v218-r(mean))/r(sd) if cntry1 == `i'
recode zincome`i' . = 0
}

gen zincome = zincome1 +zincome2+zincome3 +zincome4+ zincome5 +zincome6+ zincome7+ ///
zincome8+zincome9+ zincome10+ zincome11+ zincome12+ zincome13

gen year = 1996

recode v202 (1 4 = 1 "married") (5=2 "never married") (3=3 "Divorced") (2=4
"Widowed"), gen(famstat)

rename v2 id

merge m:1 cntry1 using "countryprep1996.dta", keep(1 3)

save "prep1996.dta", replace

use "ZA4700.dta", clear
recode V3a (36 = 1 "Australia") (124 = 9 "Canada") (276 = 2 "Germany") ///
(372 = 5 "Ireland") (392 = 10 "Japan") (554 = 8 "New Zealand") ///
(578 = 6 "Norway") (724 = 11 "Spain") (752 = 7 "Sweden") (756 = 13 "Switzerland") ///
(826 = 3 "United Kingdom") (840 = 4 "United States") (250 = 12 "France") ///
(191 203 208 246 250 348 376 410 428 528 616 620 643 705 152 158 ///
214 608 710 858 862 = .), gen(cntry1)
drop if cntry1 == .

foreach var in V25 V30 V31 V28 V33 V27 {
recode `var' 1 2 = 1 3 4 = 0
label define dependent 1"should be" 0"should not be", replace
label value `var' dependent
}

renames V25 V30 V31 V28 V33 V27

gen agesqr = age*age
rename sex female
recode female 2=1 1=0

recode degree (0 1 2 = 1 "less than secondary") (3 = 2 "Secondary") (4 5 = 3
"University or above"), ///
gen(edu)

gen empl = wrkst
recode empl 1 4 8= 1 2 3=2 5 = 3 10 6 7 9 = 4
replace empl = 5 if wrktype == 4
label define empl ///
1 "full-time" ///

```

```

2 "part time" ///
3 "unemployed" ///
4 "not in the labor force" ///
5 "self-employed" ///
, replace
label value empl empl

foreach var in VE_RINC UY_RINC US_RINC TW_RINC CH_RINC SE_RINC ES_RINC KR_RINC ///
ZA_RINC SI_RINC RU_RINC PT_RINC PL_RINC PH_RINC NO_RINC NZ_RINC NL_RINC LV_RINC ///
JP_RINC IL_RINC IE_RINC HU_RINC GB_RINC DE_RINC FI_RINC FR_RINC DO_RINC DK_RINC ///
CZ_RINC HR_RINC CL_RINC CA_RINC AU_RINC {
    recode `var' . = 0
}

gen income_cn = VE_RINC +UY_RINC +US_RINC+ TW_RINC+ CH_RINC+ SE_RINC +ES_RINC +KR_RINC
///
+ZA_RINC +SI_RINC +RU_RINC +PT_RINC +PL_RINC +PH_RINC +NO_RINC +NZ_RINC +NL_RINC
+LV_RINC ///
+JP_RINC +IL_RINC +IE_RINC +HU_RINC+GB_RINC +DE_RINC+ FI_RINC+ FR_RINC +DO_RINC
+DK_RINC ///
+CZ_RINC +HR_RINC +CL_RINC +CA_RINC +AU_RINC

foreach i of num 1/13 {
    sum income_cn if cntry1 == `i'
    gen zincome`i' = (income-r(mean))/r(sd) if cntry1 == `i'
    recode zincome`i' . = 0
}

gen zincome = zincome1 +zincome2+zincome3 +zincome4+ zincome5 +zincome6+ zincome7+ ///
zincome8+zincome9+ zincome10+ zincome11+ zincome12+ zincome13

gen year = 2006

rename V2 id

recode marital (1 4 = 1 "married") (5=2 "never married") (3=3 "Divorced") (2=4
"Widowed"), gen(famstat)

merge m:1 cntry1 using "countryprep2006.dta", keep(1 3)
save "prep2006.dta", replace

use "prep2006.dta", clear
append using "prep1996.dta"

eststo m1: logit jobs foreignpct age agesqr female ib(2).edu i.empl zincome i.year
i.cntry1, or

esttab m1 using "table4.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m2: logit jobs foreignpct socx age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m2 using "table4.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m3: logit jobs foreignpct emprate age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m3 using "table4.rtf", eform ///

```

```

varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m4:logit unemployment foreignpct age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m4 using "table4.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m5: logit unemployment foreignpct socx age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m5 using "table4.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m6: logit unemployment foreignpct emprate age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m6 using "table4.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m7: logit income foreignpct age agesqr female ib(2).edu i.empl zincome i.year
i.cntry1, or
esttab m7 using "table4.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m8: logit income foreignpct socx age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m8 using "table4.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m9: logit income foreignpct emprate age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m9 using "table4.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m10: logit retirement foreignpct age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m10 using "table4.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m11: logit retirement foreignpct socx age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m11 using "table4.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m12: logit retirement foreignpct emprate age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or

```

```

esttab m12 using "table4.rtf", eform ///
        varwidth(15) modelwidth(15) ///
        legend label varlabels(_cons Constant) ///
        pr2 constant replace

eststo m13: logit housing foreignpct age agesqr female ib(2).edu i.empl zincome i.year
i.cntry1, or
esttab m13 using "table4.rtf", eform ///
        varwidth(15) modelwidth(15) ///
        legend label varlabels(_cons Constant) ///
        pr2 constant replace

eststo m14: logit housing foreignpct socx age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m14 using "table4.rtf", eform ///
        varwidth(15) modelwidth(15) ///
        legend label varlabels(_cons Constant) ///
        pr2 constant replace

eststo m15: logit housing foreignpct emprate age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m15 using "table4.rtf", eform ///
        varwidth(15) modelwidth(15) ///
        legend label varlabels(_cons Constant) ///
        pr2 constant replace

eststo m16: logit healthcare foreignpct age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m16 using "table4.rtf", eform ///
        varwidth(15) modelwidth(15) ///
        legend label varlabels(_cons Constant) ///
        pr2 constant replace

eststo m17: logit healthcare foreignpct socx age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m17 using "table4.rtf", eform ///
        varwidth(15) modelwidth(15) ///
        legend label varlabels(_cons Constant) ///
        pr2 constant replace

eststo m18: logit healthcare foreignpct emprate age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m18 using "table4.rtf", eform ///
        varwidth(15) modelwidth(15) ///
        legend label varlabels(_cons Constant) ///
        pr2 constant replace

eststo m1: logit jobs netmigperc age agesqr female ib(2).edu i.empl zincome i.year
i.cntry1, or
esttab m1 using "table5.rtf", eform ///
        varwidth(15) modelwidth(15) ///
        legend label varlabels(_cons Constant) ///
        pr2 constant replace

eststo m2: logit jobs netmigperc socx age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m2 using "table5.rtf", eform ///
        varwidth(15) modelwidth(15) ///
        legend label varlabels(_cons Constant) ///
        pr2 constant replace

```



```

eststo m3: logit jobs netmigperc emprate age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m3 using "table5.rtf", eform ///
            varwidth(15) modelwidth(15) ///
            legend label varlabels(_cons Constant) ///
            pr2 constant replace

eststo m4: logit jobs netmigperc foreignpct age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m4 using "table5.rtf", eform ///
            varwidth(15) modelwidth(15) ///
            legend label varlabels(_cons Constant) ///
            pr2 constant replace

eststo m5: logit unemployment netmigperc age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m5 using "table5.rtf", eform ///
            varwidth(15) modelwidth(15) ///
            legend label varlabels(_cons Constant) ///
            pr2 constant replace

eststo m6: logit unemployment netmigperc socx age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m6 using "table5.rtf", eform ///
            varwidth(15) modelwidth(15) ///
            legend label varlabels(_cons Constant) ///
            pr2 constant replace

eststo m7: logit unemployment netmigperc emprate age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m7 using "table5.rtf", eform ///
            varwidth(15) modelwidth(15) ///
            legend label varlabels(_cons Constant) ///
            pr2 constant replace

eststo m8: logit unemployment netmigperc foreignpct age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m8 using "table5.rtf", eform ///
            varwidth(15) modelwidth(15) ///
            legend label varlabels(_cons Constant) ///
            pr2 constant replace

eststo m9: logit income netmigperc age agesqr female ib(2).edu i.empl zincome i.year
i.cntry1, or
esttab m9 using "table5.rtf", eform ///
            varwidth(15) modelwidth(15) ///
            legend label varlabels(_cons Constant) ///
            pr2 constant replace

eststo m10: logit income netmigperc socx age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m10 using "table5.rtf", eform ///
            varwidth(15) modelwidth(15) ///
            legend label varlabels(_cons Constant) ///
            pr2 constant replace

```

```

eststo m11: logit income netmigperc emprate age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m11 using "table5.rtf", eform ///
                varwidth(15) modelwidth(15) ///
                legend label varlabels(_cons Constant) ///
                pr2 constant replace

eststo m12: logit income netmigperc foreignpct age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m12 using "table5.rtf", eform ///
                varwidth(15) modelwidth(15) ///
                legend label varlabels(_cons Constant) ///
                pr2 constant replace

eststo m13: logit retirement netmigperc age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m13 using "table5.rtf", eform ///
                varwidth(15) modelwidth(15) ///
                legend label varlabels(_cons Constant) ///
                pr2 constant replace

eststo m14: logit retirement netmigperc socx age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m14 using "table5.rtf", eform ///
                varwidth(15) modelwidth(15) ///
                legend label varlabels(_cons Constant) ///
                pr2 constant replace

eststo m15: logit retirement netmigperc emprate age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m15 using "table5.rtf", eform ///
                varwidth(15) modelwidth(15) ///
                legend label varlabels(_cons Constant) ///
                pr2 constant replace

eststo m16: logit retirement netmigperc foreignpct age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m16 using "table5.rtf", eform ///
                varwidth(15) modelwidth(15) ///
                legend label varlabels(_cons Constant) ///
                pr2 constant replace

eststo m17: logit housing netmigperc age agesqr female ib(2).edu i.empl zincome i.year
i.cntry1, or
esttab m17 using "table5.rtf", eform ///
                varwidth(15) modelwidth(15) ///
                legend label varlabels(_cons Constant) ///
                pr2 constant replace

eststo m18: logit housing netmigperc socx age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m18 using "table5.rtf", eform ///
                varwidth(15) modelwidth(15) ///
                legend label varlabels(_cons Constant) ///
                pr2 constant replace

eststo m19: logit housing netmigperc emprate age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m19 using "table5.rtf", eform ///

```

```

varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m20: logit housing netmigperc foreignpct age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m20 using "table5.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m21: logit healthcare netmigperc age agesqr female ib(2).edu i.empl zincome
i.year i.cntry1, or
esttab m21 using "table5.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m22: logit healthcare netmigperc socx age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m22 using "table5.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m23: logit healthcare netmigperc emprate age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m23 using "table5.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

eststo m24: logit healthcare netmigperc foreignpct age agesqr female ib(2).edu i.empl
zincome i.year i.cntry1, or
esttab m24 using "table5.rtf", eform ///
varwidth(15) modelwidth(15) ///
legend label varlabels(_cons Constant) ///
pr2 constant replace

```

Team: 38
Software: Stata
Version: ORIGINAL

```
version 15
clear all
macro drop _all
set more off, perm

use ZA2900.dta, clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
(14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
(24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
"Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
"Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
"Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
"Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
"Great Britain" 840 "United States"
label values v3a cntrylbl

recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)

recode v38 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)

recode v39 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)

recode v41 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)

recode v42 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)

recode v44 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

rename v201 age
recode v200 (1=0) (2=1), gen(female)
recode v205 (1/4=1) (5/6=2) (7=3), gen(educ)
label define educlbl 1 "lesshs" 2 "hs" 3 "univ"
label value educ educlbl

recode v206 (3/4=2) (5=3) (6/10=4), gen(empstat)
label define empstatlbl 1 "ftemp" 2 "ptemp" 3 "unemp" 4 "nolabor"
label value empstat empstatlbl

gen selfemp=v213==1 //recodes missings to 0
replace selfemp=. if v206==. //missings on empl. status

rename v218 faminc

gen inczscore=.
levelsof v3a, local(cntries)
foreach cntryval of local(cntries) {
    zscore faminc if v3a==`cntryval', listwise
    replace inczscore=z_faminc if v3a==`cntryval'
    drop z_faminc
}
```

```

}

gen year=1996
gen yr2006=0

rename v3a centry

ta v325, m
rename v325 wgths

save ISSP96recode.dta, replace

use ZA4700.dta, clear

recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)

recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)

recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)

recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)

recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)

recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

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

recode degree (0/2=1) (3/4=2) (5=3), gen(educ)
label define educlbl 1 "lesshs" 2 "hs" 3 "univ"
label value educ educlbl

recode wrkst (3/4=2) (5=3) (6/10=4), gen(empstat)
label define empstatlbl 1 "ftemp" 2 "ptemp" 3 "unemp" 4 "nolabor"
label value empstat empstatlbl

gen selfemp=wrktype==4
replace selfemp=. if wrkst==.

gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
  FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
  PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
  zscore `incvar', listwise
  replace inczscore=z_`incvar' if z_`incvar'!=.
  drop z_`incvar'
}

rename V3a centry
rename weight wgths

gen year=2006
gen yr2006=1

```

```

save ISSP06recode.dta, replace

append using ISSP96recode.dta
sort cntry year
merge m:1 cntry year using "BradyFinnigan2014CountryData.dta"

recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
  (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
  (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)

encode country, gen(cnt)

save ISSP9606.dta, replace

keep if orig13

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "c.age##c.age i.female i.b2.educ i.b1.empstat i.selfemp c.inczscore
  i.yr2006 i.b13.cnt"

foreach depvar in $depvars {
  logit `depvar' foreignpct $controls
  outreg2 using $tables/forborn9606.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **,
  *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' foreignpct socx $controls
  outreg2 using $tables/forborn9606socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
  **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' foreignpct emprate $controls
  outreg2 using $tables/forborn9606emprate.xls, excel alpha(0.001, 0.01, 0.05)
  sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' netmigpct $controls
  outreg2 using $tables/netmig9606.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' netmigpct socx $controls
  outreg2 using $tables/netmig9606socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
  **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' netmigpct emprate $controls
  outreg2 using $tables/netmig9606emprate.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
  **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' netmigpct foreignpct $controls
  outreg2 using $tables/netmig9606forborn.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
  **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```


Team: 39
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

gen year=1996

recode v3 (1=36 "AUS") (20=124 "CDN") (27=250 "FR") ///
  (2 3=276 "DE") (10=372 "IE") (24=392 "JP") (19=554 "NZ") ///
  (12=578 "NO") (25=724 "ES") (13=752 "SE") (30=756 "CH") ///
  (4=826 "GB") (6=840 "USA") (else=.), gen(country)

keep if country!=.

recode v36 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(jobs)
recode v41 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(unemp)
recode v42 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(inc)
recode v39 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(retire)
recode v44 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(house)
recode v38 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(health)

clonevar age = v201
gen age2 = age*age
recode v200 (1=0 "male") (2=1 "female"), gen(sex)
recode v202 (1=1 "married") (2=2 "widowed") (3=3 "divorced") (5=5 "not married") (else=.),
  gen(marital)

clonevar hhsz = v273

recode v274 (1 5 9 11 13 15 17 19 21 23 27=0 "no children") ///
  (2/4 6/8 10 12 14 16 18 20 22 24 26=1 "children in household") (else=.), gen(child)

clonevar urban = v275

recode v205 (2/4 = 1 "less than secondary") (5=2 "secondary") ///
  (6 7 = 3 "higher than secondary") (else=.), gen(edu)

recode v206 (2 3=1 "part-time") (1 5/10=0 "other") (else=.), gen(parttime)
recode v206 (5=1 "unemployed") (1/3 6/10=0 "other") (else=.), gen(unemployed)
recode v206 (6/10=1 "not in labour force") (1/3 5 =0 "other") (else=.), gen(not_lf)
recode v213 (1=1 "self-employed") (else=0 "work for someone else"), gen(selfemp)
gen public = 1 if v206==1 & (v212==1 | v212==2) // public full-time
gen private = 1 if v206==1 & v212==3 // private full-time

gen inczscore=.
levelsof country, local(cntry)
foreach cntryval of local(cntry) {
  zscore v218 if country==`cntryval', listwise
  replace inczscore=z_v218 if country==`cntryval'
  drop z_v218
}

recode v220 (5 6=0 "low religious attendance") (1/4=1 "high religious attendance"),
  gen(religious)

use "ZA4700.dta", clear

gen year=2006

recode V3a (36=36 "AUS") (124=124 "CDN") (208=208 "DK") (246=246 "FI") (250=250 "FR") ///
  (276=276 "DE") (372=372 "IE") (392=392 "JP") (528=528 "NL") (554 = 554 "NZ") ///
```



```

(578=578 "NO") (620=620 "PT") (724=724 "ES") (752=752 "SE") (756=756 "CH") ///
(826=826 "GB") (840=840 "USA") (else=.), gen(country)

keep if country != .

recode V25 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(jobs)
recode V30 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(unemp)
recode V31 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(inc)
recode V28 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(retire)
recode V33 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(house)
recode V27 (1 2 = 1 "should be") (3 4 = 0 "should not be"), gen(health)

gen age2 = age*age
rename sex gender
recode gender (1=0 "male") (2=1 "female"), gen(sex)
replace marital = . if marital==4
clonevar hhsz = hompop

recode hhcycle (1 5 9 11 13 15 17 19 21=0 "no children") ///
(2/4 6/8 10 12 14 16 18 20=1 "children in household") (else=.), gen(child)

recode urbrural (1=1 "urban") (2 3=2 "suburb/town") (4 5=3 "rural") (else=.), gen(urban)

recode degree (0/2 = 1 "less than secondary") (3=2 "secondary") ///
(4 5 = 3 "higher than secondary") (else=.), gen(edu)

recode wrkst (2 3=1 "part-time") (1 5/10=0 "other") (else=.), gen(parttime)
recode wrkst (5=1 "unemployed") (1/3 6/10=0 "other") (else=.), gen(unemployed)
recode wrkst (6/10=1 "not in labour force") (1/3 5 =0 "other") (else=.), gen(not_lf)
recode wrktype (4=1 "self-employed") (else=0 "work for someone else"), gen(selfemp)
gen public = 1 if wrkst==1 & (wrktype==1 | wrktype==2) // public full-time
gen private = 1 if wrkst==1 & wrktype==3 // private full-time

gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC DE_INC DK_INC ES_INC FI_INC FR_INC GB_INC IE_INC
JP_INC NL_INC NO_INC NZ_INC PT_INC SE_INC US_INC"
foreach incvar of local incvars {
    zscore `incvar', listwise
    replace inczscore=z_`incvar' if z_`incvar'!=.
    drop z_`incvar'
}

recode attend (6/8=0 "low religious attendance") (1/5=1 "high religious attendance"),
gen(religious)

save "issp06.dta", replace

import excel "bradyfinnigan2014countrydata.xls", clear firstrow

rename country country_str

recode cntry (36=36 "AUS") (124=124 "CDN") (208=208 "DK") (246=246 "FI") (250=250 "FR")
///
(276=276 "DE") (372=372 "IE") (392=392 "JP") (528=528 "NL") (554 = 554 "NZ") ///
(578=578 "NO") (620=620 "PT") (724=724 "ES") (752=752 "SE") (756=756 "CH") ///
(826=826 "GB") (840=840 "USA") (else=.), gen(country)

keep if country != .

sort country year

```

```

save "country_data.dta", replace

use "issp96.dta", clear
append using "issp06.dta"
sort country year

merge m:1 country year using "country_data.dta"

save "issp9606.dta", replace

use "issp9606.dta", clear

drop if country==208 | country==246 | country==528 | country==620

recode year (2006=1)(1996=0), gen(yr2006)

global depvars jobs unemp inc retire house health
global controls c.age c.age2 i.sex c.inczscore ///
               i.parttime i.unemployed i.not_lf i.selfemp ///
               i.yr2006 ib840.country

foreach var of varlist $depvars {
    quiet logit `var' c.foreignpct $controls , or
    eststo `var'_m1
    quiet logit `var' c.foreignpct c.socx $controls , or
    eststo `var'_m2
    quiet logit `var' c.foreignpct c.emprate $controls , or
    eststo `var'_m3
}

esttab jobs_m1 unemp_m1 inc_m1 retire_m1 house_m1 health_m1 ///
using "tab4_m1.rtf", replace ///
b(3) eform constant z(3) noparentheses drop(0.sex 0.parttime 0.unemployed ///
0.not_lf 0.selfemp 0.yr2006 840.country) nogaps compress ///
varlabels( foreignpct "Pct foreigners" ///
age "Age" ///
age2 "Age squared" ///
1.sex "Sex" ///
inczscore "Income z-score" ///
1.parttime "Part-time" ///
1.unemployed "Unemployed" ///
1.not_lf "Not in LF" ///
1.selfemp "Self-Employed" ///
1.yr2006 "2006" ///
36.country "AUS" ///
124.country "CDN" ///
250.country "FR" ///
276.country "DE" ///
372.country "IE" ///
392.country "JP" ///
554.country "NZ" ///
578.country "NO" ///
724.country "ES" ///
752.country "SE" ///
756.country "CH" ///
826.country "GB" )

esttab jobs_m2 unemp_m2 inc_m2 retire_m2 house_m2 health_m2 ///
using "tab4_m2.rtf", replace ///
b(3) eform constant z(3) noparentheses drop(0.sex 0.parttime 0.unemployed ///

```

```

0.not_lf 0.selfemp 0.yr2006 840.country) nogaps compress ///
varlabels( foreignpct "Pct foreigners" ///
    socx "Soc. Welf. Exp." ///
    age "Age" ///
    age2 "Age squared" ///
    1.sex "Sex" ///
    inczscore "Income z-score" ///
    1.parttime "Part-time" ///
    1.unemployed "Unemployed" ///
    1.not_lf "Not in LF" ///
    1.selfemp "Self-Employed" ///
    1.yr2006 "2006" ///
    36.country "AUS" ///
    124.country "CDN" ///
    250.country "FR" ///
    276.country "DE" ///
    372.country "IE" ///
    392.country "JP" ///
    554.country "NZ" ///
    578.country "NO" ///
    724.country "ES" ///
    752.country "SE" ///
    756.country "CH" ///
    826.country "GB" )
esttab jobs_m3 unemp_m3 inc_m3 retire_m3 house_m3 health_m3 ///
    using "tab4_m3.rtf", replace ///
b(3) eform constant z(3) noparentheses drop(0.sex 0.parttime 0.unemployed ///
0.not_lf 0.selfemp 0.yr2006 840.country) nogaps compress ///
varlabels( foreignpct "Pct foreigners" ///
    emprate "Empl. rate" ///
    age "Age" ///
    age2 "Age squared" ///
    1.sex "Sex" ///
    inczscore "Income z-score" ///
    1.parttime "Part-time" ///
    1.unemployed "Unemployed" ///
    1.not_lf "Not in LF" ///
    1.selfemp "Self-Employed" ///
    1.yr2006 "2006" ///
    36.country "AUS" ///
    124.country "CDN" ///
    250.country "FR" ///
    276.country "DE" ///
    372.country "IE" ///
    392.country "JP" ///
    554.country "NZ" ///
    578.country "NO" ///
    724.country "ES" ///
    752.country "SE" ///
    756.country "CH" ///
    826.country "GB" )

foreach var of varlist $depvars {
    quiet logit `var' c.netmigpct $controls , or
    eststo `var'_m1
    quiet logit `var' c.netmigpct c.socx $controls , or
    eststo `var'_m2
    quiet logit `var' c.netmigpct c.emprate $controls , or
    eststo `var'_m3
    quiet logit `var' c.netmigpct c.foreignpct $controls , or
    eststo `var'_m4

```

```

}

esttab jobs_m1 unemp_m1 inc_m1 retire_m1 house_m1 health_m1 ///
using "tab5_m1.rtf", replace ///
b(3) eform constant z(3) noparentheses drop(0.sex 0.parttime 0.unemployed ///
0.not_lf 0.selfemp 0.yr2006 840.country) nogaps compress ///
varlabels(netmigpct "Net mig pct" ///
age "Age" ///
age2 "Age squared" ///
1.sex "Sex" ///
inczscore "Income z-score" ///
1.parttime "Part-time" ///
1.unemployed "Unemployed" ///
1.not_lf "Not in LF" ///
1.selfemp "Self-Employed" ///
1.yr2006 "2006" ///
36.country "AUS" ///
124.country "CDN" ///
250.country "FR" ///
276.country "DE" ///
372.country "IE" ///
392.country "JP" ///
554.country "NZ" ///
578.country "NO" ///
724.country "ES" ///
752.country "SE" ///
756.country "CH" ///
826.country "GB" )

esttab jobs_m2 unemp_m2 inc_m2 retire_m2 house_m2 health_m2 ///
using "tab5_m2.rtf", replace ///
b(3) eform constant z(3) noparentheses drop(0.sex 0.parttime 0.unemployed ///
0.not_lf 0.selfemp 0.yr2006 840.country) nogaps compress ///
varlabels(netmigpct "Net mig pct" ///
socx "Soc. Welf. Exp." ///
age "Age" ///
age2 "Age squared" ///
1.sex "Sex" ///
inczscore "Income z-score" ///
1.parttime "Part-time" ///
1.unemployed "Unemployed" ///
1.not_lf "Not in LF" ///
1.selfemp "Self-Employed" ///
1.yr2006 "2006" ///
36.country "AUS" ///
124.country "CDN" ///
250.country "FR" ///
276.country "DE" ///
372.country "IE" ///
392.country "JP" ///
554.country "NZ" ///
578.country "NO" ///
724.country "ES" ///
752.country "SE" ///
756.country "CH" ///
826.country "GB" )

esttab jobs_m3 unemp_m3 inc_m3 retire_m3 house_m3 health_m3 ///
using "tab5_m3.rtf", replace ///
b(3) eform constant z(3) noparentheses drop(0.sex 0.parttime 0.unemployed ///
0.not_lf 0.selfemp 0.yr2006 840.country) nogaps compress ///
varlabels(netmigpct "Net mig pct" ///
emprate "Empl. rate" ///
age "Age" ///

```

```

age2 "Age squared" ///
1.sex "Sex" ///
inczscore "Income z-score" ///
1.parttime "Part-time" ///
1.unemployed "Unemployed" ///
1.not_lf "Not in LF" ///
1.selfemp "Self-Employed" ///
1.yr2006 "2006" ///
36.country "AUS" ///
124.country "CDN" ///
250.country "FR" ///
276.country "DE" ///
372.country "IE" ///
392.country "JP" ///
554.country "NZ" ///
578.country "NO" ///
724.country "ES" ///
752.country "SE" ///
756.country "CH" ///
826.country "GB" )

esttab jobs_m4 unemp_m4 inc_m4 retire_m4 house_m4 health_m4 ///
using "tab5_m4.rtf", replace ///
b(3) eform constant z(3) noparentheses drop(0.sex 0.parttime 0.unemployed ///
0.not_lf 0.selfemp 0.yr2006 840.country) nogaps compress ///
varlabels(netmigpct "Net mig pct" ///
emprate "Empl. rate" ///
age "Age" ///
age2 "Age squared" ///
1.sex "Sex" ///
inczscore "Income z-score" ///
1.parttime "Part-time" ///
1.unemployed "Unemployed" ///
1.not_lf "Not in LF" ///
1.selfemp "Self-Employed" ///
1.yr2006 "2006" ///
36.country "AUS" ///
124.country "CDN" ///
250.country "FR" ///
276.country "DE" ///
372.country "IE" ///
392.country "JP" ///
554.country "NZ" ///
578.country "NO" ///
724.country "ES" ///
752.country "SE" ///
756.country "CH" ///
826.country "GB" )

```

Team: 40
Software: Stata
Version: ORIGINAL

```
clear all
set more off
use "ZA2900.dta"

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
(14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
(24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
"Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
"Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
"Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
"Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
"Great Britain" 840 "United States"
label values v3a cntrylbl

recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
recode v38 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
recode v39 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)
recode v41 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)
recode v42 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)
recode v44 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

rename v201 age
gen agesq=age*age
recode v200 (1=0) (2=1), gen(female)
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some
Higher Ed" 5 "University or higher"
label values degree edlabels
recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)
rename v208 isco
rename v209 occ2
rename v215 hourswrk
recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptime)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)
gen selfemp=v213==1
replace selfemp=. if v206==.
gen pubemp=(v212==1 | v212==2)
replace pubemp=. if v206==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if v206==.
rename v218 faminc
gen inczscore=.
levelsof v3a, local(cntries)
```

```

    foreach cntryval of local cntries {
        zscore faminc if v3a==`cntryval', listwise
        replace inczscore=z_faminc if v3a==`cntryval'
        drop z_faminc
    }

    gen year=1996
    gen yr2006=0
    rename v3a cntry

save "ZA2900_formerge.dta", replace
use "ZA4700.dta", clear

    recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
    recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)
    recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
    recode govhcare (1/2=0) (3/4=1), gen(dhcare)
    recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
    recode govretire (1/2=0) (3/4=1), gen(dgovretire)
    recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
    recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)
    recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
    recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)
    recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
    recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

    gen agesq=age*age
    recode sex (1=0) (2=1), gen(female)
    rename degree edcat
    recode edcat (0=1), gen(degree)
    label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some
Higher Ed" 5 "University or higher"
    label values degree edlabels
    recode degree (1/2=1) (nonmiss=0), gen(lesshs)
    recode degree (3/4=1) (nonmiss=0), gen(hs)
    recode degree (5=1) (nonmiss=0), gen(univ)
    rename wrkst empstat
    rename ISCO88 isco // see pg 137 in codebook
    rename wrkhrs hourswrk
    recode empstat (2/10=0), gen(ftemp)
    recode empstat (2/4=1) (nonmiss=0), gen(ptemp)
    recode empstat (5=1) (nonmiss=0), gen(unemp)
    recode empstat (6/10=1) (nonmiss=0), gen(nolabor)
    gen selfemp=wrktype==4
    replace selfemp=. if empstat==.
    gen pubemp=(wrktype==1 | wrktype==2)
    replace pubemp=. if empstat==.
    gen pvtemp=(selfemp==0 & pubemp==0)
    replace pvtemp=. if empstat==.
    gen inczscore=.
    local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC
FI_INC FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC
NZ_INC PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
    foreach incvar of local incvars {
        zscore `incvar', listwise
        replace inczscore=z_`incvar' if z_`incvar'!=.
        drop z_`incvar'
    }

    rename V3a cntry
    gen year=2006

```

```

        gen yr2006=1

save "ZA4700_formerge.dta", replace

append using "ZA2900_formerge.dta"
    sort centry year
    merge m:1 centry year using "BradyFinnigan2014CountryData.dta"
    recode centry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
    (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
    recode centry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
    (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)

save "ZA29004700country.dta", replace

clear all
set more off

    global data "ZA29004700country.dta"
    global regtable "excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
ctitle(`depvar') eform bdec(3) sdec(2) stats(coef tstat) onecol append"
    global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
    global controls "age agesq female lesshs univ ptemp unemp nolabor selfemp
inczscore yr2006"
    global centryvars "foreignpct netmigpct socx emprate"
    use $data, clear
    keep if orig13
    keep $depvars $centryvars $controls centry
    egen allcontrols = rowmiss($controls)
    recode allcontrols (0=1) (nonmiss=0)
    quietly tab centry, gen(centryfe)

foreach depvar in $depvars {
    qui logit `depvar' foreignpct $controls centryfe*
    outreg2 using "$desktop\results\forborn9606", excel alpha(0.001, 0.01, 0.05)
    sym(**, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}
foreach depvar in $depvars {
    qui logit `depvar' foreignpct socx $controls centryfe*
    outreg2 using "$desktop\results\forborn9606socx", excel alpha(0.001, 0.01,
0.05) sym(**, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}
foreach depvar in $depvars {
    qui logit `depvar' foreignpct emprate $controls centryfe*
    outreg2 using "$desktop\results\forborn9606emprate", excel alpha(0.001, 0.01,
0.05) sym(**, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    qui logit `depvar' netmigpct $controls centryfe*
    outreg2 using "$desktop\results\netmig9606", excel alpha(0.001, 0.01, 0.05)
    sym(**, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}
foreach depvar in $depvars {
    qui logit `depvar' netmigpct socx $controls centryfe*
    outreg2 using "$desktop\results\netmig9606socx", excel alpha(0.001, 0.01, 0.05)
    sym(**, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}
foreach depvar in $depvars {
    qui logit `depvar' netmigpct emprate $controls centryfe*
    outreg2 using "$desktop\results\netmig9606emprate", excel alpha(0.001, 0.01,
0.05) sym(**, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```



```

}

foreach depvar in $depvars {
    qui logit `depvar' netmigpct foreignpct $controls centryfe*
    outreg2 using "$desktop\results\netmig9606forborn", excel alpha(0.001, 0.01,
0.05) sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}
foreach depvar in $depvars {
    qui logit `depvar' $controls centryfe*
    outreg2 using "$desktop\results\controls9606", excel alpha(0.001, 0.01, 0.05)
sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

Team: 41
Software: Mplus
Version: ORIGINAL

```
Title: xxx

Data:
File is final.csv ;

Variable:
Names are
cntry year emprate foreignpct netmig
pop socx issp cforborn netmigpct gdppc2006
socdem liberal ethnicht mcpcat mcpl980
mcp2000 mcp2010 mipex2007 mipex2010 mipex mcp
V36 V38 V39 V41 V42 V44 v200 v201 !jobs, health, retirement, unemployment,
income, housing, sex, age
v202 v205 v206 v212 v220 V273 v274 !marital status, education, employment1,
employment2, # in household, children
v275 v325 income !size of town, weights, income standardized by country
;

USEVARIABLE ARE
foreignpct !percentage of foreign born
!netmig !net migration
!socx !social welfare expenditures as a percent of GDP
!emprate !employment rate
!socdem !dummy for social democratic regime
!liberal !dummy for liberal regime
!mcp !Multiculturalism Policy Index

V201 !age
income !relative income based on country-year-specific z -scores
V201sq !age squared
sex !sex recoded such 1 = female
edu1 !education: less than second education
edu2 !education: university or above
employ1 !employment status: part-time
employ2 !employment status: unemployed
employ3 !employment status: not in the labor force
employ5 !employment status: self-employment
!individual level variables excluded in this analysis
!marital1 !marital status: never married
!marital2 !marital status: divorced
!marital3 !marital status: widowed
!V273 !household size
!children !1 = household with children
!domicil1 !suburb/town
!domicil2 !rural
!rlgatt1 !religious attendance: low
!rlgatt2 !religious attendance: high
!employ4 !employment status: public employment

!!!!!!!!!!!!contry/wave dummies!!!!!!!!!!!!
Y2006 CND FRA GER IRL
JPN NZL NOR SPA SWE SWZ GBR USA

!!!!!!!!!!!!dependent variables!!!!!!!!!!!!
jobs
!unemp
!incom
```

```

        !retire
        !hsing
        !hcare
        ;

    CATEGORICAL ARE jobs; ! unemp incom retire hsing hcare
    USEOBSERVATIONS ARE (cntry EQ 36 OR cntry EQ 124
    OR cntry EQ 250 OR cntry EQ 276 OR cntry EQ 372
    OR cntry EQ 392 OR cntry EQ 554 OR cntry EQ 578
    OR cntry EQ 724 OR cntry EQ 752 OR cntry EQ 756
    OR cntry EQ 826 OR cntry EQ 840);

    Missing are all (-9999) ;

ANALYSIS: estimator=ML;

DEFINE:
    Y2006 = 0;
    IF (year EQ 2006) THEN Y2006 = 1;
    IF (year EQ -9999) THEN Y2006 = -9999;

    AUS = 0;
    IF (cntry EQ 36) THEN AUS = 1;
    IF (cntry EQ -9999) THEN AUS = -9999;

    CND = 0;
    IF (cntry EQ 124) THEN CND = 1;
    IF (cntry EQ -9999) THEN CND = -9999;

    FRA = 0;
    IF (cntry EQ 250) THEN FRA = 1;
    IF (cntry EQ -9999) THEN FRA = -9999;

    GER = 0;
    IF (cntry EQ 276) THEN GER = 1;
    IF (cntry EQ -9999) THEN GER = -9999;

    IRL = 0;
    IF (cntry EQ 372) THEN IRL = 1;
    IF (cntry EQ -9999) THEN IRL = -9999;

    JPN = 0;
    IF (cntry EQ 392) THEN JPN = 1;
    IF (cntry EQ -9999) THEN JPN = -9999;

    NZL = 0;
    IF (cntry EQ 554) THEN NZL = 1;
    IF (cntry EQ -9999) THEN NZL = -9999;

    NOR = 0;
    IF (cntry EQ 578) THEN NOR = 1;
    IF (cntry EQ -9999) THEN NOR = -9999;

    SPA = 0;
    IF (cntry EQ 724) THEN SPA = 1;
    IF (cntry EQ -9999) THEN SPA = -9999;

    SWE = 0;
    IF (cntry EQ 752) THEN SWE = 1;
    IF (cntry EQ -9999) THEN SWE = -9999;

    SWZ = 0;
    IF (cntry EQ 756) THEN SWZ = 1;

```

```

IF (cntry EQ -9999) THEN SWZ = -9999;

GBR = 0;
IF (cntry EQ 826) THEN GBR = 1;
IF (cntry EQ -9999) THEN GBR = -9999;

USA = 0;
IF (cntry EQ 840) THEN USA = 1;
IF (cntry EQ -9999) THEN USA = -9999;

sex = 0; !reference cat "male"
IF (v200 EQ 2) THEN sex = 1;
IF (v200 EQ -9999) THEN sex = -9999;

marital1 = 0; !reference cat "married"
IF (V202 EQ 5) THEN marital1 = 1;
IF (V202 EQ -9999) THEN marital1 = -9999;
marital2 = 0;
IF (V202 EQ 3) THEN marital2 = 1;
IF (V202 EQ -9999) THEN marital2 = -9999;
marital3 = 0;
IF (V202 EQ 2) THEN marital3 = 1;
IF (V202 EQ -9999) THEN marital3 = -9999;

children = 0; !reference cat "no children"
IF (V274 EQ 2) THEN children = 1;
IF (V274 EQ 3) THEN children = 1;
IF (V274 EQ 4) THEN children = 1;
IF (V274 EQ 6) THEN children = 1;
IF (V274 EQ 7) THEN children = 1;
IF (V274 EQ 8) THEN children = 1;
IF (V274 EQ 10) THEN children = 1;
IF (V274 EQ 12) THEN children = 1;
IF (V274 EQ 14) THEN children = 1;
IF (V274 EQ 16) THEN children = 1;
IF (V274 EQ 18) THEN children = 1;
IF (V274 EQ 20) THEN children = 1;
IF (V274 EQ 22) THEN children = 1;
IF (V274 EQ 24) THEN children = 1;
IF (V274 EQ 26) THEN children = 1;
IF (V274 EQ 28) THEN children = 1;
IF (V274 EQ -9999) THEN children = -9999;

domicil1 = 0; !reference cat "urban"
IF (V275 EQ 2) THEN domicil1 = 1;
IF (V275 EQ -9999) THEN domicil1 = -9999;
domicil2 = 0;
IF (V275 EQ 3) THEN domicil2 = 1;
IF (V275 EQ -9999) THEN domicil2 = -9999;

edul = 0; !reference cat "secondary degree"
IF (V205 LT 5) THEN edul = 1;
IF (V205 EQ -9999) THEN edul = -9999;
edu2 = 0;
IF (V205 GT 5) THEN edu2 = 1;
IF (V205 EQ -9999) THEN edu2 = -9999;

rlgatt1 = 0; !reference cat "no attendance"
IF (V220 EQ 7) THEN rlgatt1 = 1;
IF (V220 EQ 6) THEN rlgatt1 = 1;
IF (V220 EQ -9999) THEN rlgatt1 = -9999;
rlgatt2 = 0;

```

```

IF (V220 LE 5) THEN rlgatt2 = 1;
IF (V220 EQ -9999) THEN rlgatt2 = -9999;

employ1 = 0; !reference cat "private full-time".
IF (V206 EQ 2) THEN employ1 = 1;
IF (V206 EQ -9999) THEN employ1 = -9999;
employ2 = 0;
IF (V206 EQ 5) THEN employ2 = 1;
IF (V206 EQ -9999) THEN employ2 = -9999;
employ3 = 0;
IF (V206 EQ 10) THEN employ3 = 1;
IF (V206 EQ -9999) THEN employ3 = -9999;
employ4 = 0;
IF (V212 EQ 4) THEN employ4 = 1;
IF (V212 EQ -9999) THEN employ4 = -9999;
employ5 = 0;
IF (V212 LE 2) THEN employ5 = 1;
IF (V212 EQ -9999) THEN employ5 = -9999;

V201sq = V201**2/10000;

!dicotomize dependent variables
IF (V36 EQ 1) THEN jobs = 1;
IF (V36 EQ 2) THEN jobs = 1;
IF (V36 GE 3) THEN jobs = 0;
IF (V36 EQ -9999) THEN jobs = -9999;

IF (V41 EQ 1) THEN unemp = 1;
IF (V41 EQ 2) THEN unemp = 1;
IF (V41 GE 3) THEN unemp = 0;
IF (V41 EQ -9999) THEN unemp = -9999;

IF (V42 EQ 1) THEN incom = 1;
IF (V42 EQ 2) THEN incom = 1;
IF (V42 GE 3) THEN incom = 0;
IF (V42 EQ -9999) THEN incom = -9999;

IF (V39 EQ 1) THEN retire = 1;
IF (V39 EQ 2) THEN retire = 1;
IF (V39 GE 3) THEN retire = 0;
IF (V39 EQ -9999) THEN retire = -9999;

IF (V44 EQ 1) THEN hsing = 1;
IF (V44 EQ 2) THEN hsing = 1;
IF (V44 GE 3) THEN hsing = 0;
IF (V44 EQ -9999) THEN hsing = -9999;

IF (V38 EQ 1) THEN hcare = 1;
IF (V38 EQ 2) THEN hcare = 1;
IF (V38 GE 3) THEN hcare = 0;
IF (V38 EQ -9999) THEN hcare = -9999;

MODEL:
jobs on
    foreignpct
    !netmig
    !socx
    !emprate

    !country/year dummies
    Y2006 CND FRA GER IRL
    JPN NZL NOR SPA SWE SWZ GBR USA

```

```
!individual level controls
  V201
  V201sq
  sex
  edu1
  edu2
  employ1
  employ2
  employ3
  employ5
  income
;
```

Team: 42
Software: Stata
Version: ORIGINAL

```
#delimit ;

global countries9606 "36 124 250 276 372 392 554 578 724 752 756 826 840";

global dv      " Jobs Unemp Income Retirement Housing Healthcare ";

global idv     " age age_sq female lessthansecondary university
                parttime unemp notinlabor selfemp inc_z";
                // currently taken from table S6 of online supplement;

capture net install zscore.pkg;

#delimit cr;

use "ZA2900", clear

gen year=1996
rename v2 id1996

gen  cntry = .           // labels in V3A from 2006 dataset           In
replace cntry = 36 if v3== 1 // AU-Australia                       *
replace cntry =276 if v3== 2 // DE-Germany
*
replace cntry =276 if v3== 3 // DE-Germany
replace cntry =826 if v3== 4 // GB-Great Britain                   * *
replace cntry =840 if v3== 6 // US-United States                   *
replace cntry =348 if v3== 8 // HU-Hungary
replace cntry =380 if v3== 9 // IT-Italy // looked up cntry code
replace cntry =372 if v3==10 // IE-Ireland
*
replace cntry =578 if v3==12 // NO-Norway
*
replace cntry =752 if v3==13 // SE-Sweden
*
replace cntry =203 if v3==14 // CZ-Czech Republic
replace cntry =705 if v3==15 // SI-Slovenia
replace cntry =616 if v3==16 // PL-Poland
replace cntry =100 if v3==17 // BG-Bulgaria
replace cntry =643 if v3==18 // RU-Russia
replace cntry =554 if v3==19 // NZ-New Zealand
*
replace cntry =124 if v3==20 // CA-Canada
*
replace cntry =608 if v3==21 // PH-Philippines
replace cntry =376 if v3==22 // IL-Israel
replace cntry =376 if v3==23 // IL-Israel
replace cntry =392 if v3==24 // JP-Japan
*
replace cntry =724 if v3==25 // ES-Spain
*
replace cntry =428 if v3==26 // LV-Latvia
replace cntry =250 if v3==27 // FR-France
*
replace cntry =196 if v3==28 // CY-Cyprus
```

```

replace cntry =756 if v3==30 // CH-Switzerland
*
assert cntry != .

gen keep=0
foreach country of global countries9606 {
    replace keep=1 if cntry==`country'
}

keep if keep==1
drop keep

gen Jobs = v36
    recode Jobs (1/2=1) (3/4=0)
    lab var Jobs "Jobs for all"
gen Unemp = v41
    recode Unemp (1/2=1) (3/4=0)
    lab var Unemp "Decent living for Unemployed"
gen Income = v42
    recode Income (1/2=1) (3/4=0)
    lab var Income "Reduce Income differences"
gen Retirement = v39
    recode Retirement (1/2=1) (3/4=0)
    lab var Retirement "Decent living for old"
gen Housing = v44
    recode Housing (1/2=1) (3/4=0)
    lab var Housing "Decent housing for poor"
gen Healthcare = v38
    recode Healthcare (1/2=1) (3/4=0)
    lab var Healthcare "Health care for sick"

recode v200 (1=0) (2=1), gen(female)
gen age = v201
gen age_sq = age * age

recode v202 (3 4 = 3) (5=4), gen(marstat)
ta marstat, gen(marstat_bin)
rename marstat_bin1 married
rename marstat_bin2 widowed
rename marstat_bin3 divorced
rename marstat_bin4 notmarried

rename v273 hhsz

gen childreninh = v274
replace childreninh = . if v274 == 95
recode childreninh (1 5 9 11 13 15 17 19 21 = 0)
recode childreninh (2 3 4 6 7 8 10 12 14 16 18 20 = 1)

ta v275, gen(urban_bin)
rename urban_bin1 urban
rename urban_bin2 suburb
rename urban_bin3 rural

recode v205 (1/4 = 1) (5/6=2) (7=3), gen(educ)
ta educ, gen(educ_bin)
rename educ_bin1 lessthansecondary
rename educ_bin2 secondary
rename educ_bin3 university

recode v206 (2/10=0), gen(fulltime)
recode v206 (2/4=1) (nonmiss=0), gen(parttime)

```



```

recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(notinlabor)

recode v212 (1/2=1) (3/.=0), gen(public)
recode v212 (3=1) (1 2/.=0), gen(private)
recode v213 (2/.=0), gen(selfemp)

gen inc_z=.
levelsof cntry, local(ct)
foreach cntryval of local ct {
    zscore v218 if cntry==`cntryval', listwise
    replace inc_z=z_v218 if cntry==`cntryval'
    drop z_v218
}

recode v220 (1/4=1) (5=2) (6=3) (nonmiss=0), gen(religion)
ta religion, gen(religion_bin)
rename religion_bin1 high_rel
rename religion_bin2 low_rel
rename religion_bin3 not_rel

order id cntry year $dv $idv
keep id cntry year $idv $dv

save "issp1996.dta", replace

use "ZA4700", clear

gen year=2006
rename V2 id2006

rename V3a cntry

gen keep=0
foreach country of global countries9606 {
    replace keep=1 if cntry==`country'
}

keep if keep==1
drop keep

gen Jobs = V25
    recode Jobs (1/2=1) (3/4=0)
    lab var Jobs "Jobs for all"
gen Unemp = V30
    recode Unemp (1/2=1) (3/4=0)
    lab var Unemp "Decent living for Unemployed"
gen Income = V31
    recode Income (1/2=1) (3/4=0)
    lab var Income "Reduce Income differences"
gen Retirement = V28
    recode Retirement (1/2=1) (3/4=0)
    lab var Retirement "Decent living for old"
gen Housing = V33
    recode Housing (1/2=1) (3/4=0)
    lab var Housing "Decent housing for poor"
gen Healthcare = V27
    recode Healthcare (1/2=1) (3/4=0)

```

```

lab var Healthcare "Health care for sick"

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

gen age_sq = age * age

rename marital marstat
ta marstat, gen(marstat_bin) // In the text they write "never married" instead of
"not married"
rename marstat_bin1 married
rename marstat_bin2 widowed
rename marstat_bin3 divorced
rename marstat_bin4 notmarried
rename hompop hhsize
gen childrenhhh = hhcycle
replace childrenhhh = . if hhcycle == 95 // "other" set to sysmis
recode childrenhhh (1 5 9 11 13 15 17 19 21 = 0)
recode childrenhhh (2 3 4 6 7 8 10 12 14 16 18 20 = 1)
recode urbrural (1=1) (2/3=2) (4/5=3), gen(region)
ta region, gen(urban_bin)
rename urban_bin1 urban
rename urban_bin2 suburb
rename urban_bin3 rural

recode degree (0/2 = 1) (3/4=2) (5=3), gen(educ)
ta educ, gen(educ_bin)
rename educ_bin1 lessthansecondary
rename educ_bin2 secondary
rename educ_bin3 university

recode wrkst (2/10=0), gen(fulltime)
recode wrkst (2/4=1) (nonmiss=0), gen(parttime)
recode wrkst (5=1) (nonmiss=0), gen(unemp)
recode wrkst (6/10=1) (nonmiss=0), gen(notinlabor)
recode wrktype (1/2=1) (3/.=0), gen(public)
recode wrktype (3=1) (1 2/.=0), gen(private) // Abweichung!
recode wrktype (2/.=0), gen(selfemp)

gen inc z=.
local inc_cntrs = "AU_INC CA_INC FR_INC DE_INC IE_INC JP_INC NZ_INC NO_INC ES_INC
SE_INC CH_INC GB_INC US_INC"
foreach inc_cntr of local inc_cntrs {
    zscore `inc_cntr', listwise
    replace inc_z=z_`inc_cntr' if z_`inc_cntr'!=.
    drop z_`inc_cntr'
}

recode attend (1/6=1) (7=2) (8=3) (nonmiss=0), gen(religion)
ta religion, gen(religion_bin)
rename religion_bin1 high_rel
rename religion_bin2 low_rel
rename religion_bin3 not_rel

order id cntry year $dv $idv
keep id cntry year $idv $dv

save "issp2006.dta", replace

use "bradyfinnigan2014countrydata", clear

lab var emprate "Employment Rate"
lab var foreignpct "Percent Foreign Born"

```

```

lab var socx          "Social Welfare Expenditures"
lab var netmigpct     "Net Migration"

keep cntry year emprate foreignpct socx netmigpct

save "countrydta.dta", replace

use                  "issp2006", clear // label for cntry only in 2006
append using "issp1996"

    order cntry year id1996 id2006

merge m:1 cntry year using "countrydta.dta", assert(2 3) keep(3) nogen

erase      "issp1996.dta"
erase      "issp2006.dta"
erase      "countrydta.dta"

lab var age "Age"
lab var age_sq "Age * Age"
lab var female "Female"
lab var lessthansecondary "Less than Secondary"
lab var university "University or Above"
lab var parttime "Part-Time Employment"
lab var unemp "Unemployed"
lab var notinlabor "Not in Labor Force"
lab var selfemp "Self-Employed"
lab var inc_z "Relative Income"

lab def year 1996 "1996" 2006 "2006"
lab val year year

global twfe " ib1996.year ib36.cntry "

foreach dv of global dv {
    #delimit;
    qui {;

        logit `dv' foreignpct          $idv $twfe; est store t41`dv'; loc t41`dv'=e(N);
        logit `dv' foreignpct socx      $idv $twfe; est store t42`dv'; loc t42`dv'=e(N);
        logit `dv' foreignpct emprate   $idv $twfe; est store t43`dv'; loc t43`dv'=e(N);

        logit `dv' netmigpct           $idv $twfe; est store t51`dv'; loc t51`dv'=e(N);
        logit `dv' netmigpct socx       $idv $twfe; est store t52`dv'; loc t52`dv'=e(N);
        logit `dv' netmigpct emprate    $idv $twfe; est store t53`dv'; loc t53`dv'=e(N);
        logit `dv' netmigpct foreignpct $idv $twfe; est store t54`dv'; loc t54`dv'=e(N);

    }; // quietly end
    #delimit cr;
}

matrix input t4N = ///
(`t41Jobs', `t41Unemp', `t41Income', `t41Retirement', `t41Housing', `t41Healthcare' \
///
`t42Jobs', `t42Unemp', `t42Income', `t42Retirement', `t42Housing', `t42Healthcare' \
///
`t43Jobs', `t43Unemp', `t43Income', `t43Retirement', `t43Housing', `t43Healthcare' )

matrix input t5N = ///
(`t51Jobs', `t51Unemp', `t51Income', `t51Retirement', `t51Housing', `t51Healthcare' \
///

```

```

    `t52Jobs', `t52Unemp', `t52Income', `t52Retirement', `t52Housing', `t52Healthcare' \
    ///
    `t53Jobs', `t53Unemp', `t53Income', `t53Retirement', `t53Housing', `t53Healthcare' \
    ///
    `t54Jobs', `t54Unemp', `t54Income', `t54Retirement', `t54Housing', `t54Healthcare' )

mat list t4N
mat list t5N

capt prog drop mergemodells
prog mergemodells, eclass
// assuming that last element in e(b)/e(V) is _cons
version 8
syntax namelist
tempname b V tmp
foreach name of local namelist {
    qui est restore `name'
    mat `b' = nullmat(`b') , e(b)
    mat `b' = `b'[1,1..colsof(`b')-1]
    mat `tmp' = e(V)
    mat `tmp' = `tmp'[1..rowsof(`tmp')-1,1..colsof(`tmp')-1]
    capt confirm matrix `V'
    if _rc {
        mat `V' = `tmp'
    }
    else {
        mat `V' = ///
            ( `V' , J(rowsof(`V'),colsof(`tmp'),0) ) \ ///
            ( J(rowsof(`tmp'),colsof(`V'),0) , `tmp' )
    }
}
local names: colfullnames `b'
mat coln `V' = `names'
mat rown `V' = `names'
eret post `b' `V'
eret local cmd "whatever"
end

foreach dv of global dv {

    mergemodells t41`dv' t42`dv' t43`dv'
    est sto t4`dv'

    mergemodells t51`dv' t52`dv' t53`dv' t54`dv'
    est sto t5`dv'
}

set matsize 1100

#delimit;
estout t4Jobs t4Unemp t4Income
t4Retirement t4Housing t4Healthcare
,
cells(b(star fmt(3)) t(par) ) eform

label collabels(none)
mlabels( $dv )
drop($idv 1996.year 2006.year
36.centry 124.centry 250.centry 276.centry 372.centry 392.centry
554.centry 578.centry 724.centry 752.centry 756.centry 826.centry

```

```

                                840.cntry
                                );

#delimit cr;

#delimit;
estout  t5Jobs                t5Unemp                t5Income
        t5Retirement        t5Housing              t5Healthcare
        ,
        cells(b(star fmt(3)) t(par) ) eform

        label collabels(none)
        mlabels( $dv )
        drop($idv 1996.year 2006.year
              36.cntry 124.cntry 250.cntry 276.cntry 372.cntry 392.cntry
              554.cntry 578.cntry 724.cntry 752.cntry 756.cntry 826.cntry
              840.cntry
                                );

#delimit cr;

mat list t4N
mat list t5N

esttab t41Jobs t41Unemp t41Income t41Retirement t41Housing t41Healthcare ///
       t42Jobs t42Unemp t42Income t42Retirement t42Housing t42Healthcare ///
       t43Jobs t43Unemp t43Income t43Retirement t43Housing t43Healthcare ///
       ///
       t51Jobs t51Unemp t51Income t51Retirement t51Housing t51Healthcare ///
       t52Jobs t52Unemp t52Income t52Retirement t52Housing t52Healthcare ///
       t53Jobs t53Unemp t53Income t53Retirement t53Housing t53Healthcare ///
       t54Jobs t54Unemp t54Income t54Retirement t54Housing t54Healthcare ///
       ///
       using RepTask01netmigpct_table4&5.csv, replace scsv          ///
       order(foreignpct socx foreignpct emprate netmigpct _cons $idv )  ///
       cells(b(star fmt(3)) t(par) ) eform                          ///
       legend stats(N , fmt(%9.0f))                                  ///
       nobase constant label mtitles($dv $dv $dv $dv $dv $dv $dv )

```

Team: 43
Software: SPSS
Version: ORIGINAL

```
GET FILE='\\ZA4747.sav'.

SELECT IF (V4=1996 or V4=2006).
EXECUTE.

SELECT IF (V6=36 or V6=124 or V6=250 or V6=276 or V6=372 or V6=392 or V6=554 or V6=578
or V6=724 or V6=752 or V6=756 or V6=826 or V6=840).
EXECUTE.

SAVE OUTFILE='\\ZA4747_Replication_V0.sav'
/COMPRESSED.

GET FILE='\\ZA4747_Replication_V0.sav'.

NUMERIC OldCare Unemp IncDiff Jobs (F2.0).
EXECUTE.
VARIABLE LABELS
  OldCare 'Gov. resp.: Old age care'
  Unemp 'Gov. resp.: Unemployment'
  IncDiff 'Gov. resp.: Reduce income differences'
  Jobs 'Gov. resp.: Jobs for everyone'.
RECODE V53 (1 thru 2=1) (3 thru 4=0) (MISSING=-99) into OldCare.
RECODE V55 (1 thru 2=1) (3 thru 4=0) (MISSING=-99) into Unemp.
RECODE V56 (1 thru 2=1) (3 thru 4=0) (MISSING=-99) into IncDiff.
RECODE V50 (1 thru 2=1) (3 thru 4=0) (MISSING=-99) into Jobs.
EXECUTE.
MISSING VALUES OldCare to Jobs (-99).

NUMERIC AGE2 (F4.2).
EXECUTE.
VARIABLE LABELS AGE2 'R: Age squared'.
COMPUTE AGE2=AGE*AGE.
EXECUTE.
RECODE AGE2 (MISSING=-99).
EXECUTE.
MISSING VALUES AGE2 (-99).

NUMERIC FEMALE (F2.0).
EXECUTE.
VARIABLE LABELS FEMALE 'R: Gender female'.
VALUE LABELS FEMALE 0 'Male' 1 'Female'.
RECODE SEX (1=0) (2=1) (MISSING=-99) into FEMALE.
EXECUTE.
MISSING VALUES FEMALE (-99).

NUMERIC EDUPRI EDUUNI (F2.0).
EXECUTE.
VARIABLE LABELS
  EDUPRI 'R: Education - Primary or less'
  EDUUNI 'R: Education - University or more'.
VALUE LABELS
  /EDUPRI 0 'More than primary education' 1 'Primary or less education'
  /EDUUNI 0 'Less than university education' 1 'University or more education'.
RECODE DEGREE (0 thru 1=1) (2 thru 5=0) (MISSING=-99) into EDUPRI.
RECODE DEGREE (0 thru 4=0) (5=1) (MISSING=-99) into EDUUNI.
EXECUTE.
MISSING VALUES EDUPRI EDUUNI (-99).
```

```

NUMERIC EMPPART EMPNOTA EMPUNEM (F2.0).
EXECUTE.
VARIABLE LABELS
  EMPPART 'R: Employment - Part-time'
  EMPNOTA 'R: Employment - Not active'
  EMPUNEM 'R: Employment - Active unemployed'.
VALUE LABELS
  /EMPPART 0 'Not part-time' 1 'Part-time'
  /EMPNOTA 0 'Active' 1 'Not active'
  /EMPUNEM 0 'Not active unemployed' 1 'Active unemployed'.
RECODE WRKST (2 thru 3=1) (1 4 thru 10=0) (MISSING=-99) into EMPPART.
RECODE WRKST (6 thru 10=1) (1 thru 5=0) (MISSING=-99) into EMPNOTA.
RECODE WRKST (4 thru 5=1) (1 thru 3 6 thru 10=0) (MISSING=-99) into EMPUNEM.
EXECUTE.
MISSING VALUES EMPPART to EMPUNEM (-99).

NUMERIC emprate foreignpct socx netmigpct (F8.6).
EXECUTE.

DO IF V4=1996.
  DO IF V6=36.
    COMPUTE emprate= 68.38307953 .
    COMPUTE foreignpct= 21.29999924 .
    COMPUTE socx= 16.60000038 .
    COMPUTE netmigpct= 1.294909239 .
  ELSE IF V6=124.
    COMPUTE emprate= 66.95101166 .
    COMPUTE foreignpct= 17.20000076 .
    COMPUTE socx= 18 .
    COMPUTE netmigpct= 2.1895926 .
  ELSE IF V6=250.
    COMPUTE emprate= 58.16967773 .
    COMPUTE foreignpct= 10.5 .
    COMPUTE socx= 28.79999924 .
    COMPUTE netmigpct= 0.413968593 .
  ELSE IF V6=276.
    COMPUTE emprate= 64.1518631 .
    COMPUTE foreignpct= 11 .
    COMPUTE socx= 27 .
    COMPUTE netmigpct= 3.244506598 .
  ELSE IF V6=372.
    COMPUTE emprate= 56.05609894 .
    COMPUTE foreignpct= 7.300000191 .
    COMPUTE socx= 14.69999981 .
    COMPUTE netmigpct= -0.034581654 .
  ELSE IF V6=392.
    COMPUTE emprate= 74.41401672 .
    COMPUTE foreignpct= 1.085999966 .
    COMPUTE socx= 14.5 .
    COMPUTE netmigpct= 0.377207547 .
  ELSE IF V6=554.
    COMPUTE emprate= 71.75603485 .
    COMPUTE foreignpct= 16.20000076 .
    COMPUTE socx= 18.89999962 .
    COMPUTE netmigpct= 3.88337779 .
  ELSE IF V6=578.
    COMPUTE emprate= 74.37256622 .
    COMPUTE foreignpct= 5.400000095 .
    COMPUTE socx= 22.5 .
    COMPUTE netmigpct= 0.973417461 .
  ELSE IF V6=724.
    COMPUTE emprate= 47.57519531 .
    COMPUTE foreignpct= 2.599999905 .

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    COMPUTE socx=      21.29999924 .
    COMPUTE netmigpct=    0.821687341 .
ELSE IF V6=752.
    COMPUTE emprate=  70.34078979 .
    COMPUTE foreignpct=  10.30000019 .
    COMPUTE socx=      31.60000038 .
    COMPUTE netmigpct=    1.707224607 .
ELSE IF V6=756.
    COMPUTE emprate=  82.60142517 .
    COMPUTE foreignpct=  20.89999962 .
    COMPUTE socx=      18 .
    COMPUTE netmigpct=    3.222482681 .
ELSE IF V6=826.
    COMPUTE emprate=  68.31567383 .
    COMPUTE foreignpct=    7.199999809 .
    COMPUTE socx=      19.89999962 .
    COMPUTE netmigpct=    0.288438112 .
ELSE IF V6=840.
    COMPUTE emprate=  71.77012634 .
    COMPUTE foreignpct=  10.69999981 .
    COMPUTE socx=      15.10000038 .
    COMPUTE netmigpct=    2.465555191 .
END IF.
ELSE IF V4=2006.
DO IF V6=36.
    COMPUTE emprate=  72.97335815 .
    COMPUTE foreignpct=  21.29999924 .
    COMPUTE socx=      17.10000038 .
    COMPUTE netmigpct=    3.144090652 .
ELSE IF V6=124.
    COMPUTE emprate=  72.69680023 .
    COMPUTE foreignpct=    19.5 .
    COMPUTE socx=      16.39999962 .
    COMPUTE netmigpct=    3.334561586 .
ELSE IF V6=250.
    COMPUTE emprate=  61.84713745 .
    COMPUTE foreignpct=  10.60000038 .
    COMPUTE socx=      29.10000038 .
    COMPUTE netmigpct=    1.24947679 .
ELSE IF V6=276.
    COMPUTE emprate=  67.40676117 .
    COMPUTE foreignpct=  12.89999962 .
    COMPUTE socx=      26.70000076 .
    COMPUTE netmigpct=    1.127768636 .
ELSE IF V6=372.
    COMPUTE emprate=  69.33929443 .
    COMPUTE foreignpct=  14.80000019 .
    COMPUTE socx=      16.70000076 .
    COMPUTE netmigpct=    5.522925854 .
ELSE IF V6=392.
    COMPUTE emprate=  76.22027588 .
    COMPUTE foreignpct=    1.56400001 .
    COMPUTE socx=      18.5 .
    COMPUTE netmigpct=    0.064184852 .
ELSE IF V6=554.
    COMPUTE emprate=  76.01436615 .
    COMPUTE foreignpct=  20.70000076 .
    COMPUTE socx=      18.5 .
    COMPUTE netmigpct=    2.480079412 .
ELSE IF V6=578.
    COMPUTE emprate=  76.38436127 .
    COMPUTE foreignpct=    8 .
    COMPUTE socx=      21.60000038 .

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    COMPUTE netmigpct=      1.825211406  .
ELSE IF V6=724.
    COMPUTE emprate=  64.84596252  .
    COMPUTE foreignpct=      10.60000038  .
    COMPUTE socx=      21.20000076  .
    COMPUTE netmigpct=      5.769342899  .
ELSE IF V6=752.
    COMPUTE emprate=  72.93346405  .
    COMPUTE foreignpct=      12.30000019  .
    COMPUTE socx=      29.39999962  .
    COMPUTE netmigpct=      2.063754082  .
ELSE IF V6=756.
    COMPUTE emprate=  84.54134369  .
    COMPUTE foreignpct=      22.29999924  .
    COMPUTE socx=      20.20000076  .
    COMPUTE netmigpct=      2.69005394  .
ELSE IF V6=826.
    COMPUTE emprate=  70.22309875  .
    COMPUTE foreignpct=      9.699999809  .
    COMPUTE socx=      21.20000076  .
    COMPUTE netmigpct=      1.573428631  .
ELSE IF V6=840.
    COMPUTE emprate=  71.92974091  .
    COMPUTE foreignpct=      13.30000019  .
    COMPUTE socx=      15.89999962  .
    COMPUTE netmigpct=      1.919101119  .
END IF.
END IF.
EXECUTE.

NUMERIC CAUS CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA (F2.0).
NUMERIC YEAR (F2.0).
EXECUTE.
VALUE LABELS
/CAUS 0 'Not Australia' 1 'Australia'
/CCAN 0 'Not Canada' 1 'Canada'
/CFRA 0 'Not France' 1 'France'
/CGER 0 'Not Germany' 1 'Germany'
/CIRE 0 'Not Ireland' 1 'Ireland'
/CJAP 0 'Not Japan' 1 'Japan'
/CNZE 0 'Not New Zealand' 1 'New Zealand'
/CNOR 0 'Not Norway' 1 'Norway'
/CESP 0 'Not Spain' 1 'Spain'
/CSWE 0 'Not Sweden' 1 'Sweden'
/CCHE 0 'Not Switzerland' 1 'Switzerland'
/CGBR 0 'Not Great Britain' 1 'Great Britain'
/CUSA 0 'Not United States of America' 1 'United States of America'
/year 0 '1996' 1 '2006'.
RECODE V6 (36=1) (0 thru 35 37 thru 999=0) into CAUS.
RECODE V6 (124=1) (0 thru 123 125 thru 999=0) into CCAN.
RECODE V6 (250=1) (0 thru 249 251 thru 999=0) into CFRA.
RECODE V6 (276=1) (0 thru 275 277 thru 999=0) into CGER.
RECODE V6 (372=1) (0 thru 371 373 thru 999=0) into CIRE.
RECODE V6 (392=1) (0 thru 391 393 thru 999=0) into CJAP.
RECODE V6 (554=1) (0 thru 553 555 thru 999=0) into CNZE.
RECODE V6 (578=1) (0 thru 577 579 thru 999=0) into CNOR.
RECODE V6 (724=1) (0 thru 723 725 thru 999=0) into CESP.
RECODE V6 (752=1) (0 thru 751 753 thru 999=0) into CSWE.
RECODE V6 (756=1) (0 thru 755 757 thru 999=0) into CCHE.
RECODE V6 (826=1) (0 thru 825 827 thru 999=0) into CGBR.
RECODE V6 (840=1) (0 thru 839 841 thru 999=0) into CUSA.
RECODE V4 (1996=0) (2006=1) into year.
EXECUTE.

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SAVE OUTFILE='\\ZA4747_Replication_V1.sav'
/COMPRESSED.

PLUM OldCare WITH foreignpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
  SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY.
PLUM Unemp WITH foreignpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
  SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY.
PLUM IncDiff WITH foreignpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
  SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY.
PLUM Jobs WITH foreignpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
  SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY.

PLUM OldCare WITH foreignpct socx
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
  SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY.
PLUM Unemp WITH foreignpct socx
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
  SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY.
PLUM IncDiff WITH foreignpct socx
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
  SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY.
PLUM Jobs WITH foreignpct socx
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
  SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY.

PLUM OldCare WITH foreignpct emprate

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    FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
    CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM Unemp WITH foreignpct emprate
    FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
    CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM IncDiff WITH foreignpct emprate
    FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
    CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM Jobs WITH foreignpct emprate
    FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
    CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.

PLUM OldCare WITH netmigpct
    FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
    CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM Unemp WITH netmigpct
    FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
    CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM IncDiff WITH netmigpct
    FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
    CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM Jobs WITH netmigpct
    FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
    CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.

PLUM OldCare WITH socx netmigpct
    FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
    CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT

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/PRINT=FIT PARAMETER SUMMARY.
PLUM Unemp WITH socx netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM IncDiff WITH socx netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM Jobs WITH socx netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.

PLUM OldCare WITH emprate netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM Unemp WITH emprate netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM IncDiff WITH emprate netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.
PLUM Jobs WITH emprate netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6)
SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY.

LOGISTIC REGRESSION VARIABLES OldCare
/METHOD=ENTER foreignpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Unemp
/METHOD=ENTER foreignpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES IncDiff

```

```

/METHOD=ENTER foreignpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Jobs
/METHOD=ENTER foreignpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES OldCare
/METHOD=ENTER foreignpct socx
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Unemp
/METHOD=ENTER foreignpct socx
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES IncDiff
/METHOD=ENTER foreignpct socx
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Jobs
/METHOD=ENTER foreignpct socx
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES OldCare
/METHOD=ENTER foreignpct emprate
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Unemp
/METHOD=ENTER foreignpct emprate
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES IncDiff
/METHOD=ENTER foreignpct emprate
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Jobs
/METHOD=ENTER foreignpct emprate
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES OldCare
/METHOD=ENTER netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Unemp
/METHOD=ENTER netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES IncDiff

```

```

/METHOD=ENTER netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Jobs
/METHOD=ENTER netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES OldCare
/METHOD=ENTER socx netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Unemp
/METHOD=ENTER socx netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES IncDiff
/METHOD=ENTER socx netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Jobs
/METHOD=ENTER socx netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES OldCare
/METHOD=ENTER emprate netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Unemp
/METHOD=ENTER emprate netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES IncDiff
/METHOD=ENTER emprate netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
LOGISTIC REGRESSION VARIABLES Jobs
/METHOD=ENTER emprate netmigpct
  FEMALE AGE AGE2 EDUPRI EDUUNI EMPPART EMPNOTA EMPUNEM
  CCAN CFRA CGER CIRE CJAP CNZE CNOR CESP CSWE CCHE CGBR CUSA YEAR
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

```

Team: 44
Software: Stata
Version: ORIGINAL

```
clear all

version 13.0
set more off
label define YN 1 "yes" 0 "no"

cd \
use ZA2900.dta, clear
replace v2 = v2 + 900000
gen year = 1996

append using ZA4700.dta
recode year (1 = 2006)
egen IDnr = rowmax(v2 V2)

recode v3 (1/6 10/13 19 20 24 25 27 30 =1) (else=0), gen(incl)
recode v3 ///
  (1 = 36 "Australia") ///
  (2 3 = 276 "Germany") ///
  (4 = 826 "UK") ///
  (6 = 840 "USA") ///
  (10 = 372 "Ireland") ///
  (12 = 578 "Norway") ///
  (13 = 752 "Sweden") ///
  (19 = 554 "New Zealand") ///
  (20 = 124 "Canada") ///
  (24 = 392 "Japan") ///
  (25 = 724 "Spain") ///
  (27 = 250 "France") ///
  (30 = 756 "Switzerland") ///
, gen(cntry)
tab v3 incl, missing
tab v3 cntry, missing

recode V3 (36 124 250 276.1 276.2 372 392 554 578 724 752 756 826.1 840 =1) (else=0),
  gen(incl06)
tab V3a incl06, missing

replace cntry = V3a if cntry == .
keep if incl == 1 | incl06 == 1

recode v36 (1 2 = 1) (3 4 = 0) (.=.), gen(JOBS)
recode V25 (1 2 = 1) (3 4 = 0) (.=.), gen(JOBS06)
replace JOBS = JOBS06 if JOBS == .
label values JOBS YN
label variable JOBS "Gvmnt should provide jobs"

recode v41 (1 2 = 1) (3 4 = 0) (.=.), gen(UNEM)
recode V30 (1 2 = 1) (3 4 = 0) (.=.), gen(UNEM06)
replace UNEM = UNEM06 if UNEM == .
label values UNEM YN
label variable UNEM "Gvmnt should provide for unemployed"

recode v42 (1 2 = 1) (3 4 = 0) (.=.), gen(RDIS)
recode V31 (1 2 = 1) (3 4 = 0) (.=.), gen(RDIS06)
replace RDIS = RDIS06 if RDIS == .
```

```

label values RDIS YN
label variable RDIS "Gvmnt should reduce income differences"

recode v39 (1 2 = 1) (3 4 = 0) (.=.), gen(ECAR)
recode V28 (1 2 = 1) (3 4 = 0) (.=.), gen(ECAR06)
replace ECAR = ECAR06 if ECAR == .
label values ECAR YN
label variable ECAR "Gvmnt should provide for the elderly"

recode v44 (1 2 = 1) (3 4 = 0) (.=.), gen(HOUS)
recode V33 (1 2 = 1) (3 4 = 0) (.=.), gen(HOUS06)
replace HOUS = HOUS06 if HOUS == .
label values HOUS YN
label variable HOUS "Gvmnt should provide decent housing"

recode v38 (1 2 = 1) (3 4 = 0) (.=.), gen(HLTH)
recode V27 (1 2 = 1) (3 4 = 0) (.=.), gen(HLTH06)
replace HLTH = HLTH06 if HLTH == .
label values HLTH YN
label variable HLTH "Gvmnt should provide healthcare"

gen AGE = max(v201, age)
label variable AGE "Age (yrs)"
gen AGE2 = AGE * AGE

egen WOM = rowmax(sex v200)
replace WOM = WOM - 1
label variable WOM "Woman"
label values WOM YN

egen MARR = rowmax(v202 marital)
recode MARR ///
  (1      = 1      "Married")          ///
  (5      = 2      "Never married")    ///
  (3 4    = 3      "Divorced/separated") ///
  (2      = 4      "Widowed")          ///
, gen(MSTAT)

tab MSTAT, gen(MST)
label variable MST1 "Marital status: Married"
label variable MST2 "Marital status: Never married"
label variable MST3 "Marital status: Divorced"
label variable MST4 "Marital status: Widowed"
label values MST? YN
drop MARR

egen HHSZ = rowmax(hompop v273)
label variable HHSZ "Household size (persons)"

egen CIH = rowmax(hhcycle v274)
recode CIH (1 5 9 11 13 15 17 19 21 23 27 =0) (. 95=.) (else=1)
label variable CIH "Children in household"
label values CIH YN

**      NOTE: B&F codes "incomplete university" (6 in 1996; 4 in 2006) as "secondary
education"
**      adjusted to account for this
recode v205 (5 6 =0) (1/4=1) (7 = 2) (else=.), gen(EDLVL)
recode degree (3 4 =0) (0/2=1) (5 = 2) (else=.), gen(EDLVL06)
replace EDLVL = EDLVL06 if EDLVL == .
tab EDLVL, gen(EDL)
label variable EDL1 "Education: secondary"
label variable EDL2 "Education: primary only"

```



```

label variable EDL3 "Education: university"
label values EDL? YN
drop EDLV*

recode v206 ///
  (1 = 0 "Full time") ///
  (2/4 = 1 "Part time") ///
  (5 = 2 "Unemployed") ///
  (6/10 = 3 "Not in labor force") ///
, gen(LSTATUS)
recode wrkst ///
  (1 = 0 "Full time") ///
  (2/4 = 1 "Part time") ///
  (5 = 2 "Unemployed") ///
  (6/10 = 3 "Not in labor force") ///
, gen(LSTATUS06)
replace LSTATUS = LSTATUS06 if LSTATUS == .

tab LSTATUS, gen(EMP)
label variable EMP1 "Employment: Full-time"
label variable EMP2 "Employment: Part-time"
label variable EMP3 "Employment: Unemployed"
label variable EMP4 "Employment: Not in force"
label values EMP? YN

gen SEMP = 1 if v213 == 1 | wrktype == 4
recode SEMP (.=0)
replace SEMP = . if LSTATUS == .
label variable SEMP "Self-employed"
label values SEMP YN

drop LSTATUS LSTATUS06

egen mean_inc = mean(v218), by(v3)
egen sd_inc = sd(v218), by(v3)
gen ZINC = (v218 - mean_inc) / sd_inc
drop *_inc

egen inc = rowmax(AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ///
  ES_INC FI_INC FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC ///
  LV_INC NL_INC NO_INC NZ_INC PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC ///
  TW_INC US_INC UY_INC VE_INC ZA_INC)
egen mean_inc = mean(inc), by(V3a)
egen sd_inc = sd(inc), by(V3a)
gen ZINC06 = (inc - mean_inc) / sd_inc
replace ZINC = ZINC06 if ZINC == .
drop ZINC06

recode v220 (6=0) (5=1) (1/4 = 2) (else=.), gen(REL)
recode attend (8=0) (6 7=1) (1/5 = 2) (else=.), gen(REL06)
replace REL = REL06 if REL == .
tab REL, gen(RATT)
label variable RATT1 "Religious attendance: none"
label variable RATT2 "Religious attendance: low"
label variable RATT3 "Religious attendance: high"
label values RATT? YN
drop REL*

egen WT = rowmax(weight v325)

```

```

merge m:1 cntry year using country.dta, keep(matched)
drop _merge

label variable foreignpct "Percent foreign born"
label variable netmig "Net migration"
label variable cforborn "Change in percentage foreign born"
label variable socx "Welfare spendings"
label variable socdem "Welfare regime: Social dem"
label variable liberal "Welfare regime: Liberal"
label variable emprate "Employment rate"
label variable mcp "Multicult. Policy Index"


global z AGE AGE2 WOM EDL2 EDL3 ZINC EMP2 EMP3 EMP4 SEMP i.cntry i.year
global x1 foreignpct
global x2 foreignpct socx
global x3 foreignpct emprate


qui logit JOBS $x1 $z , or
est store A1
qui logit JOBS $x2 $z , or
est store A2
qui logit JOBS $x3 $z , or
est store A3


qui logit UNEM $x1 $z, or
est store B1
qui logit UNEM $x2 $z, or
est store B2
qui logit UNEM $x3 $z, or
est store B3


qui logit RDIS $x1 $z, or
est store C1
qui logit RDIS $x2 $z, or
est store C2
qui logit RDIS $x3 $z, or
est store C3


qui logit ECAR $x1 $z , or
est store D1
qui logit ECAR $x2 $z , or
est store D2
qui logit ECAR $x3 $z , or
est store D3


qui logit HOUS $x1 $z, or
est store E1
qui logit HOUS $x2 $z, or
est store E2
qui logit HOUS $x3 $z, or
est store E3


qui logit HLTH $x1 $z, or
est store F1
qui logit HLTH $x2 $z, or
est store F2
qui logit HLTH $x3 $z, or
est store F3


esttab A1 A2 A3, keep(foreignpct socx emprate) eform z(3) label
esttab B1 B2 B3, keep(foreignpct socx emprate) eform z(3) label

```

```
esttab C1 C2 C3, keep(foreignpct socx emprate) eform z(3) label
esttab D1 D2 D3, keep(foreignpct socx emprate) eform z(3) label
esttab E1 E2 E3, keep(foreignpct socx emprate) eform z(3) label
esttab F1 F2 F3, keep(foreignpct socx emprate) eform z(3) label
```

```
global x1 netmigpct
global x2 netmigpct socx
global x3 netmigpct emprate
global x4 netmigpct foreignpct
```

```
qui logit JOBS $x1 $z , or
est store A1
qui logit JOBS $x2 $z , or
est store A2
qui logit JOBS $x3 $z , or
est store A3
qui logit JOBS $x4 $z , or
est store A4
```

```
qui logit UNEM $x1 $z, or
est store B1
qui logit UNEM $x2 $z, or
est store B2
qui logit UNEM $x3 $z, or
est store B3
qui logit UNEM $x4 $z, or
est store B4
```

```
qui logit RDIS $x1 $z, or
est store C1
qui logit RDIS $x2 $z, or
est store C2
qui logit RDIS $x3 $z, or
est store C3
qui logit RDIS $x4 $z, or
est store C4
```

```
qui logit ECAR $x1 $z , or
est store D1
qui logit ECAR $x2 $z , or
est store D2
qui logit ECAR $x3 $z , or
est store D3
qui logit ECAR $x4 $z , or
est store D4
```

```
qui logit HOUS $x1 $z, or
est store E1
qui logit HOUS $x2 $z, or
est store E2
qui logit HOUS $x3 $z, or
est store E3
qui logit HOUS $x4 $z, or
est store E4
```

```
qui logit HLTH $x1 $z, or
est store F1
qui logit HLTH $x2 $z, or
est store F2
qui logit HLTH $x3 $z, or
est store F3
qui logit HLTH $x4 $z, or
```

```
est store F4
```

```
esttab A1 A2 A3 A4, keep(netmigpct socx emprate foreignpct) eform z(3) label  
esttab B1 B2 B3 B4, keep(netmigpct socx emprate foreignpct) eform z(3) label  
esttab C1 C2 C3 C4, keep(netmigpct socx emprate foreignpct) eform z(3) label  
esttab D1 D2 D3 D4, keep(netmigpct socx emprate foreignpct) eform z(3) label  
esttab E1 E2 E3 E4, keep(netmigpct socx emprate foreignpct) eform z(3) label  
esttab F1 F2 F3 F4, keep(netmigpct socx emprate foreignpct) eform z(3) label
```

Team: 45
Software: Stata
Version: ORIGINAL

```
use "ZA2900_F1.dta", clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
      (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
      (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
      "Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
      "Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
      "Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
      "Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
      "Great Britain" 840 "United States"
label values v3a cntrylbl

recode v4 (2=0) (8/9=.) (0=.), gen(dobeylaws)

recode v5 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgprotest)
recode orgprotest (1/2=0) (3/4=1), gen(dorgprotest)

recode v6 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgmarch)
recode orgmarch (1/2=0) (3/4=1), gen(dmarch)

recode v7 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgstrike)
recode orgstrike (1/2=0) (3/4=1), gen(dorgstrike)

recode v25 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)

recode v26 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)

recode v27 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)

recode v28 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)

recode v29 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)

recode v30 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)

recode v31 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)

recode v32 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)

recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)

recode v38 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)

recode v38 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
```

```

recode v39 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)

recode v39 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)

recode v41 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)

recode v42 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)

recode v43 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)

recode v44 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

recode v45 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)

recode v19 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)

recode v20 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)

recode v21 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)

recode v22 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)

recode v23 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)

recode v24 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)

rename v201 age
gen agesq=age*age

recode v200 (1=0) (2=1), gen(female)

rename v202 marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode v203 (2=0), gen(partner)
rename v273 hhsize

recode v274 (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 27 {
    replace kidshh=1 if v274==`i'
    local i = `i' + 2
}

recode v275 (3=1) (nonmiss=0), gen(rural)
recode v275 (2=1) (nonmiss=0), gen(suburb)

```

```

rename v324 ETHNIC

rename v204 edyears
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
  Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename v208 isco
rename v209 occ2
rename v215 hourswrk

recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptemp)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=v213==1
replace selfemp=. if v206==.
gen pubemp=(v212==1 | v212==2)
replace pubemp=. if v206==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if v206==.

rename v218 faminc

gen inczscore=.
levelsof v3a, local(cntries)

findit zscore

foreach centryval of local cntries {
  zscore faminc if v3a==`centryval', listwise
  replace inczscore=z_faminc if v3a==`centryval'
  drop z_faminc
}

recode v222 (2=0), gen(union)

rename v223 party

recode v220 (1/2=1) (nonmiss=0), gen(highrel)
recode v220 (3/5=1) (nonmiss=0), gen(lowrel)
recode v220 (6=1) (nonmiss=0), gen(norel)
rename v220 religion

gen year=1996
gen yr2006=0

rename v3a cntry

rename v325 wgths

save "Brady_Finnigan_ISSP1996.dta", replace
clear

```

```

use "ZA4700.dta", clear

recode V17 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)

recode V18 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)

recode V19 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)

recode V20 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)

recode V21 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)

recode V22 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)

recode V23 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)

recode V24 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)

recode V35 (1=5) (2=4) (4=2) (5=1), gen(suchcare)
recode suchcare (1/3=0) (4/5=1), gen(dsuchcare)

recode V36 (1=5) (2=4) (4=2) (5=1), gen(sucret)
recode sucret (1/3=0) (4/5=1), gen(dsucret)

recode V37 (1=5) (2=4) (4=2) (5=1), gen(sucdef)
recode sucdef (1/3=0) (4/5=1), gen(dsucdef)

recode V38 (1=5) (2=4) (4=2) (5=1), gen(suclaw)
recode suclaw (1/3=0) (4/5=1), gen(dsuclaw)

recode V39 (1=5) (2=4) (4=2) (5=1), gen(sucunemp)
recode sucunemp (1/3=0) (4/5=1), gen(dsucunemp)

recode V40 (1=5) (2=4) (4=2) (5=1), gen(sucenv)
recode sucenv (1/3=0) (4/5=1), gen(dsucenv)

recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)

recode V26 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)

recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)

recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)

recode V29 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)

recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)

```



```

recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)

recode V32 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)

recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

recode V34 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)

recode V11 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)

recode V12 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)

recode V13 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)

recode V14 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)

recode V15 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)

recode V16 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)

rename V41 govdetain
recode govdetain (1/2=1) (3/4=0), gen(dgovdetain)

rename V42 govtapphone
recode govtapphone (1/2=1) (3/4=0), gen(dgovtap)

rename V43 govsearch
recode govsearch (1/2=1) (3/4=0), gen(dgovsearch)

rename V54 trustfew
recode trustfew (1/2 = 0) (3/5 = 1), gen(dtrust)

rename V55 takeadv
recode takeadv (1/2 = 0) (3/5 = 1), gen(dtakeadv)

*rename AGE age
gen agesq=age*age

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

rename marital marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode cohab (2=0), gen(partner)

rename hompop hhsize

recode hhcycle (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10

```

```

while `i' < 29 {
    replace kidshh=1 if hhcycle==`i'
    local i = `i' + 2
}

recode urbrural (1/3=0) (4/5=1), gen(rural)
recode urbrural (2/3=1) (nonmiss=0), gen(suburb)

rename educyrs edyears
rename degree edcat
recode edcat (0=1), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
    Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename wrkst empstat
rename ISCO88 isco
rename wrkhrs hourswrk

recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptemp)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=wrktype==4
replace selfemp=. if empstat==.
gen pubemp=(wrktype==1 | wrktype==2)
replace pubemp=. if empstat==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if empstat==.

gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
    FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
    PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
    zscore `incvar', listwise
    replace inczscore=z_`incvar' if z_`incvar'!=.
    drop z_`incvar'
}

recode union (2/3=0), gen(union)

rename PARTY_LR party

recode attend (1/3=1) (nonmiss=0), gen(highrel)
recode attend (4/7=1) (nonmiss=0), gen(lowrel)
recode attend (8=1) (nonmiss=0), gen(norel)
rename attend religion

rename V3a cntry

rename weight wghts

gen year=2006
gen yr2006=1

gen mail=mode==34

```

```

*save "ISSP06recode.dta", replace
save "Brady_Finnigan_ISSP2006.dta", replace

append using "Brady_Finnigan_ISSP1996.dta"
sort cntry year

merge m:1 cntry year using "/bradyfinnigan2014countrydata.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
(554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
(752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)

*save "ISSP9606.dta", replace
save "Brady_Finnigan_ISSP96_06.dta", replace

foreach depvar in $depvars {
    logit `depvar' foreignpct $controls cntryfe*
    outreg2 using "Table4.rtf", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct socx $controls cntryfe*
    outreg2 using "Table4A.rtf", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct emprate $controls cntryfe*
    outreg2 using "Table4B.rtf", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

eststo clear
eststo: quietly logistic dgovjobs foreignpct age agesq female lesshs univ ptemp unemp
nolabor selfemp inczscore yr2006 cntryfe1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovunemp foreignpct age agesq female lesshs univ ptemp unemp
nolabor selfemp inczscore yr2006 cntryfe1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovincdiff foreignpct age agesq female lesshs univ ptemp
unemp nolabor selfemp inczscore yr2006 cntryfe1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovretire foreignpct age agesq female lesshs univ ptemp
unemp nolabor selfemp inczscore yr2006 cntryfe1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovhous foreignpct age agesq female lesshs univ ptemp unemp
nolabor selfemp inczscore yr2006 cntryfe1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2

```

```

eststo: quietly logistic dhcare foreignpct age agesq female lesshs univ ptemp unemp
  nolabor selfemp inczscore yr2006 cntryfe1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
  cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
esttab using "Table4.rtf", eform z constant

eststo clear
eststo: quietly logistic dgovjobs foreignpct socx age agesq female lesshs univ ptemp
  unemp nolabor selfemp inczscore yr2006 cntryfe1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
  cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovunemp foreignpct socx age agesq female lesshs univ ptemp
  unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
  cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovincdiff foreignpct socx age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovretire foreignpct socx age agesq female lesshs univ ptemp
  unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
  cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovhous foreignpct socx age agesq female lesshs univ ptemp
  unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
  cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dhcare foreignpct socx age agesq female lesshs univ ptemp
  unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
  cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
esttab using "Table4B.rtf", eform z constant

eststo clear
eststo: quietly logistic dgovjobs foreignpct emprate age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovunemp foreignpct emprate age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovincdiff foreignpct emprate age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovretire foreignpct emprate age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dgovhous foreignpct emprate age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
eststo: quietly logistic dhcare foreignpct emprate age agesq female lesshs univ ptemp
  unemp nolabor selfemp inczscore yr2006 cntryfel1 cntryfe2 cntryfe3 cntryfe4 cntryfe5
  cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfell1 cntryfel2
esttab using "Table4C.rtf", eform z constant

foreach depvar in $depvars {
  logit `depvar' netmigpct $controls cntryfe*
  outreg2 using "Table5.rtf", excel alpha(0.001, 0.01, 0.05) sym(**, **, *) eform
  bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' netmigpct socx $controls cntryfe*
  outreg2 using "Table5A.rtf", excel alpha(0.001, 0.01, 0.05) sym(**, **, *) eform
  bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

```

foreach depvar in $depvars {
    logit `depvar' netmigpct emprate $controls cntryfe*
    outreg2 using "Table5B.rtf", excel alpha(0.001, 0.01, 0.05) sym(**, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct foreignpct $controls cntryfe*
    outreg2 using "Table5C.rtf", excel alpha(0.001, 0.01, 0.05) sym(**, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

eststo clear
eststo: quietly logistic dgovjobs netmigpct age agesq female lesshs univ ptemp unemp
        nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dgovunemp netmigpct age agesq female lesshs univ ptemp unemp
        nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dgovincdiff netmigpct age agesq female lesshs univ ptemp
        unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dgovretire netmigpct age agesq female lesshs univ ptemp unemp
        nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dgovhous netmigpct age agesq female lesshs univ ptemp unemp
        nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dhcare netmigpct age agesq female lesshs univ ptemp unemp
        nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
esttab using "Table5.rtf", eform z constant

eststo clear
eststo: quietly logistic dgovjobs netmigpct socx age agesq female lesshs univ ptemp
        unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dgovunemp netmigpct socx age agesq female lesshs univ ptemp
        unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dgovincdiff netmigpct socx age agesq female lesshs univ ptemp
        unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dgovretire netmigpct socx age agesq female lesshs univ ptemp
        unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dgovhous netmigpct socx age agesq female lesshs univ ptemp
        unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dhcare netmigpct socx age agesq female lesshs univ ptemp
        unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
esttab using "Table5B.rtf", eform z constant

eststo clear
eststo: quietly logistic dgovjobs netmigpct emprate age agesq female lesshs univ ptemp
        unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
        cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12
eststo: quietly logistic dgovunemp netmigpct emprate age agesq female lesshs univ
        ptemp unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4
        cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel10 cntryfel11 cntryfel12

```

```

eststo: quietly logistic dgovincdiff netmigpct emprate age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfe1 cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfel1 cntryfel2
eststo: quietly logistic dgovretire netmigpct emprate age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfel1 cntryfel2
eststo: quietly logistic dgovhous netmigpct emprate age agesq female lesshs univ ptemp
  unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
  cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfel1 cntryfel2
eststo: quietly logistic dhcare netmigpct emprate age agesq female lesshs univ ptemp
  unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4 cntryfe5
  cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfel1 cntryfel2
esttab using "Table5C.rtf", eform z constant

eststo clear
eststo: quietly logistic dgovjobs netmigpct foreignpct age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfel1 cntryfel2
eststo: quietly logistic dgovunemp netmigpct foreignpct age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfel1 cntryfel2
eststo: quietly logistic dgovincdiff netmigpct foreignpct age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfel1 cntryfel2
eststo: quietly logistic dgovretire netmigpct foreignpct age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfel1 cntryfel2
eststo: quietly logistic dgovhous netmigpct foreignpct age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfel1 cntryfel2
eststo: quietly logistic dhcare netmigpct foreignpct age agesq female lesshs univ
  ptemp unemp nolabor selfemp inczscore yr2006 cntryfel cntryfe2 cntryfe3 cntryfe4
  cntryfe5 cntryfe6 cntryfe7 cntryfe8 cntryfe9 cntryfel0 cntryfel1 cntryfel2
esttab using "Table5D.rtf", eform z constant

```

Team: 46
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

decode v3, gen (country)

rename v2 id

replace country="Germany" if country=="D-E" | country=="D-W"
replace country="Israel" if country=="IL-A" | country=="IL-J"
replace country="Ireland" if country=="irl"
replace country="New Zealand" if country=="nz"
replace country="Poland" if country=="pl"
replace country="United States" if country=="usa"
replace country="Australia" if country=="aus"
replace country="Russia" if country=="rus"
replace country="Czech Republic" if country=="cz"
replace country="United Kingdom" if country=="gb"
replace country="Slovenia" if country=="slo"
replace country="Latvia" if country=="lv"
replace country="Bulgaria" if country=="bg"
replace country="Canada" if country=="cdn"
replace country="Switzerland" if country=="ch"
replace country="Spain" if country=="e"
replace country="France" if country=="f"
replace country="Hungary" if country=="h"
replace country="Italy" if country=="i"
replace country="Japan" if country=="j"
replace country="Norway" if country=="n"
replace country="Philippines" if country=="rp"
replace country="Sweden" if country=="s"

gen year=1996

rename v39 elderly
label variable elderly "Old Age Care"

rename v41 unemployed
label variable unemployed "Unemployed"

rename v42 ReduceIncDiff
label variable ReduceIncDiff "Reduce Income Differences"

rename v36 jobs
label variable jobs "Jobs"

label define supportgov 1 "Support" 0 "Oppose"

foreach x in elderly unemployed ReduceIncDiff jobs {
  recode `x' 3/4=0 1/2=1
  label values `x' supportgov
}

recode v200 1=0 2=1, into(Female)

rename v201 age
gen agesq = age * age

recode v205 1/3=1 4/5=2 6/7=3, into(education)
```

```

label define ed 1 "Primary or lower" 2 "Secondary" 3 "University or higher"
label values education ed

recode v206 1=4 2=1 3=1 4=2 5=3 6=2 7=2 8=2 9=2 10=2 99=., into(workstatus)

label define workstat 1 "Part-time" 2 "Not active" 3 "Active unemployed" 4 "Full time"
label values workstatus workstat
tab v206 workstatus

rename v325 weight

keep id age agesq Female elderly unemployed ReduceIncDiff jobs year country ///
education workstatus weight

save "cleanisspl1996.dta", replace

use "ZA4700.dta", clear

decode V3a, gen (country)

duplicates report V2

codebook country
replace country = "Australia" if country=="AU-Australia"
replace country = "Canada" if country=="CA-Canada"
replace country = "Switzerland" if country=="CH-Switzerland"
replace country = "Chile" if country=="CL-Chile"
replace country = "Czech Republic" if country=="CZ-Czech Republic"
replace country = "Denmark" if country=="DK-Denmark"
replace country = "Dominican Republic" if country=="DO-Dominican Republic"
replace country = "Spain" if country=="ES-Spain"
replace country = "Finland" if country=="FI-Finland"
replace country = "France" if country=="FR-France"
replace country = "Croatia" if country=="HR-Croatia"
replace country = "Hungary" if country=="HU-Hungary"
replace country = "Ireland" if country=="IE-Ireland"
replace country = "Japan" if country=="JP-Japan"
replace country = "South Korea" if country=="KR-South Korea"
replace country = "Latvia" if country=="LV-Latvia"
replace country = "Netherlands" if country=="NL-Netherlands"
replace country = "Norway" if country=="NO-Norway"
replace country = "New Zealand" if country=="NZ-New Zealand"
replace country = "Philippines" if country=="PH-Philippines"
replace country = "Poland" if country=="PL-Poland"
replace country = "Portugal" if country=="PT-Portugal"
replace country = "Russia" if country=="RU-Russia"
replace country = "Sweden" if country=="SE-Sweden"
replace country = "Slovenia" if country=="SI-Slovenia"
replace country = "Taiwan" if country=="TW-Taiwan"
replace country = "United States" if country=="US-United States"
replace country = "Uruguay" if country=="UY-Uruguay"
replace country = "Venezuela" if country=="VE-Venezuela"
replace country = "South Africa" if country=="ZA-South Africa"
replace country = "United Kingdom" if country=="GB-Great Britain"
replace country = "Germany" if country=="DE-Germany"
replace country = "Israel" if country=="IL-Israel"

gen year = 2006
list V2

```



```

rename V28 elderly
label variable elderly "Old Age Care"

rename V30 unemployed
label variable unemployed "Unemployed"

rename V31 ReduceIncDiff
label variable ReduceIncDiff "Reduce Income Differences"

rename V25 jobs
label variable jobs "Jobs"

label define supportgov 1 "Support" 0 "Oppose"

foreach x in elderly unemployed ReduceIncDiff jobs {
  recode `x' 3/4=0 1/2=1
  label values `x' supportgov
}

recode sex 1=0 2=1, into(Female)

gen agesq = age * age

recode degree 0/1=1 2/3=2 4/5=3, into(education)
label define ed 1 "Primary or lower" 2 "Secondary" 3 "University or higher"
label values education ed

recode wrkst 1=4 2=1 3=1 4=2 5=3 6=2 7=2 8=2 9=2 10=2 97/99=., into(workstatus)

label define workstat 1 "Part-time" 2 "Not active" 3 "Active unemployed" 4 "Full time"
label values workstatus workstat

gen id = _n

keep age agesq Female elderly unemployed ReduceIncDiff jobs year country ///
  education workstatus weight

save "cleanissp2006.dta", replace

use "L2data.dta", clear

replace country = "Israel" if country=="Isreal"

foreach x in emprate foreignpct socx netmigpct {
  gen `x'miss=0
  replace `x'miss=1 if `x'==.
}

foreach x in empratemiss foreignpctmiss socxmiss netmigpctmiss {
  egen `x'c = sum(`x'), by(country)
}

foreach x in empratemissc foreignpctmissc socxmissc netmigpctmissc{
  drop if `x'>0
}

drop empratemiss foreignpctmiss socxmiss netmigpctmiss empratemissc foreignpctmissc
  socxmissc netmigpctmissc

save "l2clean.dta", replace

use "cleanissp1996.dta", clear

```

```

append using "cleanissp2006.dta"

merge m:1 year country using "l2clean.dta"
drop if _merge==2

egen sdyer = sd(year), by(country)
drop if sdyer==0
drop if netmigpct==.

encode country, gen(ctry)
tostring year, gen(yr)
gen ctryyear = country + yr
encode ctryyear , gen(cy)

save "merge_data.dta", replace

use "merge_data.dta", replace

eststo b1: logit elderly Female age agesq ib2.education i.year i.ctry ib4.workstatus ,
or cl(cy)
eststo b2: logit unemployed Female age agesq ib2.education i.year i.ctry
ib4.workstatus , or cl(cy)
eststo b3: logit ReduceIncDiff Female age agesq ib2.education i.year i.ctry
ib4.workstatus , or cl(cy)
eststo b4: logit jobs Female age agesq ib2.education i.year i.ctry ib4.workstatus , or
cl(cy)
gen sample = e(sample)

eststo imm1: logit elderly Female age agesq ib2.education i.year i.ctry ib4.workstatus
foreignpct , or cl(cy)
eststo imm2: logit unemployed Female age agesq ib2.education i.year i.ctry
ib4.workstatus foreignpct , or cl(cy)
eststo imm3: logit ReduceIncDiff Female age agesq ib2.education i.year i.ctry
ib4.workstatus foreignpct, or cl(cy)
eststo imm4: logit jobs Female age agesq ib2.education i.year i.ctry ib4.workstatus
foreignpct , or cl(cy)
gen sample2 = e(sample)

eststo immwelf1: logit elderly Female age agesq ib2.education i.year i.ctry
ib4.workstatus foreignpct socx , or cl(cy)
eststo immwelf2: logit unemployed Female age agesq ib2.education i.year i.ctry
ib4.workstatus foreignpct socx , or cl(cy)
eststo immwelf3: logit ReduceIncDiff Female age agesq ib2.education i.year i.ctry
ib4.workstatus foreignpct socx , or cl(cy)
eststo immwelf4: logit jobs Female age agesq ib2.education i.year i.ctry
ib4.workstatus foreignpct socx , or cl(cy)

eststo immempl: logit elderly Female age agesq ib2.education i.year i.ctry
ib4.workstatus foreignpct emprate , or cl(cy)
eststo immemp2: logit unemployed Female age agesq ib2.education i.year i.ctry
ib4.workstatus foreignpct emprate , or cl(cy)
eststo immemp3: logit ReduceIncDiff Female age agesq ib2.education i.year i.ctry
ib4.workstatus foreignpct emprate , or cl(cy)
eststo immemp4: logit jobs Female age agesq ib2.education i.year i.ctry ib4.workstatus
foreignpct emprate , or cl(cy)

eststo immigch1: logit elderly Female age agesq ib2.education i.year i.ctry
ib4.workstatus netmigpct , or cl(cy)

```

```

eststo immigch2: logit unemployed Female age agesq ib2.education i.year i.ctr
  ib4.workstatus netmigpct , or cl(cy)
eststo immigch3: logit ReduceIncDiff Female age agesq ib2.education i.year i.ctr
  ib4.workstatus netmigpct , or cl(cy)
eststo immigch4: logit jobs Female age agesq ib2.education i.year i.ctr
  ib4.workstatus netmigpct, or cl(cy)

eststo chwelf1: logit elderly Female age agesq ib2.education i.year i.ctr
  ib4.workstatus netmigpct socx , or cl(cy)
eststo chwelf2: logit unemployed Female age agesq ib2.education i.year i.ctr
  ib4.workstatus netmigpct socx , or cl(cy)
eststo chwelf3: logit ReduceIncDiff Female age agesq ib2.education i.year i.ctr
  ib4.workstatus netmigpct socx , or cl(cy)
eststo chwelf4: logit jobs Female age agesq ib2.education i.year i.ctr ib4.workstatus
  netmigpct socx , or cl(cy)

eststo chemp1: logit elderly Female age agesq ib2.education i.year i.ctr
  ib4.workstatus netmigpct emprate , or cl(cy)
eststo chemp2: logit unemployed Female age agesq ib2.education i.year i.ctr
  ib4.workstatus netmigpct emprate , or cl(cy)
eststo chemp3: logit ReduceIncDiff Female age agesq ib2.education i.year i.ctr
  ib4.workstatus netmigpct emprate , or cl(cy)
eststo chemp4: logit jobs Female age agesq ib2.education i.year i.ctr ib4.workstatus
  netmigpct emprate , or cl(cy)

esttab ///
  imm1 imm2 imm3 imm4 ///
  immwelf11 immwelf12 immwelf13 immwelf14 ///
  immemp1 immemp2 immemp3 immemp4 ///
  immigch1 immigch2 immigch3 immigch4 ///
  chwelf1 chwelf2 chwelf3 chwelf4 ///
  chemp1 chemp2 chemp3 chemp4 ///
  using "resultsround1_unweighted.csv", eform z constant label replace ///
  order(foreignpct socx emprate netmigpct Female age agesq 1.education 2.education
  3.education 1.workstatus 2.workstatus 3.workstatus 4.workstatus) ///
  drop(1996.year 2006.year 1.ctr 2.ctr 3.ctr 4.ctr 5.ctr 6.ctr 7.ctr 8.ctr
  9.ctr 10.ctr 11.ctr 12.ctr 13.ctr)

```

Team: 47
Software: R
Version: ORIGINAL

```
rm(list = ls())
library(haven)
library(dplyr)
library(doBy)
library(nlme)
library(officer)
library(officer)

path <- "/"

dat1 <- read_dta(paste0(path, "ZA2900.dta"))
dat1$year <- factor(1996, levels = c(1996, 2006))
dat1$year <- relevel(dat1$year, ref = "1996")
table(dat1$year, useNA = "always")

dat1$pid <- dat1$v2
attr(dat1$v3, "labels")
dat1$cntry <- recode(unclass(dat1$v3),
  "1" = "AU", "2" = "DE", "3" = "DE",
  "4" = "GB", "5" = "NIE", "6" = "US",
  "7" = "AT", "8" = "HU", "9" = "IT",
  "10" = "IE", "11" = "NL", "12" = "NO",
  "13" = "SE", "14" = "CZ", "15" = "SI",
  "16" = "PL", "17" = "BG", "18" = "RU",
  "19" = "NZ", "20" = "CA", "21" = "PH",
  "22" = "IL", "23" = "IL", "24" = "JP",
  "25" = "ES", "26" = "LV", "27" = "FR",
  "28" = "CY", "30" = "CH")
table(dat1$cntry, useNA = "always")

table(dat1$v201, useNA = "always")

dat1$age <- recodeVar(dat1$v201, 1:98, 1:98, default = NA)
table(dat1$age, useNA = "always")

table(dat1$v200, useNA = "always")

dat1$sex <- recodeVar(dat1$v200, 1:2, 0:1, default = NA)
dat1$sex <- factor(dat1$sex, levels = 0:1,
  labels = c("male", "female"))
dat1$sex <- relevel(dat1$sex, ref = "male")
table(dat1$sex, useNA = "always")

table(dat1$v202, useNA = "always")

dat1$marst <- recodeVar(dat1$v202, 1:5, c(1, 2, 3, 3, 4), default = NA)
dat1$marst <- factor(dat1$marst, levels = 1:4,
  labels = c("Married", "Widowed",
    "Divorced/Separated", "Never married"))
dat1$marst <- relevel(dat1$marst, ref = "Married")
table(dat1$marst, useNA = "always")

table(dat1$v273, useNA = "always")

dat1$hhsz <- recodeVar(dat1$v273, 1:98, 1:98, default = NA)
table(dat1$hhsz, useNA = "always")
```

```

table(dat1$v274, useNA = "always")

dat1$kids <- recodeVar(dat1$v274, 1:28, c(0, 1, 1, 1, 0,
                                         1, 1, 1, 0, 1,
                                         0, 1, 0, 1, 0,
                                         1, 0, 1, 0, 1,
                                         0, 1, 0, 1, 0,
                                         1, 0, 1), default = NA)
dat1$kids <- factor(dat1$kids, levels = 0:1,
                    labels = c("No", "Yes"))
dat1$kids <- relevel(dat1$kids, ref = "No")
table(dat1$kids, useNA = "always")

table(dat1$v275, useNA = "always")

dat1$surru <- recodeVar(dat1$v275, 1:3, 1:3, default = NA)
dat1$surru <- factor(dat1$surru, levels = 1:3,
                    labels = c("Urban", "Suburb", "Rural"))
dat1$surru <- relevel(dat1$surru, ref = "Urban")
table(dat1$surru, useNA = "always")

table(dat1$v205, useNA = "always")

dat1$educ <- recodeVar(dat1$v205, 1:7, c(1, 1, 1, 1, 2, 2, 3), default = NA)
dat1$educ <- factor(dat1$educ, levels = 1:3,
                    labels = c("less than secondary",
                                "Secondary",
                                "University"))
dat1$educ <- relevel(dat1$educ, ref = "Secondary")
table(dat1$educ, useNA = "always")

table(dat1$v206, useNA = "always")

dat1$emp_pt <- recodeVar(dat1$v206, 1:10,
                        c(0, rep(1, 3), rep(0, 6)), default = NA)

dat1$emp_ue <- recodeVar(dat1$v206, 1:10,
                        c(rep(0, 4), 1, rep(0, 5)), default = NA)

dat1$emp_olf <- recodeVar(dat1$v206, 1:10,
                        c(rep(0, 5), rep(1, 5)), default = NA)

dat1$emp_se <- as.numeric(dat1$v213 %in% 1)
dat1$emp_se[is.na(dat1$v206)] <- NA

dat1$emp_pu <- as.numeric(dat1$v212 %in% 1:2)
dat1$emp_pu[is.na(dat1$v206)] <- NA

dat1$emp_pr <- as.numeric(dat1$emp_se == 0 & dat1$emp_pu == 0)
dat1$emp_pr[is.na(dat1$v206)] <- NA

table(dat1$emp_se, dat1$emp_pu, useNA = "always")

table(dat1$emp_se, dat1$emp_pr, useNA = "always")

table(dat1$emp_pr, dat1$emp_pu, useNA = "always")

table(dat1$emp_pt, dat1$emp_se, useNA = "always")

table(dat1$emp_ue, dat1$emp_se, useNA = "always")

table(dat1$emp_olf, dat1$emp_se, useNA = "always")

```

```

table(dat1$emp_pt, dat1$emp_pr, useNA = "always")
table(dat1$emp_ue, dat1$emp_pr, useNA = "always")
table(dat1$emp_olf, dat1$emp_pr, useNA = "always")
table(dat1$emp_pt, dat1$emp_pu, useNA = "always")
table(dat1$emp_ue, dat1$emp_pu, useNA = "always")
table(dat1$emp_olf, dat1$emp_pu, useNA = "always")

dat1$emp_pt <- factor(dat1$emp_pt, levels = 0:1, labels = c("No", "Yes"))
dat1$emp_ue <- factor(dat1$emp_ue, levels = 0:1, labels = c("No", "Yes"))
dat1$emp_olf <- factor(dat1$emp_olf, levels = 0:1, labels = c("No", "Yes"))
dat1$emp_se <- factor(dat1$emp_se, levels = 0:1, labels = c("No", "Yes"))
dat1$emp_pu <- factor(dat1$emp_pu, levels = 0:1, labels = c("No", "Yes"))
dat1$emp_pr <- factor(dat1$emp_pr, levels = 0:1, labels = c("No", "Yes"))
dat1$emp_pt <- relevel(dat1$emp_pt, ref = "No")
dat1$emp_ue <- relevel(dat1$emp_ue, ref = "No")
dat1$emp_olf <- relevel(dat1$emp_olf, ref = "No")
dat1$emp_se <- relevel(dat1$emp_se, ref = "No")
dat1$emp_pu <- relevel(dat1$emp_pu, ref = "No")
dat1$emp_pr <- relevel(dat1$emp_pr, ref = "No")
table(dat1$emp_pt, useNA = "always")

table(dat1$emp_ue, useNA = "always")

table(dat1$emp_olf, useNA = "always")

table(dat1$emp_se, useNA = "always")

table(dat1$emp_pu, useNA = "always")

table(dat1$emp_pr, useNA = "always")

dat1$v218[dat1$v218 >= 999997] <- NA
dat1$income <- NA
for (i in unique(dat1$cntry)) {
  s <- dat1$cntry == i
  dat1$income[s] <- scale(dat1$v218[s])
}
rm(s, i)
table(is.na(dat1$income))

table(dat1$v220, useNA = "always")

dat1$rel <- recodeVar(dat1$v220, 1:6, c(3, 3, 2, 2, 2, 1), default = NA)
dat1$rel <- factor(dat1$rel, levels = 1:3,
  labels = c("No", "Low", "High"))
dat1$rel <- relevel(dat1$rel, ref = "No")
table(dat1$rel, useNA = "always")

dat1$qjob <- recodeVar(dat1$v36, 1:4, c(1, 1, 0, 0), default = NA)
table(dat1$qjob, useNA = "always")

dat1$quem <- recodeVar(dat1$v41, 1:4, c(1, 1, 0, 0), default = NA)
table(dat1$quem, useNA = "always")

dat1$qinc <- recodeVar(dat1$v42, 1:4, c(1, 1, 0, 0), default = NA)
table(dat1$qinc, useNA = "always")

```

```

dat1$qret <- recodeVar(dat1$v39, 1:4, c(1, 1, 0, 0), default = NA)
table(dat1$qret, useNA = "always")

dat1$qhou <- recodeVar(dat1$v44, 1:4, c(1, 1, 0, 0), default = NA)
table(dat1$qhou, useNA = "always")

dat1$qhea <- recodeVar(dat1$v38, 1:4, c(1, 1, 0, 0), default = NA)
table(dat1$qhea, useNA = "always")

dat2 <- read_dta(paste0(path, "ZA4700.dta"))
dat2$year <- factor(2006, levels = c(1996, 2006))
dat2$year <- relevel(dat2$year, ref = "1996")
table(dat2$year, useNA = "always")

dat2$pid <- dat2$V2
attr(dat2$V3, "labels")

dat2$cntry <- recode(unclass(dat2$V3),
                    "36" = "AU", "124" = "CA", "152" = "CL",
                    "158" = "TW", "191" = "HR", "203" = "CZ",
                    "208" = "DK", "214" = "DO", "246" = "FI",
                    "250" = "FR", "276.1" = "DE", "276.2" = "DE",
                    "348" = "HU", "376.1" = "IL", "376.2" = "IL",
                    "372" = "IE", "392" = "JP", "410" = "KR",
                    "428" = "LV", "528" = "NL", "554" = "NZ",
                    "578" = "NO", "608" = "PH", "616" = "PL",
                    "620" = "PT", "643" = "RU", "703" = "SK",
                    "705" = "SI", "710" = "ZA", "724" = "ES",
                    "752" = "SE", "756" = "CH", "826.1" = "GB",
                    "840" = "US", "858" = "UY", "862" = "VE")
table(dat2$cntry, useNA = "always")

table(dat2$age, useNA = "always")

dat2$age <- recodeVar(dat2$age, 1:98, 1:98, default = NA)
table(dat2$age, useNA = "always")

table(dat2$sex, useNA = "always")

dat2$sex <- recodeVar(dat2$sex, 1:2, 0:1, default = NA)
dat2$sex <- factor(dat2$sex, levels = 0:1,
                  labels = c("male", "female"))
dat2$sex <- relevel(dat2$sex, ref = "male")
table(dat2$sex, useNA = "always")

table(dat2$marital, useNA = "always")

dat2$marst <- recodeVar(dat2$marital, 1:5, c(1, 2, 3, 3, 4), default = NA)
dat2$marst <- factor(dat2$marst, levels = 1:4,
                  labels = c("Married", "Widowed",
                             "Divorced/Separated",
                             "Never married"))
dat2$marst <- relevel(dat2$marst, ref = "Married")
table(dat2$marst, useNA = "always")

table(dat2$hompop, useNA = "always")

dat2$hhsize <- recodeVar(dat2$hompop, 1:36, 1:36, default = NA)
table(dat2$hhsize, useNA = "always")

table(dat2$hhcycle, useNA = "always")

```

```

dat2$kids <- recodeVar(dat2$hhcycle, 1:28, c(0, 1, 1, 1, 0,
                                           1, 1, 1, 0, 1,
                                           0, 1, 0, 1, 0,
                                           1, 0, 1, 0, 1,
                                           0, 1, 0, 1, 0,
                                           1, 0, 1), default = NA)

dat2$kids <- factor(dat2$kids, levels = 0:1,
                   labels = c("No", "Yes"))
dat2$kids <- relevel(dat2$kids, ref = "No")
table(dat2$kids, useNA = "always")

table(dat2$surbrural, useNA = "always")

dat2$urru <- recodeVar(dat2$surbrural, 1:5, c(1, 2, 2, 3, 3), default = NA)
dat2$urru <- factor(dat2$urru, levels = 1:3,
                   labels = c("Urban", "Suburb", "Rural"))
dat2$urru <- relevel(dat2$urru, ref = "Urban")
table(dat2$urru, useNA = "always")

table(dat2$degree, useNA = "always")

dat2$educ <- recodeVar(dat2$degree, 0:5, c(1, 1, 1, 2, 2, 3), default = NA)
dat2$educ <- factor(dat2$educ, levels = 1:3,
                   labels = c("less than secondary",
                               "Secondary",
                               "University"))
dat2$educ <- relevel(dat2$educ, ref = "Secondary")
table(dat2$educ, useNA = "always")

table(dat2$wrkst, useNA = "always")

dat2$emp_pt <- recodeVar(dat2$wrkst, 1:10,
                       c(0, rep(1, 3), rep(0, 6)), default = NA)

dat2$emp_ue <- recodeVar(dat2$wrkst, 1:10,
                       c(rep(0, 4), 1, rep(0, 5)), default = NA)

dat2$emp_olf <- recodeVar(dat2$wrkst, 1:10,
                       c(rep(0, 5), rep(1, 5)), default = NA)

dat2$emp_se <- as.numeric(dat2$wrkstype %in% 4)
dat2$emp_se[is.na(dat2$wrkst)] <- NA

dat2$emp_pu <- as.numeric(dat2$wrkstype %in% 1:2)
dat2$emp_pu[is.na(dat2$wrkst)] <- NA

dat2$emp_pr <- as.numeric(dat2$emp_se == 0 & dat2$emp_pu == 0)
dat2$emp_pr[is.na(dat2$wrkst)] <- NA
table(dat2$emp_se, dat2$emp_pu, useNA = "always")

table(dat2$emp_se, dat2$emp_pr, useNA = "always")

table(dat2$emp_pr, dat2$emp_pu, useNA = "always")

table(dat2$emp_pt, dat2$emp_se, useNA = "always")

table(dat2$emp_ue, dat2$emp_se, useNA = "always")

table(dat2$emp_olf, dat2$emp_se, useNA = "always")

table(dat2$emp_pt, dat2$emp_pr, useNA = "always")

```



```

table(dat2$emp_ue, dat2$emp_pr, useNA = "always")

table(dat2$emp_olf, dat2$emp_pr, useNA = "always")

table(dat2$emp_pt, dat2$emp_pu, useNA = "always")

table(dat2$emp_ue, dat2$emp_pu, useNA = "always")

table(dat2$emp_olf, dat2$emp_pu, useNA = "always")

dat2$emp_pt <- factor(dat2$emp_pt, levels = 0:1, labels = c("No", "Yes"))
dat2$emp_ue <- factor(dat2$emp_ue, levels = 0:1, labels = c("No", "Yes"))
dat2$emp_olf <- factor(dat2$emp_olf, levels = 0:1, labels = c("No", "Yes"))
dat2$emp_se <- factor(dat2$emp_se, levels = 0:1, labels = c("No", "Yes"))
dat2$emp_pu <- factor(dat2$emp_pu, levels = 0:1, labels = c("No", "Yes"))
dat2$emp_pr <- factor(dat2$emp_pr, levels = 0:1, labels = c("No", "Yes"))
dat2$emp_pt <- relevel(dat2$emp_pt, ref = "No")
dat2$emp_ue <- relevel(dat2$emp_ue, ref = "No")
dat2$emp_olf <- relevel(dat2$emp_olf, ref = "No")
dat2$emp_se <- relevel(dat2$emp_se, ref = "No")
dat2$emp_pu <- relevel(dat2$emp_pu, ref = "No")
dat2$emp_pr <- relevel(dat2$emp_pr, ref = "No")
table(dat2$emp_pt, useNA = "always")

table(dat2$emp_ue, useNA = "always")

table(dat2$emp_olf, useNA = "always")

table(dat2$emp_se, useNA = "always")

table(dat2$emp_pu, useNA = "always")

table(dat2$emp_pr, useNA = "always")

dat2$income <- NA
for (i in unique(dat2$cntry)) {
  s <- dat2$cntry == i
  inc <- dat2[[paste0(i, "_INC")]][s]
  dat2$income[s] <- scale(inc)
}
rm(s, i)
table(is.na(dat2$income), dat2$cntry)

table(dat2$attend, useNA = "always")

dat2$rel <- recodeVar(dat2$attend, 1:8, c(rep(3, 3), rep(2, 4), 1),
  default = NA)
dat2$rel <- factor(dat2$rel, levels = 1:3,
  labels = c("No", "Low", "High"))
dat2$rel <- relevel(dat2$rel, ref = "No")
table(dat2$rel, useNA = "always")

dat2$qjob <- recodeVar(dat2$V25, 1:4, c(1, 1, 0, 0), default = NA)
table(dat2$qjob, useNA = "always")

dat2$quem <- recodeVar(dat2$V30, 1:4, c(1, 1, 0, 0), default = NA)
table(dat2$quem, useNA = "always")

dat2$qinc <- recodeVar(dat2$V31, 1:4, c(1, 1, 0, 0), default = NA)
table(dat2$qinc, useNA = "always")

dat2$qret <- recodeVar(dat2$V28, 1:4, c(1, 1, 0, 0), default = NA)
table(dat2$qret, useNA = "always")

```

```

dat2$qhou <- recodeVar(dat2$V33, 1:4, c(1, 1, 0, 0), default = NA)
table(dat2$qhou, useNA = "always")

dat2$qhea <- recodeVar(dat2$V27, 1:4, c(1, 1, 0, 0), default = NA)
table(dat2$qhea, useNA = "always")

dat3 <- read_dta(paste0(path, "bradyfinnigan2014countrydata.dta"))

dat3$year <- as.factor(dat3$year)
dat3$year <- relevel(dat3$year, ref = "1996")
table(dat3$year, useNA = "always")

dat3$cuntry <- recode(unclass(dat3$cuntry),
  "36" = "AU", "124" = "CA", "152" = "CL",
  "158" = "TW", "191" = "HR", "203" = "CZ",
  "208" = "DK", "214" = "DO", "246" = "FI",
  "250" = "FR", "276" = "DE",
  "348" = "HU", "376" = "IL",
  "372" = "IE", "392" = "JP", "410" = "KR",
  "428" = "LV", "528" = "NL", "554" = "NZ",
  "578" = "NO", "608" = "PH", "616" = "PL",
  "620" = "PT", "643" = "RU", "703" = "SK",
  "705" = "SI", "710" = "ZA", "724" = "ES",
  "752" = "SE", "756" = "CH", "826" = "GB",
  "840" = "US", "858" = "UY", "862" = "VE")
table(dat3$cuntry, useNA = "always")

describe(dat3[, c("foreignpct", "socx", "netmigpct", "emprate")])

dat <- suppressWarnings(
  bind_rows(select(dat1,
    pid, year, cntry, sex, age, marst, hhsz,
    kids, urru, educ, emp_pt, emp_ue,
    emp_olf, emp_se, emp_pu, emp_pr,
    income, rel, qjob, quem, qinc, qret,
    qhou, qhea),
    select(dat2,
      pid, year, cntry, sex, age, marst, hhsz,
      kids, urru, educ, emp_pt, emp_ue,
      emp_olf, emp_se, emp_pu, emp_pr,
      income, rel, qjob, quem, qinc, qret,
      qhou, qhea)) %>%
    left_join(dat3, by = c("cntry", "year"))
)
rm(dat1, dat2, dat3)

dat <- filter(dat, dat$cuntry %in% c("AU", "CA", "DE", "DK", "FI",
  "FR", "IE", "JP", "NL", "NZ",
  "NO", "PT", "ES", "SE", "CH",
  "GB", "US"))

dat$val06 <- !is.na(dat$sex) & !is.na(dat$age) &
  !is.na(dat$marst) & !is.na(dat$hhsz) &
  !is.na(dat$kids) & !is.na(dat$urru) &
  !is.na(dat$educ) & !is.na(dat$emp_pt) &
  !is.na(dat$emp_ue) & !is.na(dat$emp_olf) &
  !is.na(dat$emp_se) & !is.na(dat$emp_pu) &
  !is.na(dat$income) & !is.na(dat$rel)

```

```

dat$val <- !is.na(dat$sex) & !is.na(dat$age) &
!is.na(dat$educ) & !is.na(dat$emp_pt) &
!is.na(dat$emp_ue) & !is.na(dat$emp_olf) &
!is.na(dat$emp_se) & # !is.na(dat$emp_pu) &
!is.na(dat$income) &
!(dat$cuntry %in% c("DK", "FI", "NL", "PT"))

filter(dat, val06 & !is.na(qinc) & year == 2006) %>%
  select(cuntry) %>%
  table()

filter(dat, val & !is.na(qinc) & year == 1996) %>%
  select(cuntry) %>%
  table()

depvar <- c("qjob", "quem", "qinc", "qret", "qhou", "qhea")

tab4 <- array(NA, c(18, 18, 3),
  dimnames = list(c('Foreign born',
    'Social welfare expenditure',
    'Employment rate',
    'Net Migration',
    'Age',
    'Age squared',
    'Females',
    'Less than secondary',
    'University degree',
    'Part-time employment',
    'Unemployment',
    'Not in employment',
    'Self-employment',
    'Relative income',
    'Year 2006',
    'Intercept',
    'Number of respondents',
    'Number of countries'),
    c(paste0(depvar, 1:6),
      paste0(depvar, 7:12),
      paste0(depvar, 13:18)),
    c("or", "z", "p")))

for (i in seq_len(length(depvar))) {
  var <- depvar[i]

  f <- dat$val & !is.na(dat[[var]])

  frm <- formula(paste0(var, " ~ age + I(age^2) + sex + educ +
    emp_pt + emp_ue + emp_olf + emp_se +
    income + year + foreignpct + cuntry"))
  fit1 <- glm(frm, data = dat, subset = f, family = binomial)
  s <- summary(fit1)$coefficients
  tab4[c(1, 5:16), paste0(var, i), "or"] <-
    c(exp(s[c(13, 2:12), 'Estimate']), s[1, 'Estimate'])
  tab4[c(1, 5:16), paste0(var, i), "z"] <-
    s[c(13, 2:12, 1), 'z value']
  tab4[c(1, 5:16), paste0(var, i), "p"] <-
    s[c(13, 2:12, 1), 'Pr(>|z|)']
  tab4[17:18, paste0(var, i), "or"] <-
    c(sum(f), length(unique(dat$cuntry[f])))

  fit2 <- update(fit1, . ~ . + socx)
  s <- summary(fit2)$coefficients

```

```

tab4[c(1:2, 5:16), paste0(var, i + 6), "or"] <-
  c(exp(s[c(13, 26, 2:12), 'Estimate']), s[1, 'Estimate'])
tab4[c(1:2, 5:16), paste0(var, i + 6), "z"] <-
  s[c(13, 26, 2:12, 1), 'z value']
tab4[c(1:2, 5:16), paste0(var, i + 6), "p"] <-
  s[c(13, 26, 2:12, 1), 'Pr(>|z|)']
tab4[17:18, paste0(var, i + 6), "or"] <-
  c(sum(f), length(unique(dat$cntry[f])))

fit3 <- update(fit1, . ~ . + emprate)
s <- summary(fit3)$coefficients
tab4[c(1, 3, 5:16), paste0(var, i + 12), "or"] <-
  c(exp(s[c(13, 26, 2:12), 'Estimate']), s[1, 'Estimate'])
tab4[c(1, 3, 5:16), paste0(var, i + 12), "z"] <-
  s[c(13, 26, 2:12, 1), 'z value']
tab4[c(1, 3, 5:16), paste0(var, i + 12), "p"] <-
  s[c(13, 26, 2:12, 1), 'Pr(>|z|)']
tab4[17:18, paste0(var, i + 12), "or"] <-
  c(sum(f), length(unique(dat$cntry[f])))
}
rm(i, frm, f, var, s, depvar, fit1, fit2, fit3)

round(tab4[, , "or"], 3)
round(tab4[, , "z"], 3)

round(tab4[, , "p"], 3)
round(1 / exp(log(tab4[1, c(1, 3, 6), "or"]) * sd(dat$foreignpct[dat$val])), 2)
round(exp(log(tab4[1, 4, "or"]) * sd(dat$foreignpct[dat$val])), 2)

depvar <- c("qjob", "quem", "qinc", "qret", "qhou", "qhea")

tab5 <- array(NA, c(18, 24, 3),
  dimnames = list(c('Foreign born',
    'Social welfare expenditure',
    'Employment rate',
    'Net Migration',
    'Age',
    'Age squared',
    'Females',
    'Less than secondary',
    'University degree',
    'Part-time employment',
    'Unemployment',
    'Not in employment',
    'Self-employment',
    'Relative income',
    'Year 2006',
    'Intercept',
    'Number of respondents',
    'Number of countries'),
    c(paste0(depvar, 1:6),
      paste0(depvar, 7:12),
      paste0(depvar, 13:18),
      paste0(depvar, 19:24)),
    c("or", "z", "p")))
for (i in seq_len(length(depvar))) {
  var <- depvar[i]

  f <- dat$val & !is.na(dat[[var]])

  frm <- formula(paste0(var, " ~ age + I(age^2) + sex + educ +
    emp_pt + emp_ue + emp_olf + emp_se +

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```

        income + year + netmigpct + cntry"))
fit1 <- glm(frm, data = dat, subset = f, family = binomial)
s <- summary(fit1)$coefficients
tab5[c(4, 5:16), paste0(var, i), "or"] <-
  c(exp(s[c(13, 2:12), 'Estimate'])), s[1, 'Estimate'])
tab5[c(4, 5:16), paste0(var, i), "z"] <-
  s[c(13, 2:12, 1), 'z value']
tab5[c(4, 5:16), paste0(var, i), "p"] <-
  s[c(13, 2:12, 1), 'Pr(>|z|)']
tab5[17:18, paste0(var, i), "or"] <-
  c(sum(f), length(unique(dat$cntry[f])))

fit2 <- update(fit1, . ~ . + socx)
s <- summary(fit2)$coefficients
tab5[c(4, 2, 5:16), paste0(var, i + 6), "or"] <-
  c(exp(s[c(13, 26, 2:12), 'Estimate'])), s[1, 'Estimate'])
tab5[c(4, 2, 5:16), paste0(var, i + 6), "z"] <-
  s[c(13, 26, 2:12, 1), 'z value']
tab5[c(4, 2, 5:16), paste0(var, i + 6), "p"] <-
  s[c(13, 26, 2:12, 1), 'Pr(>|z|)']
tab5[17:18, paste0(var, i + 6), "or"] <-
  c(sum(f), length(unique(dat$cntry[f])))

fit3 <- update(fit1, . ~ . + emprate)
s <- summary(fit3)$coefficients
tab5[c(4, 3, 5:16), paste0(var, i + 12), "or"] <-
  c(exp(s[c(13, 26, 2:12), 'Estimate'])), s[1, 'Estimate'])
tab5[c(4, 3, 5:16), paste0(var, i + 12), "z"] <-
  s[c(13, 26, 2:12, 1), 'z value']
tab5[c(4, 3, 5:16), paste0(var, i + 12), "p"] <-
  s[c(13, 26, 2:12, 1), 'Pr(>|z|)']
tab5[17:18, paste0(var, i + 12), "or"] <-
  c(sum(f), length(unique(dat$cntry[f])))

fit4 <- update(fit1, . ~ . + foreignpct)
s <- summary(fit4)$coefficients
tab5[c(4, 1, 5:16), paste0(var, i + 18), "or"] <-
  c(exp(s[c(13, 26, 2:12), 'Estimate'])), s[1, 'Estimate'])
tab5[c(4, 1, 5:16), paste0(var, i + 18), "z"] <-
  s[c(13, 26, 2:12, 1), 'z value']
tab5[c(4, 1, 5:16), paste0(var, i + 18), "p"] <-
  s[c(13, 26, 2:12, 1), 'Pr(>|z|)']
tab5[17:18, paste0(var, i + 18), "or"] <-
  c(sum(f), length(unique(dat$cntry[f])))
}
rm(i, frm, f, var, s, depvar, fit1, fit2, fit3, fit4)

round(tab5[, , "or"], 3)
round(tab5[, , "z"], 3)
round(tab5[, , "p"], 3)

round(exp(log(tab5[4, c(19, 22:24), "or"]) * sd(dat$netmigpct[dat$val])), 2)
round(1 / exp(log(tab5[1, c(19, 21, 24), "or"]) * sd(dat$foreignpct[dat$val])), 2)
round(exp(log(tab5[1, 22, "or"]) * sd(dat$foreignpct[dat$val])), 2)

wtab1 <- tibble(Predictor = dimnames(tab4)[[1]],
  job = NA, uem = NA, inc = NA,
  ret = NA, hou = NA, hea = NA)
for (i in 1:6) {
  str <- sprintf("%3.3f\n(%3.3f%s)",
    tab4[, i, "or"],
    tab4[, i, "z"],
    ifelse(abs(tab4[, i, 'p']) < .001, "****",

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```

        ifelse(abs(tab4[, i, 'p']) < .01, "***",
               ifelse(abs(tab4[, i, 'p']) < .05, "**", ""))))
    wtab1[, i + 1] <- gsub("\\( \\)", "", gsub("NA", "", str))
}
rm(i, str)
wtab1 <- regulartable(wtab1) %>%
  set_header_labels(job = "(1)\nJobs",
                    uem = "(2)\nUnemp",
                    inc = "(3)\nIncome Dif.",
                    ret = "(4)\nOld",
                    hou = "(5)\nHouse",
                    hea = "(6)\nHealth") %>%
  align(align = "center", part = "header") %>%
  align(align = "center") %>%
  width(j = 1, width = 1.50) %>%
  width(j = 2:7, width = 0.80)

wtab2 <- tibble(Predictor = dimnames(tab4)[[1]],
                job = NA, uem = NA, inc = NA,
                ret = NA, hou = NA, hea = NA)
for (i in 7:12) {
  str <- sprintf("%3.3f\n(%3.3f%s)",
                tab4[, i, "or"],
                tab4[, i, "z"],
                ifelse(abs(tab4[, i, 'p']) < .001, "****",
                      ifelse(abs(tab4[, i, 'p']) < .01, "***",
                            ifelse(abs(tab4[, i, 'p']) < .05, "**", ""))))
  wtab2[, i - 5] <- gsub("\\( \\)", "", gsub("NA", "", str))
}
rm(i, str)
wtab2 <- regulartable(wtab2) %>%
  set_header_labels(job = "(7)\nJobs",
                    uem = "(8)\nUnemp",
                    inc = "(9)\nIncome Dif.",
                    ret = "(10)\nOld",
                    hou = "(11)\nHouse",
                    hea = "(12)\nHealth") %>%
  align(align = "center", part = "header") %>%
  align(align = "center") %>%
  width(j = 1, width = 1.50) %>%
  width(j = 2:7, width = 0.80)

wtab3 <- tibble(Predictor = dimnames(tab4)[[1]],
                job = NA, uem = NA, inc = NA,
                ret = NA, hou = NA, hea = NA)
for (i in 13:18) {
  str <- sprintf("%3.3f\n(%3.3f%s)",
                tab4[, i, "or"],
                tab4[, i, "z"],
                ifelse(abs(tab4[, i, 'p']) < .001, "****",
                      ifelse(abs(tab4[, i, 'p']) < .01, "***",
                            ifelse(abs(tab4[, i, 'p']) < .05, "**", ""))))
  wtab3[, i - 11] <- gsub("\\( \\)", "", gsub("NA", "", str))
}
rm(i, str)
wtab3 <- regulartable(wtab3) %>%
  set_header_labels(job = "(13)\nJobs",
                    uem = "(14)\nUnemp",

```

```

        inc = "(15)\nIncome Dif.",
        ret = "(16)\nOld",
        hou = "(17)\nHouse",
        hea = "(18)\nHealth") %>%
  align(align = "center", part = "header") %>%
  align(align = "center") %>%
  width(j = 1, width = 1.50) %>%
  width(j = 2:7, width = 0.80)
rm(tab4)

my_doc <- read_docx() %>%
  body_add_fpar(fpar(ftext("Percent foreign born", prop = "on"))) %>%
  body_add_flextable(value = wtab1) %>%
  body_add_break(pos = "after") %>%
  body_add_fpar(fpar(ftext("Percent foreign born and social welfare
expenditures", prop = "on"))) %>%
  body_add_flextable(value = wtab2) %>%
  body_add_break(pos = "after") %>%
  body_add_fpar(fpar(ftext("Percent foreign born and employment rate", prop =
"on"))) %>%
  body_add_flextable(value = wtab3)
print(my_doc, target = "Table 4.docx")

rm(wtab1, wtab2, wtab3, my_doc)

wtab1 <- tibble(Predictor = dimnames(tab5)[[1]],
               job = NA, uem = NA, inc = NA,
               ret = NA, hou = NA, hea = NA)
for (i in 1:6) {
  str <- sprintf("%3.3f\n(%3.3f%s)",
                tab5[, i, "or"],
                tab5[, i, "z"],
                ifelse(abs(tab5[, i, 'p']) < .001, "****",
                      ifelse(abs(tab5[, i, 'p']) < .01, "***",
                            ifelse(abs(tab5[, i, 'p']) < .05, "**", ""))))
  wtab1[, i + 1] <- gsub("\\( \\)", "", gsub("NA", "", str))
}
rm(i, str)
wtab1 <- regulartable(wtab1) %>%
  set_header_labels(job = "(1)\nJobs",
                    uem = "(2)\nUnemp",
                    inc = "(3)\nIncome Dif.",
                    ret = "(4)\nOld",
                    hou = "(5)\nHouse",
                    hea = "(6)\nHealth") %>%
  align(align = "center", part = "header") %>%
  align(align = "center") %>%
  width(j = 1, width = 1.50) %>%
  width(j = 2:7, width = 0.80)

wtab2 <- tibble(Predictor = dimnames(tab5)[[1]],
               job = NA, uem = NA, inc = NA,
               ret = NA, hou = NA, hea = NA)
for (i in 7:12) {
  str <- sprintf("%3.3f\n(%3.3f%s)",
                tab5[, i, "or"],
                tab5[, i, "z"],

```

```

        ifelse(abs(tab5[, i, 'p']) < .001, "****",
              ifelse(abs(tab5[, i, 'p']) < .01, "***",
                    ifelse(abs(tab5[, i, 'p']) < .05, "**", ""))))
    wtab2[, i - 5] <- gsub("\\( \\)", "", gsub("NA", "", str))
  }
  rm(i, str)
  wtab2 <- regularTable(wtab2) %>%
    set_header_labels(job = "(7)\nJobs",
                      uem = "(8)\nUnemp",
                      inc = "(9)\nIncome Dif.",
                      ret = "(10)\nOld",
                      hou = "(11)\nHouse",
                      hea = "(12)\nHealth") %>%
    align(align = "center", part = "header") %>%
    align(align = "center") %>%
    width(j = 1, width = 1.50) %>%
    width(j = 2:7, width = 0.80)

  wtab3 <- tibble(Predictor = dimnames(tab5)[[1]],
                  job = NA, uem = NA, inc = NA,
                  ret = NA, hou = NA, hea = NA)
  for (i in 13:18) {
    str <- sprintf("%3.3f\n(%3.3f%s)",
                  tab5[, i, "or"],
                  tab5[, i, "z"],
                  ifelse(abs(tab5[, i, 'p']) < .001, "****",
                        ifelse(abs(tab5[, i, 'p']) < .01, "***",
                              ifelse(abs(tab5[, i, 'p']) < .05, "**", ""))))
    wtab3[, i - 11] <- gsub("\\( \\)", "", gsub("NA", "", str))
  }
  rm(i, str)
  wtab3 <- regularTable(wtab3) %>%
    set_header_labels(job = "(13)\nJobs",
                      uem = "(14)\nUnemp",
                      inc = "(15)\nIncome Dif.",
                      ret = "(16)\nOld",
                      hou = "(17)\nHouse",
                      hea = "(18)\nHealth") %>%
    align(align = "center", part = "header") %>%
    align(align = "center") %>%
    width(j = 1, width = 1.50) %>%
    width(j = 2:7, width = 0.80)

  wtab4 <- tibble(Predictor = dimnames(tab5)[[1]],
                  job = NA, uem = NA, inc = NA,
                  ret = NA, hou = NA, hea = NA)
  for (i in 19:24) {
    str <- sprintf("%3.3f\n(%3.3f%s)",
                  tab5[, i, "or"],
                  tab5[, i, "z"],
                  ifelse(abs(tab5[, i, 'p']) < .001, "****",
                        ifelse(abs(tab5[, i, 'p']) < .01, "***",
                              ifelse(abs(tab5[, i, 'p']) < .05, "**", ""))))
    wtab4[, i - 17] <- gsub("\\( \\)", "", gsub("NA", "", str))
  }
  rm(i, str)
  wtab4 <- regularTable(wtab4) %>%
    set_header_labels(job = "(19)\nJobs",
                      uem = "(20)\nUnemp",
                      inc = "(21)\nIncome Dif.",

```



```

ret = "(22)\nOld",
hou = "(23)\nHouse",
hea = "(24)\nHealth") %>%
align(align = "center", part = "header") %>%
align(align = "center") %>%
width(j = 1, width = 1.50) %>%
width(j = 2:7, width = 0.80)
rm(tab5)

my_doc <- read_docx() %>%
  body_add_fpar(fpar(ftext("Net migration", prop = "on"))) %>%
  body_add_flextable(value = wtab1) %>%
  body_add_break(pos = "after") %>%
  body_add_fpar(fpar(ftext("Net migration and social welfare expenditures", prop =
"on")))) %>%
  body_add_flextable(value = wtab2) %>%
  body_add_break(pos = "after") %>%
  body_add_fpar(fpar(ftext("Net migration and employment rate", prop = "on")))) %>%
  body_add_flextable(value = wtab3) %>%
  body_add_break(pos = "after") %>%
  body_add_fpar(fpar(ftext("Net migration and percentage foreign born", prop =
"on")))) %>%
  body_add_flextable(value = wtab4)
print(my_doc, target = "Table 5.docx")

rm(wtab1, wtab2, wtab3, wtab4, my_doc)
sessionInfo()
```

Team: 48
Software: STATA
Version: ORIGINAL

```
cd "\"
use "ZA2900.dta", clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
  (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
  (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
  "Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
  "Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
  "Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
  "Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
  "Great Britain" 840 "United States"
label values v3a cntrylbl

recode v36 1/2=1 nonmiss=0, gen(Rjobs)
recode v38 1/2=1 nonmiss=0, gen(Rhealthcare)
recode v41 1/2=1 nonmiss=0, gen(Runempl)
recode v42 1/2=1 nonmiss=0, gen(Rincome)
recode v39 1/2=1 nonmiss=0, gen(Rretire)
recode v44 1/2=1 nonmiss=0, gen(Rhousing)

rename v201 age
gen age2=age^2

recode v200 2=1 1=0 else=., gen(female)

recode v205 1/4=1 5/7=0 else=., gen(lowersecondary)

recode v206 (2 3=1) (nonmiss=0), gen(parttime)
recode v206 (5=1) (nonmiss=0), gen(unemployed)
recode v206 (4 6 7 8 9 10=1) (nonmiss=0), gen(notinlaborforce)
recode v206 (4 6 8 9 10=1) (nonmiss=0), gen(notinlaborforce2)
label var notinlaborforce2 "housemen not included in dummy"

recode v213 (1=1) (2=0) (else=.), gen(selfemployed)
clonevar selfemployed2= selfemployed
label var selfemployed2 "uncorrected by other data"
replace selfemployed=0 if (notinlaborforce==1 | unemployed==1) & selfemployed!=1

gen stdincome=.
levelsof v3a, local(x)
foreach y of local x {
  egen stdincome`y'=std(v218) if v3a==`y'
  replace stdincome=stdincome`y' if v3a==`y'
  drop stdincome`y'
}
gen year=1996
rename v3a cntry

tempfile issp96
save `issp96'

use "ZA4700.dta", clear

recode V25 1/2=1 nonmiss=0, gen(Rjobs)
```

```

recode V27 1/2=1 nonmiss=0, gen(Rhealthcare)
recode V36 1/2=1 nonmiss=0, gen(Runempl)
recode V31 1/2=1 nonmiss=0, gen(Rincome)
recode V28 1/2=1 nonmiss=0, gen(Rretire)
recode V33 1/2=1 nonmiss=0, gen(Rhousing)

gen age2=age^2
recode sex 2=1 nonmiss=0, gen(female)

recode degree 0/2=1 3/5=0 else=., gen(lowersecondary)
recode degree 5=1 1/4=0 else=., gen(university)

recode wrkst 5=1 nonmiss=0, gen(unemployed)
recode wrkst 2 3=1 nonmiss=0, gen(parttime)
recode wrkst 4 6 7 8 9 10=1 nonmiss=0, gen(notinlaborforce)
recode wrkst 4 6 7 9 10=1 nonmiss=0, gen(notinlaborforce2)

recode wrktype 4=1 nonmiss=0, gen(selfemployed)
clonevar selfemployed2=selfemployed
replace selfemployed=0 if (notinlaborforce==1 | unemployed==1) & selfemployed!=1

egen income= rowtotal(AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC
    FI_INC FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC
    NZ_INC PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC)

gen stdincome=.
levelsof V3a, local(x)
foreach y of local x {
    egen stdincome`y'=std(income) if V3a==`y'
    replace stdincome=stdincome`y' if V3a==`y'
    drop stdincome`y'
}

rename V3a cntry
gen year=2006

append using `issp96'

merge m:1 cntry year using bradyfinnigan2014countrydata

keep if inlist(cntry, 36, 124, 250, 276, 372, 392, 554, 578, 724, 752, 756, 826, 840)

foreach y in jobs healthcare unempl income retire housing {
    logit R`y' age age2 female lowersecondary university unemployed parttime
        notinlaborforce selfemployed stdincome i.year i.cntry foreignpct, or
    eststo `y'41

    logit R`y' age age2 female lowersecondary university unemployed parttime
        notinlaborforce selfemployed stdincome i.year i.cntry foreignpct socx, or
    eststo `y'42

    logit R`y' age age2 female lowersecondary university unemployed parttime
        notinlaborforce selfemployed stdincome i.year i.cntry foreignpct emprate , or
    eststo `y'43

    logit R`y' age age2 female lowersecondary university unemployed parttime
        notinlaborforce selfemployed stdincome i.year i.cntry netmigpct, or
    eststo `y'51

```

```

logit R`y' age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry netmigpct socx, or
eststo `y'52

logit R`y' age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry netmigpct emprate , or
eststo `y'53

logit R`y' age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry netmigpct foreignpct , or
eststo `y'54
}

estout jobs41 unempl41 income41 retire41 housing41 healthcare41 jobs42 unempl42
    income42 retire42 housing42 healthcare42 jobs43 unempl43 income43 retire43 housing43
    healthcare43 using table4.xls, cells (b z) eform stats(N) replace

estout jobs51 unempl51 income51 retire51 housing51 healthcare51 jobs52 unempl52
    income52 retire52 housing52 healthcare52 jobs53 unempl53 income53 retire53 housing53
    healthcare53 jobs54 unempl54 income54 retire54 housing54 healthcare54 using
    table5.xls, cells (b z) eform stats(N) replace

levelsof cntry, local(cntry)
foreach x of local cntry {
logit Rjobs age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry foreignpct if cntry!=`x', or
eststo tab`x'
}

```

Team: 48

Software: STATA

Version: CURATED

```

cd "\""
use "ZA2900.dta", clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
    (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
    (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
    "Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
    "Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
    "Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
    "Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
    "Great Britain" 840 "United States"
label values v3a cntrylbl

recode v36 1/2=1 nonmiss=0, gen(Rjobs)
recode v38 1/2=1 nonmiss=0, gen(Rhealthcare)
recode v41 1/2=1 nonmiss=0, gen(Runempl)
recode v42 1/2=1 nonmiss=0, gen(Rincome)
recode v39 1/2=1 nonmiss=0, gen(Rretire)
recode v44 1/2=1 nonmiss=0, gen(Rhousing)

rename v201 age
gen age2=age^2

recode v200 2=1 1=0 else=., gen(female)

```

```

recode v205 1/4=1 5/7=0 else=., gen(lowersecondary)
recode v205 7=1 1/6=0 else=., gen(university)

recode v206 (2 3=1) (nonmiss=0), gen(parttime)
recode v206 (5=1) (nonmiss=0), gen(unemployed)

recode v206 (4 6 7 8 9 10=1) (nonmiss=0), gen(notinlaborforce)
recode v206 (4 6 8 9 10=1) (nonmiss=0), gen(notinlaborforce2)
label var notinlaborforce2 "housemen not included in dummy"

recode v213 (1=1) (2=0) (else=.), gen(selfemployed)
clonevar selfemployed2= selfemployed
label var selfemployed2 "uncorrected by other data"
replace selfemployed=0 if (notinlaborforce==1 | unemployed==1) & selfemployed!=1

gen stdincome=.
levelsof v3a, local(x)
foreach y of local x {
egen stdincome`y'=std(v218) if v3a==`y'
replace stdincome=stdincome`y' if v3a==`y'
drop stdincome`y'
}
gen year=1996
rename v3a centry

tempfile issp96
save `issp96'

use "ZA4700.dta", clear

recode V25 1/2=1 nonmiss=0, gen(Rjobs)
recode V27 1/2=1 nonmiss=0, gen(Rhealthcare)
recode V36 1/2=1 nonmiss=0, gen(Runempl)
recode V31 1/2=1 nonmiss=0, gen(Rincome)
recode V28 1/2=1 nonmiss=0, gen(Rretire)
recode V33 1/2=1 nonmiss=0, gen(Rhousing)

gen age2=age^2
recode sex 2=1 nonmiss=0, gen(female)

recode degree 0/2=1 3/5=0 else=., gen(lowersecondary)
recode degree 5=1 1/4=0 else=., gen(university)

recode wrkst 5=1 nonmiss=0, gen(unemployed)
recode wrkst 2 3=1 nonmiss=0, gen(parttime)
recode wrkst 4 6 7 8 9 10=1 nonmiss=0, gen(notinlaborforce)
recode wrkst 4 6 7 9 10=1 nonmiss=0, gen(notinlaborforce2)

recode wrktype 4=1 nonmiss=0, gen(selfemployed)
clonevar selfemployed2=selfemployed
replace selfemployed=0 if (notinlaborforce==1 | unemployed==1) & selfemployed!=1

egen income= rowtotal(AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC
FI_INC FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC
NZ_INC PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC)

gen stdincome=.
levelsof V3a, local(x)
foreach y of local x {
egen stdincome`y'=std(income) if V3a==`y'
replace stdincome=stdincome`y' if V3a==`y'
drop stdincome`y'
}

```

```

}

rename V3a cntry
gen year=2006

append using `issp96'

merge m:1 cntry year using bradyfinnigan2014countrydata

keep if inlist(cntry, 36, 124, 250, 276, 372, 392, 554, 578, 724, 752, 756, 826, 840)

foreach y in jobs healthcare unempl income retire housing {

logit R`y' age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry foreignpct, or
eststo `y'41

logit R`y' age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry foreignpct socx, or
eststo `y'42

logit R`y' age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry foreignpct emprate , or
eststo `y'43

logit R`y' age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry netmigpct, or
eststo `y'51

logit R`y' age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry netmigpct socx, or
eststo `y'52

logit R`y' age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry netmigpct emprate , or
eststo `y'53

logit R`y' age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry netmigpct foreignpct , or
eststo `y'54
}

estout jobs41 unempl41 income41 retire41 housing41 healthcare41 jobs42 unempl42
    income42 retire42 housing42 healthcare42 jobs43 unempl43 income43 retire43 housing43
    healthcare43 using table4.xls, cells (b z) eform stats(N) replace

estout jobs51 unempl51 income51 retire51 housing51 healthcare51 jobs52 unempl52
    income52 retire52 housing52 healthcare52 jobs53 unempl53 income53 retire53 housing53
    healthcare53 jobs54 unempl54 income54 retire54 housing54 healthcare54 using
    table5.xls, cells (b z) eform stats(N) replace

levelsof cntry, local(cntry)
foreach x of local cntry {
logit Rjobs age age2 female lowersecondary university unemployed parttime
    notinlaborforce selfemployed stdincome i.year i.cntry foreignpct if cntry!=`x', or
eststo tab`x'
}

```

Team: 49
Software: Stata
Version: ORIGINAL

```
use "L2data.dta"

rename country cntrname
rename cntry country
destring country, replace

save "L2data_.dta", replace

use "ZA2900.dta"

gen year = 1996
rename v2 respid
tostring respid, replace
replace respid = "1996" + respid
rename v3 country
replace country = 31 if country == 2 | country == 3

tab1 v36 v39 v41 v42, mis
recode v36 (1 2 = 1) (3 4 = 0), gen(Jobs)
recode v39 (1 2 = 1) (3 4 = 0), gen(Old_Age_Care)
recode v41 (1 2 = 1) (3 4 = 0), gen(Unemployed)
recode v42 (1 2 = 1) (3 4 = 0), gen(Reduce_Income_Differences)

recode v200 (1 = 0) (2 = 1), gen(Female)
rename v201 Age
gen Age_squared = Age^2

tab v205, mis
tab v205, nolab mis
gen education = 0
replace education = 1 if v205 <= 4
replace education = 2 if v205 == 5 | v205 == 6
replace education = 3 if v205 == 7
replace education=. if v205==.

label variable education "education"
label define education 1 "primary" , add
label define education 2 "secondary" , add
label define education 3 "university" , add
label values education education
tab education

tab v206, mis
tab v206, nolab mis

gen employment = 0
replace employment = 1 if v206 == 1 //reference
replace employment = 2 if v206 == 2 | v206 == 3
replace employment = 3 if v206 == 4 | v206==5 // helping f member or unemployed
replace employment=4 if v206>=6 // all others, including students, retired,
housewives, disabled, etc.
replace employment=. if v206==.

label variable employment "employment"
label define employment 1 "full time" , add
```

```

label define employment 2 "part time" , add
label define employment 3 "active unemployed" , add
label define employment 4 "not active", add
label values employment employment
tab employment

append using "ZA4700.dta"

tab year, mis
replace year = 2006 if year != 1996

tostring V2, replace
tostring V3a, gen(countryid)
replace respid = "2006" + V2 + countryid if year == 2006

recode country (1 = 36) (20 = 124) (27 = 250) (31 = 276) (24 = 392) (19 = 554) (12 =
578) (13 = 752) (30 = 756) (4 = 826) (6 = 840) (25 = 724) (10 = 372) (32 = 376)
replace country = V3a if year == 2006

replace Jobs = 1 if V25 == 1 | V25 == 2
replace Jobs = 0 if V25 == 3 | V25 == 4
replace Old_Age_Care = 1 if V28 == 1 | V28 == 2
replace Old_Age_Care = 0 if V28 == 3 | V28 == 4
replace Unemployed = 1 if V30 == 1 | V30 == 2
replace Unemployed = 0 if V30 == 3 | V30 == 4
replace Reduce_Income_Differences = 1 if V31 == 1 | V31 == 2
replace Reduce_Income_Differences = 0 if V31 == 3 | V31 == 4

replace Female = 1 if sex == 2
replace Female = 0 if sex == 1
replace Age = age if year == 2006
replace Age_squared = age^2 if year == 2006

tab degree, mis
tab degree, nolab mis
replace education = 1 if degree <= 2 & year == 2006
replace education = 2 if (degree == 3 | degree == 4) & year == 2006
replace education = 3 if (degree == 5) & year == 2006
replace education = . if degree == . & year == 2006

tab wrkst, mis
tab wrkst, nolab mis
replace employment = 1 if wrkst == 1 & year == 2006
replace employment = 2 if (wrkst == 2 | wrkst == 3) & year == 2006
replace employment = 3 if (wrkst == 4 | wrkst == 5) & year == 2006
replace employment = 4 if wrkst >= 6 & year == 2006
replace employment = . if wrkst == . & year == 2006
tab employment, mis

keep year respid country Old_Age_Care Jobs Unemployed Reduce_Income_Differences Female
Age Age_squared education employment

keep if country == 36 | country == 124 | country == 250 | country == 276 | country ==
372 | country == 392 | country == 554 | country == 578 | country == 724 | country ==
752 | country == 756 | country == 826 | country == 840

label values country country
label define country 36 "Australia", modify
label define country 124 "Canada", modify
label define country 250 "France", modify
label define country 276 "Germany", modify

```



```

label define country 372 "Ireland", modify
label define country 392 "Japan", modify
label define country 554 "New Zealand", modify
label define country 578 "Norway", modify
label define country 724 "Spain", modify
label define country 752 "Sweden", modify
label define country 756 "Switzerland", modify
label define country 826 "Great Britain", modify
label define country 840 "USA", modify

merge m:n country year using "L2data_.dta"
drop if _merge != 3
drop _merge

tab year, mis
tab year, gen(yrdum)
tab country, gen(countrydum)

sort respid year country

save "ISSP1996_2006.dta", replace

logit Old_Age_Care Female Age Age_squared ib2.education ib1.employment foreignpct
      yrdum2 i.country, or

logit Unemployed Female Age Age_squared ib2.education ib1.employment foreignpct yrdum2
      i.country, or

logit Reduce_Income_Differences Female Age Age_squared ib2.education ib1.employment
      foreignpct yrdum2 i.country, or

logit Jobs Female Age Age_squared ib2.education ib1.employment foreignpct yrdum2
      i.country, or

logit Old_Age_Care Female Age Age_squared ib2.education ib1.employment foreignpct socx
      yrdum2 i.country, or

logit Unemployed Female Age Age_squared ib2.education ib1.employment foreignpct socx
      yrdum2 i.country, or

logit Reduce_Income_Differences Female Age Age_squared ib2.education ib1.employment
      foreignpct socx yrdum2 i.country, or

logit Jobs Female Age Age_squared ib2.education ib1.employment foreignpct socx yrdum2
      i.country, or

logit Old_Age_Care Female Age Age_squared ib2.education ib1.employment foreignpct
      emprate yrdum2 i.country, or

logit Unemployed Female Age Age_squared ib2.education ib1.employment foreignpct
      emprate yrdum2 i.country, or

logit Reduce_Income_Differences Female Age Age_squared ib2.education ib1.employment
      foreignpct emprate yrdum2 i.country, or

logit Jobs Female Age Age_squared ib2.education ib1.employment foreignpct emprate
      yrdum2 i.country, or

logit Old_Age_Care Female Age Age_squared ib2.education ib1.employment netmigpct
      yrdum2 i.country, or

```

```
logit Unemployed Female Age Age_squared ib2.education ib1.employment netmigpct yrdum2  
i.country, or
```

```
logit Reduce_Income_Differences Female Age Age_squared ib2.education ib1.employment  
netmigpct yrdum2 i.country, or
```

```
logit Jobs Female Age Age_squared ib2.education ib1.employment netmigpct yrdum2  
i.country, or
```

```
logit Old_Age_Care Female Age Age_squared ib2.education ib1.employment socx netmigpct  
yrdum2 i.country, or
```

```
logit Unemployed Female Age Age_squared ib2.education ib1.employment socx netmigpct  
yrdum2 i.country, or
```

```
logit Reduce_Income_Differences Female Age Age_squared ib2.education ib1.employment  
socx netmigpct yrdum2 i.country, or
```

```
logit Jobs Female Age Age_squared ib2.education ib1.employment socx netmigpct yrdum2  
i.country, or
```

```
logit Old_Age_Care Female Age Age_squared ib2.education ib1.employment emprate  
netmigpct yrdum2 i.country, or
```

```
logit Unemployed Female Age Age_squared ib2.education ib1.employment emprate netmigpct  
yrdum2 i.country, or
```

```
logit Reduce_Income_Differences Female Age Age_squared ib2.education ib1.employment  
emprate netmigpct yrdum2 i.country, or
```

```
logit Jobs Female Age Age_squared ib2.education ib1.employment emprate netmigpct  
yrdum2 i.country, or
```

Team: 50
Software: R
Version: ORIGINAL

```
rm(list=ls())
setwd("/")

library(tidyverse)
library(readr)
library(haven)
library(lfe)
library(car)

ZA4700 <- read_dta("ZA4700.dta")
ZA2900 <- read_dta("ZA2900.dta")
L2data <- read_dta("L2data.dta")

ZA4700 <- ZA4700 %>% select(-ends_with("DEGR"), -ends_with("INC"), -ends_with("PRTY"),
                           -ends_with("REG"), -ends_with("SIZE"))

ISSP96 <- ZA2900 %>% select(v2, v3, v36, v39, v41, v42, v200, v201, v205, v206)
ISSP06 <- ZA4700 %>% select(V2, V3a, V25, V28, V30, V31, sex, age, degree, wrkst)
rm(ZA2900, ZA4700)

colnames(ISSP96) <- c("ID", "code96", "Jobs", "OldAge", "Unemployed",
                     "Reduce", "Sex", "Age", "Educ", "Employ")
colnames(ISSP06) <- c("ID", "code06", "Jobs", "OldAge", "Unemployed",
                     "Reduce", "Sex", "Age", "Educ", "Employ")

country_data <- L2data[complete.cases(L2data),]
colnames(country_data) <- c("code06", "year", "emprate", "foreignpct", "socx",
                           "netmigpct", "country")
country_data96 <- country_data %>% filter(year==1996)
country_data06 <- country_data %>% filter(year==2006)

rm(country_data, L2data)

countrycodes96 <- data.frame( code96=c(1:4,6,8,9:10,12:28,30),
                             countrynames=c("AUS","D-W","D-E","GB","US",
                                              "HU","I","IRL","NO","SE","CZ",
                                              "SLO","PL","BG","RUS","NZ",
                                              "CDN","PH","IL-J","IL-A","JP",
                                              "ES","LV","FR","CY","CH"))

countrycodes06 <- data.frame( code06=c(36,124,152,158,191,203,208,214,246,
                                       250,2761,2762,348,372,3761,3762,392,
                                       410,428,528,554,561,578,608,616,620,
                                       643,703,705,710,724,752,756,8261,840,858,862),
                             countrynames=c("AUS","CDN","CL","TW","HR","CZ",
                                              "DK","DO","FI","FR","D-W","D-E",
                                              "HU","IRL","IL-J","IL-A","JP",
                                              "KR","LV","NL","NZ","FLA",
                                              "NO","PH","PL","PT","RUS","SK",
                                              "SLO","ZA","ES","SE","CH","GB",
                                              "US","UY","VE"))

countrycodesjoined <- inner_join(countrycodes96,countrycodes06,by=c("countrynames"))
rm(countrycodes06, countrycodes96)

b1 <- inner_join(ISSP96,countrycodesjoined,by=c("code96"))
```

```

b1$code06 <- ifelse(b1$code06 == 2761 | b1$code06 == 2762 , 276, b1$code06)
b <- inner_join(b1,country_data96,by=c("code06"))
b <- b %>% select(-c("code96", "code06"))

b$Educ <- as.factor(recode(b$Educ, "1:3=1;4:6=2;7=3; else=NA"))
b$Employ <- as.factor(recode(b$Employ, "2:3=1; 4=2; 6:10=2; 5=3; 1=4; else=NA" ))

countrycodesjoined$code06 <- ifelse(countrycodesjoined$code06 == 2761 |
  countrycodesjoined$code06 == 2762 ,
  276, countrycodesjoined$code06)
a1 <- inner_join(ISSP06,countrycodesjoined,by=c("code06"))
a <- inner_join(a1, country_data06, by=c("code06"))
a <- a %>% select(-c("code96", "code06"))

a$Educ <- as.factor(car::recode(a$Educ, "0:1=1;2:4=2;5=3; else=NA"))
a$Employ <- as.factor(recode(a$Employ, "2:3=1; 4=2; 6:10=2; 5=3; 1=4; else=NA" ))

b$ID <- b$ID * 10

finaldata <- rbind(a,b)
rm(a,a1,b,b1)

finaldata$Jobs <- car::recode(finaldata$Jobs, "1:2=1;3:4=0;else=NA")
finaldata$OldAge <- car::recode(finaldata$OldAge, "1:2=1;3:4=0;else=NA")
finaldata$Unemployed <- car::recode(finaldata$Unemployed, "1:2=1;3:4=0;else=NA")
finaldata$Reduce <- car::recode(finaldata$Reduce, "1:2=1;3:4=0;else=NA")

finaldata$Sex <- car::recode(finaldata$Sex, "1=0;2=1;else=NA")

finaldata <- data.frame(finaldata)
finaldata$year <- as.factor(finaldata$year)
finaldata$country <- as.factor(finaldata$country) #12 countries: but 1 is 2.

finaldata <- within(finaldata, Educ <- relevel(Educ, ref=2))
finaldata <- within(finaldata, Employ <- relevel(Employ, ref=4))

modell <- glm(OldAge ~ foreignpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(modell))
summary(modell)
model2 <- glm(Unemployed ~ foreignpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model2))
summary(model2)
model3 <- glm(Reduce ~ foreignpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model3))
summary(model3)
model4 <- glm(Jobs ~ foreignpct + Sex + Age + Age^2 + Educ + Employ + year + country,
  data = finaldata, family="binomial")
exp(coef(model4))
summary(model4)

model5 <- glm(OldAge ~ foreignpct + socx + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model5))
summary(model5)
model6 <- glm(Unemployed ~ foreignpct + socx + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model6))
summary(model6)

```

```

model7 <- glm(Reduce ~ foreignpct + socx + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model7))
summary(model7)
model8 <- glm(Jobs ~ foreignpct + socx + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model8))
summary(model8)

model9 <- glm(OldAge ~ foreignpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model9))
summary(model9)
model10 <- glm(Unemployed ~ foreignpct + emprate + Sex + Age + Age^2 + Educ + Employ
  + year + country, data = finaldata, family="binomial")
exp(coef(model10))
summary(model10)

model11 <- glm(Reduce ~ foreignpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model11))
summary(model11)
model12 <- glm(Jobs ~ foreignpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model12))
summary(model12)

model13 <- glm(OldAge ~ netmigpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model13))
summary(model13)
model14 <- glm(Unemployed ~ netmigpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model14))
summary(model14)
model15 <- glm(Reduce ~ netmigpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model15))
summary(model15)
model16 <- glm(Jobs ~ netmigpct + Sex + Age + Age^2 + Educ + Employ + year + country,
  data = finaldata, family="binomial")
exp(coef(model16))
summary(model16)

model17 <- glm(OldAge ~ netmigpct + socx + Sex + Age + Age^2 + Educ + Employ + year
  + country, data = finaldata, family="binomial")
exp(coef(model17))
summary(model17)
model18 <- glm(Unemployed ~ netmigpct + socx + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model18))
summary(model18)
model19 <- glm(Reduce ~ netmigpct + socx + Sex + Age + Age^2 + Educ + Employ + year
  + country, data = finaldata, family="binomial")
exp(coef(model19))
summary(model19)
model20 <- glm(Jobs ~ netmigpct + socx + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model20))
summary(model20)

model21 <- glm(OldAge ~ netmigpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")

```

```

exp(coef(model21))
summary(model21)
model22 <- glm(Unemployed ~ netmigpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  Sex + Age + Age^2 + Educ + Employ + year + country, data = finaldata,
  family="binomial")
exp(coef(model22))
summary(model22)
model23 <- glm(Reduce ~ netmigpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  Sex + Age + Age^2 + Educ + Employ + year + country, data = finaldata,
  family="binomial")
exp(coef(model23))
summary(model23)
model24 <- glm(Jobs ~ netmigpct + emprate + Sex + Age + Age^2 + Educ + Employ + year
  + country, data = finaldata, family="binomial")
exp(coef(model24))
summary(model24)

```

Team: 50
 Software: R
 Version: CURATED

```

rm(list=ls())
setwd("/")

library(tidyverse)
library(readr)
library(haven)
library(lfe)
library(car)

ZA4700 <- read_dta("ZA4700.dta")
ZA2900 <- read_dta("ZA2900.dta")
L2data <- read_dta("L2data.dta")

ZA4700 <- ZA4700 %>% select(-ends_with("DEGR"), -ends_with("INC"), -ends_with("PRTY"),
  -ends_with("REG"), -ends_with("SIZE"))

ISSP96 <- ZA2900 %>% select(v2, v3, v36, v39, v41, v42, v200, v201, v205, v206)
ISSP06 <- ZA4700 %>% select(V2, V3a, V25, V28, V30, V31, sex, age, degree, wrkst)
rm(ZA2900, ZA4700)

colnames(ISSP96) <- c("ID", "code96", "Jobs", "OldAge", "Unemployed",
  "Reduce", "Sex", "Age", "Educ", "Employ")
colnames(ISSP06) <- c("ID", "code06", "Jobs", "OldAge", "Unemployed",
  "Reduce", "Sex", "Age", "Educ", "Employ")

country_data <- L2data[complete.cases(L2data),]
colnames(country_data) <- c("code06", "year", "emprate", "foreignpct", "soex",
  "netmigpct", "country")
country_data96 <- country_data %>% filter(year==1996)
country_data06 <- country_data %>% filter(year==2006)

rm(country_data, L2data)

countrycodes96 <- data.frame( code96=c(1:4,6,8,9:10,12:28,30),
  countrynames=c("AUS","D-W","D-E","GB","US",
    "HU", "I", "IRL", "NO", "SE", "CZ",
    "SLO", "PL", "BG", "RUS", "NZ",
    "CDN", "PH", "IL-J", "IL-A", "JP",
    "ES", "LV", "FR", "CY", "CH"))

countrycodes06 <- data.frame( code06=c(36,124,152,158,191,203,208,214,246,

```

```

250,2761,2762,348,372,3761,3762,392,
410,428,528,554,561,578,608,616,620,
643,703,705,710,724,752,756,8261,840,858,862),
countrynames=c("AUS","CDN","CL","TW","HR","CZ",
"DK","DO","FI","FR","D-W","D-E",
"HU","IRL","IL-J","IL-A","JP",
"KR","LV","NL","NZ","FLA",
"NO","PH","PL","PT","RUS","SK",
"SLO","ZA","ES","SE","CH","GB",
"US","UY","VE"))

countrycodesjoined <- inner_join(countrycodes96,countrycodes06,by=c("countrynames"))
rm(countrycodes06, countrycodes96)

b1 <- inner_join(ISSP96,countrycodesjoined,by=c("code96"))
b1$code06 <- ifelse(b1$code06 == 2761 | b1$code06 == 2762 , 276, b1$code06)
b <- inner_join(b1,country_data96,by=c("code06")) #Watch out for the variable to match
on
b <- b %>% select(-c("code96", "code06"))

b$Educ <- as.factor(recode(b$Educ, "1:3=1;4:6=2;7=3; else=NA"))
b$Employ <- as.factor(recode(b$Employ, "2:3=1; 4=2; 6:10=2; 5=3; 1=4; else=NA" ))

countrycodesjoined$code06 <- ifelse(countrycodesjoined$code06 == 2761 |
countrycodesjoined$code06 == 2762 ,
276, countrycodesjoined$code06)
a1 <- inner_join(ISSP06,countrycodesjoined,by=c("code06"))
a <- inner_join(a1, country_data06, by=c("code06"))
a <- a %>% select(-c("code96", "code06"))

a$Educ <- as.factor(car::recode(a$Educ, "0:1=1;2:4=2;5=3; else=NA"))
a$Employ <- as.factor(recode(a$Employ, "2:3=1; 4=2; 6:10=2; 5=3; 1=4; else=NA" ))

b$ID <- b$ID * 10

colnames(a) <-
c("ID","Jobs","OldAge","Unemployed","Reduce","Sex","Age","Educ","Employ","countryname
s","year","emprate","foreignpct","socx","netmigpct","country")
colnames(b) <-
c("ID","Jobs","OldAge","Unemployed","Reduce","Sex","Age","Educ","Employ","countryname
s","year","emprate","foreignpct","socx","netmigpct","country")
write.csv(a, "acri59.csv")
write.csv(b, "bcri59.csv")
a <- read.csv("acri59.csv")
b <- read.csv("bcri59.csv")
#b <- select(b, -c("X"))
finaldata <- rbind(a,b)
rm(a,a1,b,b1)

finaldata$Jobs <- car::recode(finaldata$Jobs, "1:2=1;3:4=0;else=NA")
finaldata$OldAge <- car::recode(finaldata$OldAge, "1:2=1;3:4=0;else=NA")
finaldata$Unemployed <- car::recode(finaldata$Unemployed, "1:2=1;3:4=0;else=NA")
finaldata$Reduce <- car::recode(finaldata$Reduce, "1:2=1;3:4=0;else=NA")

finaldata$Sex <- car::recode(finaldata$Sex, "1=0;2=1;else=NA")

finaldata <- data.frame(finaldata)
finaldata$year <- as.factor(finaldata$year)
finaldata$country <- as.factor(finaldata$country) #12 countries: but 1 is 2.

finaldata <- finaldata %>%
mutate(Educ = as.factor(Educ),
Employ = as.factor(Employ),

```

```

Jobs = as.numeric(Jobs),
OldAge = as.numeric(OldAge),
Unemployed = as.numeric(Unemployed),
Reduce = as.numeric(Reduce))
finaldata <- within(finaldata, Educ <- relevel(Educ, ref=2))
finaldata <- within(finaldata, Employ <- relevel(Employ, ref=4))

model11 <- glm(OldAge ~ foreignpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model11))
summary(model11)
model12 <- glm(Unemployed ~ foreignpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model12))
summary(model12)
model13 <- glm(Reduce ~ foreignpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model13))
summary(model13)
model14 <- glm(Jobs ~ foreignpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model14))
summary(model14)

model15 <- glm(OldAge ~ foreignpct + socx + Sex + Age + Age^2 + Educ + Employ + year
  + country, data = finaldata, family="binomial")
exp(coef(model15))
summary(model15)
model16 <- glm(Unemployed ~ foreignpct + socx + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model16))
summary(model16)
model17 <- glm(Reduce ~ foreignpct + socx + Sex + Age + Age^2 + Educ + Employ + year
  + country, data = finaldata, family="binomial")
exp(coef(model17))
summary(model17)
model18 <- glm(Jobs ~ foreignpct + socx + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model18))
summary(model18)

model19 <- glm(OldAge ~ foreignpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model19))
summary(model19)
model20 <- glm(Unemployed ~ foreignpct + emprate + Sex + Age + Age^2 + Educ + Employ
  + year + country, data = finaldata, family="binomial")
exp(coef(model10))
summary(model10)

model21 <- glm(Reduce ~ foreignpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model11))
summary(model11)
model22 <- glm(Jobs ~ foreignpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model12))
summary(model12)

model23 <- glm(OldAge ~ netmigpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model13))

```



```

summary(model113)
model24 <- glm(Unemployed ~ netmigpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model114))
summary(model114)
model25 <- glm(Reduce ~ netmigpct + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model115))
summary(model115)
model26 <- glm(Jobs ~ netmigpct + Sex + Age + Age^2 + Educ + Employ + year + country,
  data = finaldata, family="binomial")
exp(coef(model116))
summary(model116)

model27 <- glm(OldAge ~ netmigpct + socx + Sex + Age + Age^2 + Educ + Employ + year
  + country, data = finaldata, family="binomial")
exp(coef(model117))
summary(model117)
model28 <- glm(Unemployed ~ netmigpct + socx + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model118))
summary(model118)
model29 <- glm(Reduce ~ netmigpct + socx + Sex + Age + Age^2 + Educ + Employ + year
  + country, data = finaldata, family="binomial")
exp(coef(model119))
summary(model119)
model30<- glm(Jobs ~ netmigpct + socx + Sex + Age + Age^2 + Educ + Employ + year +
  country, data = finaldata, family="binomial")
exp(coef(model120))
summary(model120)

model31 <- glm(OldAge ~ netmigpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  year + country, data = finaldata, family="binomial")
exp(coef(model121))
summary(model121)
model32 <- glm(Unemployed ~ netmigpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  Sex + Age + Age^2 + Educ + Employ + year + country, data = finaldata,
  family="binomial")
exp(coef(model122))
summary(model122)
model33 <- glm(Reduce ~ netmigpct + emprate + Sex + Age + Age^2 + Educ + Employ +
  Sex + Age + Age^2 + Educ + Employ + year + country, data = finaldata,
  family="binomial")
exp(coef(model123))
summary(model123)
model34 <- glm(Jobs ~ netmigpct + emprate + Sex + Age + Age^2 + Educ + Employ + year
  + country, data = finaldata, family="binomial")
exp(coef(model124))
summary(model124)

models <- list(model111,model112,model113,model114,model115,model116 ,model117 ,model118
  ,model119 ,model120 ,model121 ,model122 ,model123 ,model124 ,model125 ,model126 ,model127
  ,model128 ,model129 ,model130 ,model131 ,model132 ,model133 ,model134)

pacman::p_load("textreg")
library(tidyverse)
library(haven)
library(foreign)
library(MASS)
library(openxlsx)

```

```
library(knitr)
library(broom)
library(stargazer)
library(texreg)
htmlreg(models,
  override.coef = lapply(models, function(x) exp(coef(x))),
  override.se = lapply(models, function(x) coef(x)/sqrt(diag(vcov(x)))),
  caption.above = TRUE,
  single.row = FALSE, stars = c(0.001, 0.01, 0.05),
  digits = 3,
  file = "table_team57.doc")
```

Team: 51
Software: Stata
Version: ORIGINAL

*PI note: these are the snippets that were saved by the team, workflow is incomplete

```
recode Country 1=36 2=276 3=276 4=826 5=826 6=840 8=348 10=372 11=528 12=578 14=203
15=705 16=616 18=643 19=554 20=124 22=376 23=376 24=392 26=428 30=756

append ZA4700R.dta

replace dless=1 if dless==1 | dless==2 | dless==3 | dless==4
replace dless=. if dless==99
replace dless=0 if dless==5 | dless==6 | dless==7

replace dmore=0 if dmore==1 | dmore==2 | dmore==3 | dmore==4 | dmore==5
replace dmore=. if dmore==99
replace dmore=1 if dmore==6 | dmore==7

replace dless=1 if dless==0 | dless==1 | dless==2
replace dless=. if dless==8 | dless==9
replace dless=0 if dless==3 | dless==4 | dless==5

replace dmore=0 if dmore==0 | dmore==1 | dmore==2 | dmore==3
replace dmore=. if dmore==8 | dmore==9
replace dmore=1 if dmore==4 | dmore==5

replace dpart=0 if dpart==1 | dpart==3 | dpart==4 | dpart==5 | dpart==6 | dpart==7 |
dpart==8 | dpart==9 | dpart==10
replace dpart=1 if dpart==2
replace dpart=. if dpart==97 | dpart==98 | dpart==99

replace dnact=0 if dnact==1 | dnact==2 | dnact==3 | dnact==4 | dnact==8
replace dnact=1 if dnact==5 | dnact==6 | dnact==7 | dnact==9 | dnact==10
replace dnact=. if dnact==97 | dnact==98 | dnact==99

replace dact=0 if dact==1 | dact==2 | dact==5 | dact==6 | dact==7 | dact==9 | dact==10
replace dact=1 if dact==3 | dact==4 | dact==8
replace dact=. if dact==97 | dact==98 | dact==99

melogit Old_Age_Care foreignpct Female Age AgeSq dless dmore dpart dnact dact ||
foreignpct: cntry, or
melogit Unemployed foreignpct Female Age AgeSq dless dmore dpart dnact dact ||
foreignpct: cntry, or
melogit Reduce_Income_Differences foreignpct Female Age AgeSq dless dmore dpart dnact
dact || foreignpct: cntry, or
melogit Jobs foreignpct Female Age AgeSq dless dmore dpart dnact dact || foreignpct:
cntry, or

melogit Old_Age_Care foreignpct socx Female Age AgeSq dless dmore dpart dnact dact ||
foreignpct: cntry Year || socx: cntry Year, intmethod(laplace) or technique(bfgs)
iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)
melogit Unemployed foreignpct socx Female Age AgeSq dless dmore dpart dnact dact ||
foreignpct: cntry Year || socx: cntry Year, intmethod(laplace) or technique(bfgs)
iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)
melogit Reduce_Income_Differences foreignpct socx Female Age AgeSq dless dmore dpart
dnact dact || foreignpct: cntry Year || socx: cntry Year, intmethod(laplace) or
technique(bfgs) iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)
```

```

melogit Jobs foreignpct socx Female Age AgeSq dless dmore dpart dnact dact ||
  foreignpct: cntry Year || socx: cntry Year, intmethod(laplace) or technique(bfgs)
  iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)

melogit Old_Age_Care foreignpct emprate Female Age AgeSq dless dmore dpart dnact dact
  || foreignpct: cntry Year || emprate: cntry Year, intmethod(laplace) or difficult
  technique(bfgs) iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)
melogit Unemployed foreignpct emprate Female Age AgeSq dless dmore dpart dnact dact ||
  foreignpct: cntry Year || emprate: cntry Year, intmethod(laplace) or difficult
  technique(bfgs) iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)
melogit Reduce_Income_Differences foreignpct emprate Female Age AgeSq dless dmore
  dpart dnact dact || foreignpct: cntry Year || emprate: cntry Year, intmethod(laplace)
  or difficult technique(bfgs) iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)
melogit Jobs foreignpct emprate Female Age AgeSq dless dmore dpart dnact dact ||
  foreignpct: cntry Year || emprate: cntry Year, intmethod(laplace) or difficult
  technique(bfgs) iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)

melogit Old_Age_Care netmigpct Female Age AgeSq dless dmore dpart dnact dact ||
  netmigpct: cntry, or
melogit Unemployed netmigpct Female Age AgeSq dless dmore dpart dnact dact ||
  netmigpct: cntry, or
melogit Reduce_Income_Differences netmigpct Female Age AgeSq dless dmore dpart dnact
  dact || netmigpct: cntry, or
melogit Jobs netmigpct Female Age AgeSq dless dmore dpart dnact dact || netmigpct:
  cntry, or

melogit Old_Age_Care netmigpct socx Female Age AgeSq dless dmore dpart dnact dact ||
  netmigpct: cntry Year || socx: cntry Year, intmethod(laplace) or difficult
  technique(bfgs) iterate(100) tolerance(1e-1) ltolerance(1e-1) nrtolerance(1e-1)
melogit Unemployed netmigpct socx Female Age AgeSq dless dmore dpart dnact dact ||
  netmigpct: cntry Year || socx: cntry Year, intmethod(laplace) or difficult
  technique(bfgs) iterate(100) tolerance(1e-1) ltolerance(1e-1) nrtolerance(1e-1)
melogit Reduce_Income_Differences netmigpct socx Female Age AgeSq dless dmore dpart
  dnact dact || netmigpct: cntry Year || socx: cntry Year, intmethod(laplace) or
  difficult technique(bfgs) iterate(100) tolerance(1e-1) ltolerance(1e-1)
  nrtolerance(1e-1)
melogit Jobs netmigpct socx Female Age AgeSq dless dmore dpart dnact dact ||
  netmigpct: cntry Year || socx: cntry Year, intmethod(laplace) or difficult
  technique(bfgs) iterate(100) tolerance(1e-1) ltolerance(1e-1) nrtolerance(1e-1)

melogit Old_Age_Care netmigpct emprate Female Age AgeSq dless dmore dpart dnact dact
  || netmigpct: cntry Year || emprate: cntry Year, intmethod(laplace) or difficult
  technique(bfgs) iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)
melogit Unemployed netmigpct emprate Female Age AgeSq dless dmore dpart dnact dact ||
  netmigpct: cntry Year || emprate: cntry Year, intmethod(laplace) or difficult
  technique(bfgs) iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)
melogit Reduce_Income_Differences netmigpct emprate Female Age AgeSq dless dmore dpart
  dnact dact || netmigpct: cntry Year || emprate: cntry Year, intmethod(laplace) or
  difficult technique(bfgs) iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)
melogit Jobs netmigpct emprate Female Age AgeSq dless dmore dpart dnact dact ||
  netmigpct: cntry Year || emprate: cntry Year, intmethod(laplace) or difficult
  technique(bfgs) iterate(100) tolerance(1) ltolerance(1) nrtolerance(1)

```

Team: 52
Software: R
Version: ORIGINAL

```
pacman::p_load(tidyverse,
               haven,
               rvest,
               kableExtra,
               sjlabelled,
               descr,
               sjmisc,
               car,
               countrycode
               )

l2 <- read_dta("L2data.dta")
names(l2)
issp96 <- read_dta("ZA2900.dta")
issp06 <- read_dta("ZA4700.dta")
names(issp06) <- tolower(names(issp06))

issp96.labs <- issp96 %>%
  map_chr(~attributes(.)$label)
issp06.labs <- issp06 %>%
  map_chr(~attributes(.)$label)

issp96.labs[grep("provide", issp96.labs)]
issp96.labs[grep("duce", issp96.labs)]
issp96.labs[grep("job", issp96.labs)]

dep.96 <- issp96 %>%
  select("v39", "v41", "v42", "v36") %>%
  rename(old.age = v39, unemploy = v41, red.inc = v42, jobs = v36)

dep.96 <- as_tibble(ifelse(dep.96 <= 2, 1, ifelse(dep.96 <= 4, 0, NA)))

issp96.labs[grep("sex", issp96.labs)]
issp96.labs[grep(" [Aa]ge ", issp96.labs)]
issp96.labs[grep("ducat", issp96.labs)]
issp96.labs[grep("yment", issp96.labs)]
issp96.labs[grep("ountry", issp96.labs)]

ind.96 <- issp96 %>%
  select("v2", "v3", "v200", "v201", "v205", "v206") %>%
  rename(id.r = v2, country=v3, sex = v200, age = v201, educ =
        v205, empl = v206)

ind.96$sex= Recode(ind.96$sex,"1=0 ; 2=1")
ind.96$educ <- ifelse(ind.96$educ <= 4, "Primary or less",
  ifelse(ind.96$educ == 5 | ind.96$educ == 6, "Secondary",
ifelse(ind.96$educ == 7, "University", NA)))
ind.96$educ <- releval(as_factor(ind.96$educ), ref = "Secondary")
ind.96$empl <- ifelse(ind.96$empl == 1, "Full-time",
  ifelse(ind.96$empl == 2 | ind.96$empl == 3, "Part-time",
  ifelse(ind.96$empl == 4 | ind.96$empl == 5, "Active unemployed",
  ifelse(ind.96$empl >= 6, "Not active", NA))))

ind.96$empl <- releval(as.factor(ind.96$empl), ref = "Full-time")
ind.96$year <- rep(1996, n = nrow(ind.96))
```

```

issp06.labs[grepl("rovide", issp06.labs)]
issp06.labs[grepl("duce", issp06.labs)]
issp06.labs[grepl("job", issp06.labs)]
dep.06 <- issp06 %>% select ("v28", "v30", "v31", "v25") %>%
  rename(old.age = v28, unemploy = v30, red.inc = v31, jobs = v25)

dep.06 <- as_tibble(ifelse(dep.06 <= 2, 1, ifelse(dep.06 <= 4, 0, NA)))

issp06.labs[grepl("[Ss]ex", issp06.labs)]
issp06.labs[grepl("[Aa]ge", issp06.labs)]
issp06.labs[grepl("ducat", issp06.labs)]
issp06.labs[grepl("yment", issp06.labs)]

ind.06 <- issp06 %>%
  select("v2", "v3", "sex", "age", "degree", "wrkst") %>%
  rename(id.r = v2, country=v3, educ = degree, empl = wrkst)

ind.06$sex= Recode(ind.06$sex,"1=0 ; 2=1")
ind.06$educ <- ifelse(ind.06$educ <= 2, "Primary or less",
  ifelse(ind.06$educ == 3 | ind.06$educ == 4, "Secondary",
  ifelse(ind.06$educ == 5, "University", NA)))
ind.06$educ <- releval(as_factor(ind.06$educ), ref = "Secondary")
ind.06$empl <- ifelse(ind.06$empl == 1, "Full-time",
  ifelse(ind.06$empl == 2 | ind.06$empl == 3, "Part-time",
  ifelse(ind.06$empl == 4 | ind.06$empl == 5, "Active
unemployed",
  ifelse(ind.06$empl >= 6 , "Not active", NA))))
ind.06$empl <- releval(as.factor(ind.06$empl), ref = "Full-time")
ind.06$year <- rep(2006, n = nrow(ind.06))

ind.06$countryiso <- as.character(as_factor(ind.06$country))
ind.06$countryiso <- gsub("\\.[0-9]", "", ind.06$country)
ind.06$countryiso=as.numeric(ind.06$countryiso)

ind.96$countryiso=Recode(ind.96$country,
"1=036;
2=276;
3=276;
4=826;
5=826;
6=840;
7=040;
8=348;
9=380;
10=372;
11=528;
12=578;
13=752;
14=203;
15=705;
16=616;
17=100;
18=643;
19=554;
20=124;
21=608;
22=376;
23=376;
24=392;
25=724;
26=428;
27=250;

```

```

28=196;
30=756")

ind.96$countryisoc <- countrycode(ind.96$countryiso, "iso3n", "iso3c")

ind.96 %>% group_by(country) %>% select(country, countryiso, countryisoc) %>%
  summarise(countryiso=mean(countryiso), countryisoc=first(countryisoc))

issp <- bind_rows(bind_cols(dep.06, ind.06),
                  bind_cols(dep.96, ind.96))
issp$country <- NULL
issp = rename(issp, country = countryiso)

com.cntr <- intersect(unique(ind.06$countryiso), unique(ind.96$countryiso))

not.rich=c(203,348,376,428,608,616,705,724)

coun.anlys <- com.cntr[!(com.cntr %in% not.rich)]

isspf <- filter(issp, country %in% coun.anlys)

issp = rename(issp, country = countryiso)
l2=rename(l2, country=cntry, country_lab=country)
l2=rename(l2, country=cntry)

issp <- merge(isspf, l2, by = c("country", "year"))

issp %>% group_by(country, year) %>% summarise_if(is.numeric, mean, na.rm = TRUE)

issp %>% group_by(country, year) %>% summarise(total.count=n())

library(foreign)

write.dta(issp, "issp.dta")

```

Team: 52

Software: R

Version: CURATED

```

pacman::p_load(tidyverse,
               haven,
               rvest,
               kableExtra,
               sjlabelled,
               descr,
               sjmisc,
               car,
               countrycode
               )

l2 <- read_dta("L2data.dta")
names(l2)
issp96 <- read_dta("ZA2900.dta")
issp06 <- read_dta("ZA4700.dta")
names(issp06) <- tolower(names(issp06))

issp96.labs <- issp96 %>%
  map_chr(~attributes(.)$label)
issp06.labs <- issp06 %>%
  map_chr(~attributes(.)$label)

```

```

issp96.labs[grepl("provide", issp96.labs)]
issp96.labs[grepl("duce", issp96.labs)]
issp96.labs[grepl("job", issp96.labs)]

dep.96 <- issp96 %>%
  select("v39", "v41", "v42", "v36") %>%
  rename(old.age = v39, unemploy = v41, red.inc = v42, jobs = v36)

dep.96 <- as_tibble(ifelse(dep.96 <= 2, 1, ifelse(dep.96 <= 4, 0, NA)))

issp96.labs[grepl("sex", issp96.labs)]
issp96.labs[grepl(" [Aa]ge ", issp96.labs)]
issp96.labs[grepl("ducat", issp96.labs)]
issp96.labs[grepl("yment", issp96.labs)]
issp96.labs[grepl("ountry", issp96.labs)]

ind.96 <- issp96 %>%
  select("v2", "v3", "v200", "v201", "v205", "v206") %>%
  rename(id.r = v2, country=v3, sex = v200, age = v201, educ =
    v205, empl = v206)

ind.96$sex= Recode(ind.96$sex,"1=0 ; 2=1")
ind.96$educ <- ifelse(ind.96$educ <= 4, "Primary or less",
  ifelse(ind.96$educ == 5 | ind.96$educ == 6, "Secondary",
ifelse(ind.96$educ == 7, "University", NA)))
ind.96$educ <- relevel(as_factor(ind.96$educ), ref = "Secondary")
ind.96$empl <- ifelse(ind.96$empl == 1, "Full-time",
  ifelse(ind.96$empl == 2 | ind.96$empl == 3, "Part-time",
  ifelse(ind.96$empl == 4 | ind.96$empl == 5, "Active unemployed",
  ifelse(ind.96$empl >= 6, "Not active", NA))))

ind.96$empl <- relevel(as.factor(ind.96$empl), ref = "Full-time")
ind.96$year <- rep(1996, n = nrow(ind.96))

issp06.labs[grepl("rovide", issp06.labs)]
issp06.labs[grepl("duce", issp06.labs)]
issp06.labs[grepl("job", issp06.labs)]
dep.06 <- issp06 %>% select ("v28", "v30", "v31", "v25") %>%
  rename(old.age = v28, unemploy = v30, red.inc = v31, jobs = v25)

dep.06 <- as_tibble(ifelse(dep.06 <= 2, 1, ifelse(dep.06 <= 4, 0, NA)))

issp06.labs[grepl("[Ss]ex", issp06.labs)]
issp06.labs[grepl("[Aa]ge", issp06.labs)]
issp06.labs[grepl("ducat", issp06.labs)]
issp06.labs[grepl("yment", issp06.labs)]

ind.06 <- issp06 %>%
  select("v2", "v3", "sex", "age", "degree", "wrkst") %>%
  rename(id.r = v2, country=v3, educ = degree, empl = wrkst)

ind.06$sex= Recode(ind.06$sex,"1=0 ; 2=1")
ind.06$educ <- ifelse(ind.06$educ <= 2, "Primary or less",
  ifelse(ind.06$educ == 3 | ind.06$educ == 4, "Secondary",
  ifelse(ind.06$educ == 5, "University", NA)))
ind.06$educ <- relevel(as_factor(ind.06$educ), ref = "Secondary")
ind.06$empl <- ifelse(ind.06$empl == 1, "Full-time",
  ifelse(ind.06$empl == 2 | ind.06$empl == 3, "Part-time",
  ifelse(ind.06$empl == 4 | ind.06$empl == 5, "Active
unemployed",
  ifelse(ind.06$empl >= 6 , "Not active", NA))))

```



```

ind.06$empl <- relevel(as.factor(ind.06$empl), ref = "Full-time")
ind.06$year <- rep(2006, n = nrow(ind.06))

ind.06$countryiso <- as.character(as_factor(ind.06$country))
ind.06$countryiso <- gsub("\\.[0-9]", "", ind.06$country)
ind.06$countryiso=as.numeric(ind.06$countryiso)

ind.96$countryiso=Recode(ind.96$country,
"1=036;
2=276;
3=276;
4=826;
5=826;
6=840;
7=040;
8=348;
9=380;
10=372;
11=528;
12=578;
13=752;
14=203;
15=705;
16=616;
17=100;
18=643;
19=554;
20=124;
21=608;
22=376;
23=376;
24=392;
25=724;
26=428;
27=250;
28=196;
30=756")

ind.96$countryisoc <- countrycode(ind.96$countryiso, "iso3n", "iso3c")

ind.96 %>% group_by(country) %>% select(country,countryiso,countryisoc) %>%
  summarise(countryiso=mean(countryiso),countryisoc=first(countryisoc))

issp <- bind_rows(bind_cols(dep.06, ind.06),
                  bind_cols(dep.96, ind.96))
issp$country <- NULL
issp = rename(issp, country = countryiso)

com.cntr <- intersect(unique(ind.06$countryiso), unique(ind.96$countryiso))

not.rich=c(203,348,376,428,608,616,705,643)

coun.anlys <- com.cntr[!(com.cntr %in% not.rich)]

isspf <- filter(issp, country %in% coun.anlys)

issp = rename(issp, country=countryisoc)
l2=rename(l2, country_lab=country)
l2=rename(l2, country=cntry)

issp <- merge(isspf, l2, by = c("country", "year"))

issp %>% group_by(country,year) %>% summarise_if(is.numeric, mean,na.rm = TRUE)

```

```

issp %>% group_by(country,year) %>% summarise(total.count=n())

library(foreign)

write.dta(issp,"issp.dta")

```

Team: 52

Software: Stata

Version: ORIGINAL

```

use issp.dta, clear

gen age2=age^2 //squared age

quietly logit old_age foreignpct ///
            sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2)

quietly logit unemploy foreignpct ///
            sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit red_inc foreignpct ///
            sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit jobs foreignpct ///
            sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit old_age foreignpct socx ///
            sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit unemploy foreignpct socx ///
            sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit red_inc foreignpct socx ///
            sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit jobs foreignpct socx ///
            sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

```

```

quietly  logit old_age foreignpct emprate ///
          sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit unemploy foreignpct emprate ///
          sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit red_inc foreignpct emprate ///
          sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit jobs foreignpct emprate ///
          sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit old_age netmigpct ///
          sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit unemploy netmigpct ///
          sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit red_inc netmigpct ///
          sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit jobs netmigpct ///
          sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit old_age netmigpct socx ///
          sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit unemploy netmigpct socx ///
          sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit red_inc netmigpct socx ///

```

```

sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit jobs netmigpct socx ///
sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit old_age netmigpct emprate ///
sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit unemploy netmigpct emprate ///
sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit red_inc netmigpct emprate ///
sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit jobs netmigpct emprate ///
sex age age2 i.educ i.empl i.year i.country

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

egen clus2=group(country year)

quietly logit old_age foreignpct ///
sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2)

quietly logit unemploy foreignpct ///
sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit red_inc foreignpct ///
sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit jobs foreignpct ///
sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit old_age foreignpct socx ///

```

```

        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit unemploy foreignpct socx ///
        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit red_inc foreignpct socx ///
        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit jobs foreignpct socx ///
        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit old_age foreignpct emprate ///
        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)
outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit unemploy foreignpct emprate ///
        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)
outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit red_inc foreignpct emprate ///
        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit jobs foreignpct emprate ///
        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit old_age netmigpct ///
        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit unemploy netmigpct ///
        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly logit red_inc netmigpct ///
        sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

```

```

quietly  logit jobs netmigpct ///
          sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit old_age netmigpct socx ///
          sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit unemploy netmigpct socx ///
          sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit red_inc netmigpct socx ///
          sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit jobs netmigpct socx ///
          sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit old_age netmigpct emprate ///
          sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit unemploy netmigpct emprate ///
          sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit red_inc netmigpct emprate ///
          sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

quietly  logit jobs netmigpct emprate ///
          sex age age2 i.educ i.empl i.year i.country, vce(cluster clus2)

outreg2 using regression_models.xls, excel alpha(0.001, 0.01, 0.05) stnum(replace
coef=exp(coef)) cti(odds ratio) bdec(2) tstat tdec(2) append

```

Team: 53
Software: R
Version: ORIGINAL

```
library(tidyverse)
library(haven)
library(foreign)
library(MASS)
library(openxlsx)
library(knitr)
library(broom)
library(stargazer)

ISSP96 <- read.dta("ZA2900.dta")
ISSP06 <- read_dta("ZA4700.dta")

country <- read_dta("bradyfinnigan2014countrydata.dta")

ISSP96 <- ISSP96[ISSP96[["v3"]] == "aus" |
  ISSP96[["v3"]] == "cdn" |
  ISSP96[["v3"]] == "f" |
  ISSP96[["v3"]] == "D-W" |
  ISSP96[["v3"]] == "D-E" |
  ISSP96[["v3"]] == "irl" |
  ISSP96[["v3"]] == "j" |
  ISSP96[["v3"]] == "nz" |
  ISSP96[["v3"]] == "n" |
  ISSP96[["v3"]] == "e" |
  ISSP96[["v3"]] == "s" |
  ISSP96[["v3"]] == "ch" |
  ISSP96[["v3"]] == "gb" |
  ISSP96[["v3"]] == "usa", ]

country <- country[country[["country"]] == "Australia" |
  country[["country"]] == "Canada" |
  country[["country"]] == "France" |
  country[["country"]] == "Germany" |
  country[["country"]] == "Ireland" |
  country[["country"]] == "Japan" |
  country[["country"]] == "New Zealand" |
  country[["country"]] == "Norway" |
  country[["country"]] == "Spain" |
  country[["country"]] == "Sweden" |
  country[["country"]] == "Switzerland" |
  country[["country"]] == "United Kingdom" |
  country[["country"]] == "United States", ]

ISSP06$V3a <- as_factor(ISSP06$V3a)
ISSP06 <- ISSP06[ISSP06[["V3a"]] == "AU-Australia" |
  ISSP06[["V3a"]] == "CA-Canada" |
  ISSP06[["V3a"]] == "FR-France" |
  ISSP06[["V3a"]] == "DE-Germany" |
  ISSP06[["V3a"]] == "IE-Ireland" |
  ISSP06[["V3a"]] == "JP-Japan" |
  ISSP06[["V3a"]] == "NZ-New Zealand" |
  ISSP06[["V3a"]] == "NO-Norway" |
  ISSP06[["V3a"]] == "ES-Spain" |
  ISSP06[["V3a"]] == "SE-Sweden" |
  ISSP06[["V3a"]] == "CH-Switzerland" |
  ISSP06[["V3a"]] == "GB-Great Britain" |
  ISSP06[["V3a"]] == "US-United States", ]
```

```

ISSP96$age <- ISSP96$v201
ISSP96$ageSqu <- (ISSP96$age)^2
ISSP96$female <- ISSP96$v200
levels(ISSP96$female) <- c(0, 1, NA)
ISSP96$lessHS <- as.numeric(ISSP96$v205 == "None;still at school,uni" |
                             ISSP96$v205 == "Incpl primary" |
                             ISSP96$v205 == "Primary compl" |
                             ISSP96$v205 == "Incpl secondary")
ISSP96$univ <- as.numeric(ISSP96$v205 == "University compl")
ISSP96$ptemp <- as.numeric(ISSP96$v206 == "P-t empl,main job" |
                             ISSP96$v206 == "Less part-time" |
                             ISSP96$v206 == "Help family member")
ISSP96$unempy <- as.numeric(ISSP96$v206 == "Unemployed")
ISSP96$nolabor <- as.numeric(ISSP96$v206 == "Studt,school,educ" |
                             ISSP96$v206 == "Retired" |
                             ISSP96$v206 == "Housewife <man>" |
                             ISSP96$v206 == "Permanent disabled" |
                             ISSP96$v206 == "Oth,n i lab force" |
                             ISSP96$v206 == "na")
ISSP96$selfEmpy <- as.numeric(ISSP96$v213 == "Self-employed RP:informell")
ISSP96[is.na(ISSP96$v206),"selfEmpy"] = NA

ISSP96$pubEmpy <- as.numeric(ISSP96$v212 == "Government" | ISSP96$v212 == "Public
  owned firm")
ISSP96$pubEmpy[is.na(ISSP96$v206)] <- NA

ISSP96$highRel <- as.numeric(ISSP96$v220 == "Once a week or more" | ISSP96$v220 == "2-
  3 times a month")
ISSP96$lowRel <- as.numeric(ISSP96$v220 == "Once a month" | ISSP96$v220 == "Sev times
  a year" |
                             ISSP96$v220 == "Less frequently a year")
ISSP96$noRel <- as.numeric(ISSP96$v220 == "Never")

ISSP96$incZScore <- vector(mode="numeric", length=length(ISSP96$v3))
ISSP96$incZScore[!is.na(ISSP96$incZScore)] <- NA
for(i in levels(ISSP96[["v3"]])) {
  obs <- which(ISSP96[["v3"]] == i)
  ISSP96$incZScore[obs] <- scale(ISSP96[obs, "v218"])
}

ISSP96$neverMar <- as.numeric(ISSP96$v202 == "not married")
ISSP96$married <- as.numeric(ISSP96$v202 == "marr,liv as mar" |
                             ISSP96$v206 == "widowed" |
                             ISSP96$v206 == "divorced" |
                             ISSP96$v206 == "separated")
ISSP96$div <- as.numeric(ISSP96$v202 == "divorced")
ISSP96$widow <- as.numeric(ISSP96$v202 == "widowed")

ISSP96$hhsz <- ISSP96$v273

ISSP96$kidsHH <- as.numeric(ISSP96$v274 == "1 adult,1 child" |
                             ISSP96$v274 == "1 adult,2 child" |
                             ISSP96$v274 == "1 adult,3 or > ch" |
                             ISSP96$v274 == "2 adults,1 child" |
                             ISSP96$v274 == "2 adults,2 child" |
                             ISSP96$v274 == "2 adults,3 or > ch" |

```



```

ISSP96$v274 == "3 adults+children" |
ISSP96$v274 == "4 adults+ children" |
ISSP96$v274 == "5 adults+children" |
ISSP96$v274 == "6 adults+children" |
ISSP96$v274 == "7 adults+children" |
ISSP96$v274 == "8 adults+children")

ISSP96$rural <- as.numeric(ISSP96$v275 == "Rural")
ISSP96$suburb <- as.numeric(ISSP96$v275 == "Suburb,city,town,county seat")
ISSP96$urban <- as.numeric(ISSP96$v275 == "Urban")

ISSP96 <- ISSP96[~which(is.na(ISSP96$v218)), ]

ISSP06$ageSqu <- (ISSP06$age)^2
ISSP06$female <- as.numeric(ISSP06$sex == 2)
ISSP06$lessHS <- as.numeric(ISSP06$degree == 0 |
                             ISSP06$degree == 1 |
                             ISSP06$degree == 2)
ISSP06$univ <- as.numeric(ISSP06$degree == 5)
ISSP06$ptemp <- as.numeric(ISSP06$wrkst == 2 |
                             ISSP06$wrkst == 3 |
                             ISSP06$wrkst == 4)
ISSP06$unempy <- as.numeric(ISSP06$wrkst == 5)
ISSP06$noLabor <- as.numeric(ISSP06$wrkst == 6 |
                              ISSP06$wrkst == 7 |
                              ISSP06$wrkst == 8 |
                              ISSP06$wrkst == 9 |
                              ISSP06$wrkst == 10 )
ISSP06$selfEmpy <- as.numeric(ISSP06$wrktype == 4)
replace <- is.na(ISSP06$wrkst)
ISSP06[replace, "selfEmpy"] <- NA

ISSP06$pubEmpy <- as.numeric(ISSP06$wrktype == 1 | ISSP06$wrktype == 2)
replace <- is.na(ISSP06$wrkst)
ISSP06[replace, "pubEmpy"] <- NA

ISSP06$highRel <- as.numeric(ISSP06$attend == 1 |
                              ISSP06$attend == 2 |
                              ISSP06$attend == 3)
ISSP06$lowRel <- as.numeric(ISSP06$attend == 4 |
                              ISSP06$attend == 5 |
                              ISSP06$attend == 6 |
                              ISSP06$attend == 7)
ISSP06$noRel <- as.numeric(ISSP06$attend == 8)

ISSP06$neverMar <- as.numeric(ISSP06$marital == 5)
ISSP06$married <- as.numeric(ISSP06$marital == 2 |
                              ISSP06$marital == 3 |
                              ISSP06$marital == 4 |
                              ISSP06$marital == 5)
ISSP06$div <- as.numeric(ISSP06$marital == 3 |
                          ISSP06$marital == 4)
ISSP06$widow <- as.numeric(ISSP06$marital == 2)

ISSP06$hhsz <- ISSP06$hompop

```

```

ISSP06$kidsHH <- as.numeric(ISSP06$hhcycle == 2 |
                             ISSP06$hhcycle == 3 |
                             ISSP06$hhcycle == 4 |
                             ISSP06$hhcycle == 6 |
                             ISSP06$hhcycle == 7 |
                             ISSP06$hhcycle == 8 |
                             ISSP06$hhcycle == 10 |
                             ISSP06$hhcycle == 12 |
                             ISSP06$hhcycle == 14 |
                             ISSP06$hhcycle == 16 |
                             ISSP06$hhcycle == 18 |
                             ISSP06$hhcycle == 20)

ISSP06$rural <- as.numeric(ISSP06$urbrural == 4 |
                           ISSP06$urbrural == 5)
ISSP06$suburb <- as.numeric(ISSP06$marital == 2 |
                            ISSP06$marital == 3)

ISSP06$incZScore <- vector(mode="numeric", length=length(ISSP06$V3a))
ISSP06$countryIncome <- vector(mode = "character", length = length(ISSP06$V3a))
ISSP06$incZScore[!is.na(ISSP06$incZScore)] <- NA
ISSP06$countryIncome[!is.na(ISSP06$countryIncome)] <- NA
for(i in names(dplyr::select(ISSP06, ends_with("_INC")))) {
  ISSP06[!is.na(ISSP06[, i]), "countryIncome"] <- i
}
for(i in names(dplyr::select(ISSP06, ends_with("_INC")))){
  obs <- which(ISSP06[["countryIncome"]] == i)
  ISSP06$incZScore[obs] <- scale(ISSP06[obs, i])
}
ISSP06 <- subset(ISSP06, select = -countryIncome)
ISSP06 <- ISSP06[-which(is.na(ISSP06$incZScore)), ]

ISSP96$d.jobs <- numeric(length = length(ISSP96$v36))
ISSP96$d.jobs <- as.numeric(ISSP96$v36 == "Definitely should" | ISSP96$v36 ==
  "Probably should")
ISSP96[is.na(ISSP96$v36), "d.jobs"] <- NA

ISSP96$d.unempy <- numeric(length = length(ISSP96$v41))
ISSP96$d.unempy <- as.numeric(ISSP96$v41 == "Definitely should" | ISSP96$v41 ==
  "Probably should")
ISSP96[is.na(ISSP96$v41), "d.unempy"] <- NA

ISSP96$d.income <- numeric(length = length(ISSP96$v42))
ISSP96$d.income <- as.numeric(ISSP96$v42 == "Definitely should" | ISSP96$v42 ==
  "Probably should")
ISSP96[is.na(ISSP96$v42), "d.income"] <- NA

ISSP96$d.retire <- numeric(length = length(ISSP96$v39))
ISSP96$d.retire <- as.numeric(ISSP96$v39 == "Definitely should" | ISSP96$v39 ==
  "Probably should")
ISSP96[is.na(ISSP96$v39), "d.retire"] <- NA

ISSP96$d.housing <- numeric(length = length(ISSP96$v44))
ISSP96$d.housing <- as.numeric(ISSP96$v44 == "Definitely should" | ISSP96$v44 ==
  "Probably should")
ISSP96[is.na(ISSP96$v44), "d.housing"] <- NA

ISSP96$d.health <- numeric(length = length(ISSP96$v38))
ISSP96$d.health <- as.numeric(ISSP96$v38 == "Definitely should" | ISSP96$v38 ==
  "Probably should")

```

```

ISSP96[is.na(ISSP96$v38), "d.health"] <- NA

ISSP06$d.jobs <- numeric(length = length(ISSP06$v25))
ISSP06$d.jobs <- as.numeric(ISSP06$v25 == 1 | ISSP06$v25 == 2)
ISSP06[is.na(ISSP06$v25), "d.jobs"] <- NA

ISSP06$d.unempy <- numeric(length = length(ISSP06$v30))
ISSP06$d.unempy <- as.numeric(ISSP06$v30 == 1 | ISSP06$v30 == 2)
ISSP06[is.na(ISSP06$v30), "d.unempy"] <- NA

ISSP06$d.income <- numeric(length = length(ISSP06$v31))
ISSP06$d.income <- as.numeric(ISSP06$v31 == 1 | ISSP06$v31 == 2)
ISSP06[is.na(ISSP06$v31), "d.income"] <- NA

ISSP06$d.retire <- numeric(length = length(ISSP06$v28))
ISSP06$d.retire <- as.numeric(ISSP06$v28 == 1 | ISSP06$v28 == 2)
ISSP06[is.na(ISSP06$v28), "d.retire"] <- NA

ISSP06$d.housing <- numeric(length = length(ISSP06$v33))
ISSP06$d.housing <- as.numeric(ISSP06$v33 == 1 | ISSP06$v33 == 2)
ISSP06[is.na(ISSP06$v33), "d.housing"] <- NA

ISSP06$d.health <- numeric(length = length(ISSP06$v27))
ISSP06$d.health <- as.numeric(ISSP06$v27 == 1 | ISSP06$v27 == 2)
ISSP06[is.na(ISSP06$v27), "d.health"] <- NA

country2 <- dplyr::select(country, country, year, foreignpct, socx, emprate,
  netmigpct)

ISSP96$year <- 1996
ISSP06$year <- 2006

ISSP96$country <- vector(mode = "character", length = length(ISSP96$v1))
ISSP96[ISSP96$v3 == "aus", "country"] <- "Australia"
ISSP96[ISSP96$v3 == "cdn", "country"] <- "Canada"
ISSP96[ISSP96$v3 == "f", "country"] <- "France"
ISSP96[ISSP96$v3 == "D-W", "country"] <- "Germany"
ISSP96[ISSP96$v3 == "D-E", "country"] <- "Germany"
ISSP96[ISSP96$v3 == "irl", "country"] <- "Ireland"
ISSP96[ISSP96$v3 == "j", "country"] <- "Japan"
ISSP96[ISSP96$v3 == "nz", "country"] <- "New Zealand"
ISSP96[ISSP96$v3 == "n", "country"] <- "Norway"
ISSP96[ISSP96$v3 == "e", "country"] <- "Spain"
ISSP96[ISSP96$v3 == "s", "country"] <- "Sweden"
ISSP96[ISSP96$v3 == "ch", "country"] <- "Switzerland"
ISSP96[ISSP96$v3 == "gb", "country"] <- "United Kingdom"
ISSP96[ISSP96$v3 == "usa", "country"] <- "United States"

ISSP06$country <- vector(mode = "character", length = length(ISSP06$v1))
ISSP06[ISSP06$v3a == "AU-Australia", "country"] <- "Australia"
ISSP06[ISSP06$v3a == "CA-Canada", "country"] <- "Canada"
ISSP06[ISSP06$v3a == "FR-France", "country"] <- "France"
ISSP06[ISSP06$v3a == "DE-Germany", "country"] <- "Germany"
ISSP06[ISSP06$v3a == "IE-Ireland", "country"] <- "Ireland"
ISSP06[ISSP06$v3a == "JP-Japan", "country"] <- "Japan"
ISSP06[ISSP06$v3a == "NZ-New Zealand", "country"] <- "New Zealand"
ISSP06[ISSP06$v3a == "NO-Norway", "country"] <- "Norway"
ISSP06[ISSP06$v3a == "ES-Spain", "country"] <- "Spain"
ISSP06[ISSP06$v3a == "SE-Sweden", "country"] <- "Sweden"
ISSP06[ISSP06$v3a == "CH-Switzerland", "country"] <- "Switzerland"
ISSP06[ISSP06$v3a == "GB-Great Britain", "country"] <- "United Kingdom"

```

```

ISSP06[ISSP06$V3a == "US-United States", "country"] <- "United States"

ISSP96 <- dplyr::select(ISSP96, age, ageSqu, female, neverMar, div, widow, hhsize,
  kidsHH, rural, suburb, lessHS, univ, ptemp, unempy, nolabor, selfEmpy, pubEmpy,
  incZScore, highRel, lowRel, d.jobs, d.unempy, d.income, d.retire, d.housing,
  d.health, year, country)
ISSP06 <- dplyr::select(ISSP06, age, ageSqu, female, neverMar, div, widow, hhsize,
  kidsHH, rural, suburb, lessHS, univ, ptemp, unempy, nolabor, selfEmpy, pubEmpy,
  incZScore, highRel, lowRel, d.jobs, d.unempy, d.income, d.retire, d.housing,
  d.health, year, country)

merged <- rbind(ISSP96, ISSP06)
merged <- merge(merged, country2, by=c("country", "year"))

stargazer2 <- function(model, odd.ratio = F, ...) {
  if(!("list" %in% class(model))) model <- list(model)

  if (odd.ratio) {
    coefOR2 <- lapply(model, function(x) exp(coef(x)))
    seOR2 <- lapply(model, function(x) exp(coef(x)) * summary(x)$coef[, 2])
    p2 <- lapply(model, function(x) summary(x)$coefficients[, 4])
    stargazer(model, coef = coefOR2, se = seOR2, p = p2, ...)

  } else {
    stargazer(model, ...)
  }
}

Table4_1.1 <- glm(d.jobs ~ foreignpct + age + ageSqu + female + neverMar + div + widow
  + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
  selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_1.2 <- glm(d.unempy ~ foreignpct + age + ageSqu + female + neverMar + div +
  widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
  selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_1.3 <- glm(d.income ~ foreignpct + age + ageSqu + female + neverMar + div +
  widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
  selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_1.4 <- glm(d.retire ~ foreignpct + age + ageSqu + female + neverMar + div +
  widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
  selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_1.5 <- glm(d.housing ~ foreignpct + age + ageSqu + female + neverMar + div +
  widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
  selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_1.6 <- glm(d.health ~ foreignpct + age + ageSqu + female + neverMar + div +
  widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
  selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_1 <- list(Table4_1.1, Table4_1.2, Table4_1.3, Table4_1.4, Table4_1.5,
  Table4_1.6)

stargazer2(Table4_1, odd.ratio = T, type = "text")
summary(Table4_1.1)$coef[,3]
summary(Table4_1.2)$coef[,3]
summary(Table4_1.3)$coef[,3]
summary(Table4_1.4)$coef[,3]
summary(Table4_1.5)$coef[,3]
summary(Table4_1.6)$coef[,3]

```

```

Table4_2.1 <- glm(d.jobs ~ foreignpct + socx + age + ageSqu + female + neverMar + div
+ widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor
+ selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table4_2.2 <- glm(d.unempy ~ foreignpct + socx + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_2.3 <- glm(d.income ~ foreignpct + socx + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_2.4 <- glm(d.retire ~ foreignpct + socx + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_2.5 <- glm(d.housing ~ foreignpct + socx + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_2.6 <- glm(d.health ~ foreignpct + socx + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_2 <- list(Table4_2.1, Table4_2.2, Table4_2.3, Table4_2.4, Table4_2.5,
Table4_2.6)

stargazer2(Table4_2, odd.ratio = T, type = "text")
summary(Table4_2.1)$coef[,3]
summary(Table4_2.2)$coef[,3]
summary(Table4_2.3)$coef[,3]
summary(Table4_2.4)$coef[,3]
summary(Table4_2.5)$coef[,3]
summary(Table4_2.6)$coef[,3]

Table4_3.1 <- glm(d.jobs ~ foreignpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3.2 <- glm(d.unempy ~ foreignpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3.3 <- glm(d.income ~ foreignpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3.4 <- glm(d.retire ~ foreignpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3.5 <- glm(d.housing ~ foreignpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3.6 <- glm(d.health ~ foreignpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3 <- list(Table4_3.1, Table4_3.2, Table4_3.3, Table4_3.4, Table4_3.5,
Table4_3.6)

```

```

stargazer2(Table4_3, odd.ratio = T, type = "text")
summary(Table4_3.1)$coef[,3]
summary(Table4_3.2)$coef[,3]
summary(Table4_3.3)$coef[,3]
summary(Table4_3.4)$coef[,3]
summary(Table4_3.5)$coef[,3]
summary(Table4_3.6)$coef[,3]

Table5_1.1 <- glm(d.jobs ~ netmigpct + age + ageSqu + female + neverMar + div + widow
+ hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_1.2 <- glm(d.unempy ~ netmigpct + age + ageSqu + female + neverMar + div +
widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_1.3 <- glm(d.income ~ netmigpct + age + ageSqu + female + neverMar + div +
widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_1.4 <- glm(d.retire ~ netmigpct + age + ageSqu + female + neverMar + div +
widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_1.5 <- glm(d.housing ~ netmigpct + age + ageSqu + female + neverMar + div +
widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_1.6 <- glm(d.health ~ netmigpct + age + ageSqu + female + neverMar + div +
widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_1 <- list(Table5_1.1, Table5_1.2, Table5_1.3, Table5_1.4, Table5_1.5,
Table5_1.6)

stargazer2(Table5_1, odd.ratio = T, type = "text")
summary(Table5_1.1)$coef[,3]
summary(Table5_1.2)$coef[,3]
summary(Table5_1.3)$coef[,3]
summary(Table5_1.4)$coef[,3]
summary(Table5_1.5)$coef[,3]
summary(Table5_1.6)$coef[,3]

Table5_2.1 <- glm(d.jobs ~ netmigpct + socx + age + ageSqu + female + neverMar + div +
widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor +
selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_2.2 <- glm(d.unempy ~ netmigpct + socx + age + ageSqu + female + neverMar + div
+ widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor
+ selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_2.3 <- glm(d.income ~ netmigpct + socx + age + ageSqu + female + neverMar + div
+ widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor
+ selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_2.4 <- glm(d.retire ~ netmigpct + socx + age + ageSqu + female + neverMar + div
+ widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor
+ selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_2.5 <- glm(d.housing ~ netmigpct + socx + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))

```

```

Table5_2.6 <- glm(d.health ~ netmigpct + socx + age + ageSqu + female + neverMar + div
+ widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy + nolabor
+ selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) + factor(country),
data = merged, family = "binomial"(link="logit"))
Table5_2 <- list(Table5_2.1, Table5_2.2, Table5_2.3, Table5_2.4, Table5_2.5,
Table5_2.6)

stargazer2(Table5_2, odd.ratio = T, type = "text")
summary(Table5_2.1)$coef[,3]
summary(Table5_2.2)$coef[,3]
summary(Table5_2.3)$coef[,3]
summary(Table5_2.4)$coef[,3]
summary(Table5_2.5)$coef[,3]
summary(Table5_2.6)$coef[,3]

Table5_3.1 <- glm(d.jobs ~ netmigpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_3.2 <- glm(d.unempy ~ netmigpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_3.3 <- glm(d.income ~ netmigpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_3.4 <- glm(d.retire ~ netmigpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_3.5 <- glm(d.housing ~ netmigpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_3.6 <- glm(d.health ~ netmigpct + emprate + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_3 <- list(Table5_3.1, Table5_3.2, Table5_3.3, Table5_3.4, Table5_3.5,
Table5_3.6)

stargazer2(Table5_3, odd.ratio = T, type = "text")
summary(Table5_3.1)$coef[,3]
summary(Table5_3.2)$coef[,3]
summary(Table5_3.3)$coef[,3]
summary(Table5_3.4)$coef[,3]
summary(Table5_3.5)$coef[,3]
summary(Table5_3.6)$coef[,3]

Table5_4.1 <- glm(d.jobs ~ netmigpct + foreignpct + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_4.2 <- glm(d.unempy ~ netmigpct + foreignpct + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_4.3 <- glm(d.income ~ netmigpct + foreignpct + age + ageSqu + female + neverMar +
div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))

```

```

Table5_4.4 <- glm(d.retire ~ netmigpct + foreignpct + age + ageSqu + female + neverMar
+ div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_4.5 <- glm(d.housing ~ netmigpct + foreignpct + age + ageSqu + female +
neverMar + div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp +
unempy + nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_4.6 <- glm(d.health ~ netmigpct + foreignpct + age + ageSqu + female + neverMar
+ div + widow + hhsize + kidsHH + rural + suburb + lessHS + univ + ptemp + unempy +
nolabor + selfEmpy + pubEmpy + incZScore + highRel + lowRel + factor(year) +
factor(country), data = merged, family = "binomial"(link="logit"))
Table5_4 <- list(Table5_4.1, Table5_4.2, Table5_4.3, Table5_4.4, Table5_4.5,
Table5_4.6)

stargazer2(Table5_4, odd.ratio = T, type = "text")
summary(Table5_4.1)$coef[,3]
summary(Table5_4.2)$coef[,3]
summary(Table5_4.3)$coef[,3]
summary(Table5_4.4)$coef[,3]
summary(Table5_4.5)$coef[,3]
summary(Table5_4.6)$coef[,3]

```

Team: 53
Software: R
Version: CURATED

```

library(tidyverse)
library(haven)
library(foreign)
library(MASS)
library(openxlsx)
library(knitr)
library(broom)
library(stargazer)
library(texreg)

ISSP96 <- read.dta("ZA2900.dta")
ISSP06 <- read_dta("ZA4700.dta")

country <- read_dta("bradyfinnigan2014countrydata.dta")

ISSP96 <- ISSP96[ISSP96[["v3"]] == "aus" |
  ISSP96[["v3"]] == "cdn" |
  ISSP96[["v3"]] == "f" |
  ISSP96[["v3"]] == "D-W" |
  ISSP96[["v3"]] == "D-E" |
  ISSP96[["v3"]] == "irl" |
  ISSP96[["v3"]] == "j" |
  ISSP96[["v3"]] == "nz" |
  ISSP96[["v3"]] == "n" |
  ISSP96[["v3"]] == "e" |
  ISSP96[["v3"]] == "s" |
  ISSP96[["v3"]] == "ch" |
  ISSP96[["v3"]] == "gb" |
  ISSP96[["v3"]] == "usa", ]

country <- country[country[["country"]] == "Australia" |
  country[["country"]] == "Canada" |
  country[["country"]] == "France" |
  country[["country"]] == "Germany" |

```



```

country[["country"]] == "Ireland" |
country[["country"]] == "Japan" |
country[["country"]] == "New Zealand" |
country[["country"]] == "Norway" |
country[["country"]] == "Spain" |
country[["country"]] == "Sweden" |
country[["country"]] == "Switzerland" |
country[["country"]] == "United Kingdom" |
country[["country"]] == "United States", ]

ISSP06$V3a <- as_factor(ISSP06$V3a)
ISSP06 <- ISSP06[ISSP06[["V3a"]] == "AU-Australia" |
  ISSP06[["V3a"]] == "CA-Canada" |
  ISSP06[["V3a"]] == "FR-France" |
  ISSP06[["V3a"]] == "DE-Germany" |
  ISSP06[["V3a"]] == "IE-Ireland" |
  ISSP06[["V3a"]] == "JP-Japan" |
  ISSP06[["V3a"]] == "NZ-New Zealand" |
  ISSP06[["V3a"]] == "NO-Norway" |
  ISSP06[["V3a"]] == "ES-Spain" |
  ISSP06[["V3a"]] == "SE-Sweden" |
  ISSP06[["V3a"]] == "CH-Switzerland" |
  ISSP06[["V3a"]] == "GB-Great Britain" |
  ISSP06[["V3a"]] == "US-United States", ]

ISSP96$age <- ISSP96$v201
ISSP96$ageSqu <- (ISSP96$age)^2
ISSP96$female <- ISSP96$v200
levels(ISSP96$female) <- c(0, 1, NA)
ISSP96$lessHS <- as.numeric(ISSP96$v205 == "None;still at school,uni" |
  ISSP96$v205 == "Incpl primary" |
  ISSP96$v205 == "Primary compl" |
  ISSP96$v205 == "Incpl secondary")
ISSP96$univ <- as.numeric(ISSP96$v205 == "University compl")
ISSP96$ptemp <- as.numeric(ISSP96$v206 == "P-t empl,main job" |
  ISSP96$v206 == "Less part-time" |
  ISSP96$v206 == "Help family member")
ISSP96$unempy <- as.numeric(ISSP96$v206 == "Unemployed")
ISSP96$nolabor <- as.numeric(ISSP96$v206 == "Studt,school,educ" |
  ISSP96$v206 == "Retired" |
  ISSP96$v206 == "Housewife <man>" |
  ISSP96$v206 == "Permanent disabled" |
  ISSP96$v206 == "Oth,n i lab force" |
  ISSP96$v206 == "na")
ISSP96$selfEmpy <- as.numeric(ISSP96$v213 == "Self-employed RP:informell")
ISSP96[is.na(ISSP96$v206),"selfEmpy"] = NA

ISSP96$pubEmpy <- as.numeric(ISSP96$v212 == "Government" | ISSP96$v212 == "Public
  owned firm")
ISSP96$pubEmpy[is.na(ISSP96$v206)] <- NA

ISSP96$highRel <- as.numeric(ISSP96$v220 == "Once a week or more" | ISSP96$v220 == "2-
  3 times a month")
ISSP96$lowRel <- as.numeric(ISSP96$v220 == "Once a month" | ISSP96$v220 == "Sev times
  a year" |
  ISSP96$v220 == "Less frequently a year")
ISSP96$noRel <- as.numeric(ISSP96$v220 == "Never")

ISSP96$incZScore <- vector(mode="numeric", length=length(ISSP96$v3))

```

```

ISSP96$incZScore[!is.na(ISSP96$incZScore)] <- NA
for(i in levels(ISSP96[["v3"]])) {
  obs <- which(ISSP96[["v3"]] == i)
  ISSP96$incZScore[obs] <- scale(ISSP96[obs, "v218"])
}

ISSP96$neverMar <- as.numeric(ISSP96$v202 == "not married")
ISSP96$married <- as.numeric(ISSP96$v202 == "marr,liv as mar" |
  ISSP96$v206 == "widowed" |
  ISSP96$v206 == "divorced" |
  ISSP96$v206 == "separated")
ISSP96$div <- as.numeric(ISSP96$v202 == "divorced")
ISSP96$widow <- as.numeric(ISSP96$v202 == "widowed")

ISSP96$hhsz <- ISSP96$v273

ISSP96$kidsHH <- as.numeric(ISSP96$v274 == "1 adult,1 child" |
  ISSP96$v274 == "1 adult,2 child" |
  ISSP96$v274 == "1 adult,3 or > ch" |
  ISSP96$v274 == "2 adults,1 child" |
  ISSP96$v274 == "2 adults,2 child" |
  ISSP96$v274 == "2 adults,3 or > ch" |
  ISSP96$v274 == "3 adults+children" |
  ISSP96$v274 == "4 adults+ children" |
  ISSP96$v274 == "5 adults+children" |
  ISSP96$v274 == "6 adults+children" |
  ISSP96$v274 == "7 adults+children" |
  ISSP96$v274 == "8 adults+children")

ISSP96$rural <- as.numeric(ISSP96$v275 == "Rural")
ISSP96$suburb <- as.numeric(ISSP96$v275 == "Suburb,city,town,county seat")
ISSP96$urban <- as.numeric(ISSP96$v275 == "Urban")

ISSP96 <- ISSP96[-which(is.na(ISSP96$v218)), ]

ISSP06$ageSqu <- (ISSP06$age)^2
ISSP06$female <- as.numeric(ISSP06$sex == 2)
ISSP06$lessHS <- as.numeric(ISSP06$degree == 0 |
  ISSP06$degree == 1 |
  ISSP06$degree == 2)
ISSP06$univ <- as.numeric(ISSP06$degree == 5)
ISSP06$ptemp <- as.numeric(ISSP06$wrkst == 2 |
  ISSP06$wrkst == 3 |
  ISSP06$wrkst == 4)
ISSP06$unempy <- as.numeric(ISSP06$wrkst == 5)
ISSP06$nolabor <- as.numeric(ISSP06$wrkst == 6 |
  ISSP06$wrkst == 7 |
  ISSP06$wrkst == 8 |
  ISSP06$wrkst == 9 |
  ISSP06$wrkst == 10 )
ISSP06$selfEmpy <- as.numeric(ISSP06$wrktype == 4)
replace <- is.na(ISSP06$wrkst)
ISSP06[replace, "selfEmpy"] <- NA

ISSP06$pubEmpy <- as.numeric(ISSP06$wrktype == 1 | ISSP06$wrktype == 2)
replace <- is.na(ISSP06$wrkst)

```

```

ISSP06[replace, "pubEmpy"] <- NA

ISSP06$highRel <- as.numeric(ISSP06$attend == 1 |
                             ISSP06$attend == 2 |
                             ISSP06$attend == 3)
ISSP06$lowRel <- as.numeric(ISSP06$attend == 4 |
                             ISSP06$attend == 5 |
                             ISSP06$attend == 6 |
                             ISSP06$attend == 7)
ISSP06$noRel <- as.numeric(ISSP06$attend == 8)

ISSP06$neverMar <- as.numeric(ISSP06$marital == 5)
ISSP06$married <- as.numeric(ISSP06$marital == 2 |
                              ISSP06$marital == 3 |
                              ISSP06$marital == 4 |
                              ISSP06$marital == 5)
ISSP06$div <- as.numeric(ISSP06$marital == 3 |
                          ISSP06$marital == 4)
ISSP06$widow <- as.numeric(ISSP06$marital == 2)

ISSP06$hhsz <- ISSP06$hompop

ISSP06$kidsHH <- as.numeric(ISSP06$hhcycle == 2 |
                             ISSP06$hhcycle == 3 |
                             ISSP06$hhcycle == 4 |
                             ISSP06$hhcycle == 6 |
                             ISSP06$hhcycle == 7 |
                             ISSP06$hhcycle == 8 |
                             ISSP06$hhcycle == 10 |
                             ISSP06$hhcycle == 12 |
                             ISSP06$hhcycle == 14 |
                             ISSP06$hhcycle == 16 |
                             ISSP06$hhcycle == 18 |
                             ISSP06$hhcycle == 20)

ISSP06$rural <- as.numeric(ISSP06$urbrural == 4 |
                           ISSP06$urbrural == 5)
ISSP06$suburb <- as.numeric(ISSP06$marital == 2 |
                             ISSP06$marital == 3)

ISSP06$incZScore <- vector(mode="numeric", length=length(ISSP06$V3a))
ISSP06$countryIncome <- vector(mode = "character", length = length(ISSP06$V3a))
ISSP06$incZScore[!is.na(ISSP06$incZScore)] <- NA
ISSP06$countryIncome[!is.na(ISSP06$countryIncome)] <- NA
for(i in names(dplyr::select(ISSP06, ends_with("_INC")))) {
  ISSP06[!is.na(ISSP06[, i]), "countryIncome"] <- i
}
for(i in names(dplyr::select(ISSP06, ends_with("_INC")))){
  obs <- which(ISSP06[["countryIncome"]] == i)
  ISSP06$incZScore[obs] <- scale(ISSP06[obs, i])
}
ISSP06 <- subset(ISSP06, select = -countryIncome)

ISSP06 <- ISSP06[-which(is.na(ISSP06$incZScore)), ]

ISSP96$d.jobs <- numeric(length = length(ISSP96$v36))

```

```

ISSP96$d.jobs <- as.numeric(ISSP96$v36 == "Definitely should" | ISSP96$v36 ==
  "Probably should")
ISSP96[is.na(ISSP96$v36), "d.jobs"] <- NA

ISSP96$d.unempy <- numeric(length = length(ISSP96$v41))
ISSP96$d.unempy <- as.numeric(ISSP96$v41 == "Definitely should" | ISSP96$v41 ==
  "Probably should")
ISSP96[is.na(ISSP96$v41), "d.unempy"] <- NA

ISSP96$d.income <- numeric(length = length(ISSP96$v42))
ISSP96$d.income <- as.numeric(ISSP96$v42 == "Definitely should" | ISSP96$v42 ==
  "Probably should")
ISSP96[is.na(ISSP96$v42), "d.income"] <- NA

ISSP96$d.retire <- numeric(length = length(ISSP96$v39))
ISSP96$d.retire <- as.numeric(ISSP96$v39 == "Definitely should" | ISSP96$v39 ==
  "Probably should")
ISSP96[is.na(ISSP96$v39), "d.retire"] <- NA

ISSP96$d.housing <- numeric(length = length(ISSP96$v44))
ISSP96$d.housing <- as.numeric(ISSP96$v44 == "Definitely should" | ISSP96$v44 ==
  "Probably should")
ISSP96[is.na(ISSP96$v44), "d.housing"] <- NA

ISSP96$d.health <- numeric(length = length(ISSP96$v38))
ISSP96$d.health <- as.numeric(ISSP96$v38 == "Definitely should" | ISSP96$v38 ==
  "Probably should")
ISSP96[is.na(ISSP96$v38), "d.health"] <- NA

ISSP06$d.jobs <- numeric(length = length(ISSP06$v25))
ISSP06$d.jobs <- as.numeric(ISSP06$v25 == 1 | ISSP06$v25 == 2)
ISSP06[is.na(ISSP06$v25), "d.jobs"] <- NA

ISSP06$d.unempy <- numeric(length = length(ISSP06$v30))
ISSP06$d.unempy <- as.numeric(ISSP06$v30 == 1 | ISSP06$v30 == 2)
ISSP06[is.na(ISSP06$v30), "d.unempy"] <- NA

ISSP06$d.income <- numeric(length = length(ISSP06$v31))
ISSP06$d.income <- as.numeric(ISSP06$v31 == 1 | ISSP06$v31 == 2)
ISSP06[is.na(ISSP06$v31), "d.income"] <- NA

ISSP06$d.retire <- numeric(length = length(ISSP06$v28))
ISSP06$d.retire <- as.numeric(ISSP06$v28 == 1 | ISSP06$v28 == 2)
ISSP06[is.na(ISSP06$v28), "d.retire"] <- NA

ISSP06$d.housing <- numeric(length = length(ISSP06$v33))
ISSP06$d.housing <- as.numeric(ISSP06$v33 == 1 | ISSP06$v33 == 2)
ISSP06[is.na(ISSP06$v33), "d.housing"] <- NA

ISSP06$d.health <- numeric(length = length(ISSP06$v27))
ISSP06$d.health <- as.numeric(ISSP06$v27 == 1 | ISSP06$v27 == 2)
ISSP06[is.na(ISSP06$v27), "d.health"] <- NA

country2 <- dplyr::select(country, country, year, foreignpct, socx, emprate,
  netmigpct)

ISSP96$year <- 1996
ISSP06$year <- 2006

ISSP96$country <- vector(mode = "character", length = length(ISSP96$v1))
ISSP96[ISSP96$v3 == "aus", "country"] <- "Australia"
ISSP96[ISSP96$v3 == "cdn", "country"] <- "Canada"

```

```

ISSP96[ISSP96$v3 == "f", "country"] <- "France"
ISSP96[ISSP96$v3 == "D-W", "country"] <- "Germany"
ISSP96[ISSP96$v3 == "D-E", "country"] <- "Germany"
ISSP96[ISSP96$v3 == "irl", "country"] <- "Ireland"
ISSP96[ISSP96$v3 == "j", "country"] <- "Japan"
ISSP96[ISSP96$v3 == "nz", "country"] <- "New Zealand"
ISSP96[ISSP96$v3 == "n", "country"] <- "Norway"
ISSP96[ISSP96$v3 == "e", "country"] <- "Spain"
ISSP96[ISSP96$v3 == "s", "country"] <- "Sweden"
ISSP96[ISSP96$v3 == "ch", "country"] <- "Switzerland"
ISSP96[ISSP96$v3 == "gb", "country"] <- "United Kingdom"
ISSP96[ISSP96$v3 == "usa", "country"] <- "United States"

ISSP06$country <- vector(mode = "character", length = length(ISSP06$V1))
ISSP06[ISSP06$V3a == "AU-Australia", "country"] <- "Australia"
ISSP06[ISSP06$V3a == "CA-Canada", "country"] <- "Canada"
ISSP06[ISSP06$V3a == "FR-France", "country"] <- "France"
ISSP06[ISSP06$V3a == "DE-Germany", "country"] <- "Germany"
ISSP06[ISSP06$V3a == "IE-Ireland", "country"] <- "Ireland"
ISSP06[ISSP06$V3a == "JP-Japan", "country"] <- "Japan"
ISSP06[ISSP06$V3a == "NZ-New Zealand", "country"] <- "New Zealand"
ISSP06[ISSP06$V3a == "NO-Norway", "country"] <- "Norway"
ISSP06[ISSP06$V3a == "ES-Spain", "country"] <- "Spain"
ISSP06[ISSP06$V3a == "SE-Sweden", "country"] <- "Sweden"
ISSP06[ISSP06$V3a == "CH-Switzerland", "country"] <- "Switzerland"
ISSP06[ISSP06$V3a == "GB-Great Britain", "country"] <- "United Kingdom"
ISSP06[ISSP06$V3a == "US-United States", "country"] <- "United States"

ISSP96 <- dplyr::select(ISSP96, age, ageSqu, female, neverMar, div, widow, hhsize,
  kidsHH, rural, suburb, lessHS, univ, ptemp, unempy, nolabor, selfEmpy, pubEmpy,
  incZScore, highRel, lowRel, d.jobs, d.unempy, d.income, d.retire, d.housing,
  d.health, year, country)
ISSP06 <- dplyr::select(ISSP06, age, ageSqu, female, neverMar, div, widow, hhsize,
  kidsHH, rural, suburb, lessHS, univ, ptemp, unempy, nolabor, selfEmpy, pubEmpy,
  incZScore, highRel, lowRel, d.jobs, d.unempy, d.income, d.retire, d.housing,
  d.health, year, country)

merged <- rbind(ISSP96, ISSP06)
merged <- merge(merged, country2, by=c("country", "year"))

merged$selfEmpy[is.na(merged$selfEmpy) & !is.na(merged$nolabor)] <- 0

Table4_1.1 <- glm(d.jobs ~ foreignpct + age + ageSqu + female + lessHS + univ + ptemp
  + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country), data =
  merged, family = "binomial"(link="logit"))
Table4_1.2 <- glm(d.unempy ~ foreignpct + age + ageSqu + female + lessHS + univ +
  ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_1.3 <- glm(d.income ~ foreignpct + age + ageSqu + female + lessHS + univ +
  ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_1.4 <- glm(d.retire ~ foreignpct + age + ageSqu + female + lessHS + univ +
  ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_1.5 <- glm(d.housing ~ foreignpct + age + ageSqu + female + lessHS + univ +
  ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_1.6 <- glm(d.health ~ foreignpct + age + ageSqu + female + lessHS + univ +
  ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))

```

```

Table4_2.1 <- glm(d.jobs ~ foreignpct + socx + age + ageSqu + female + lessHS + univ +
  ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_2.2 <- glm(d.unempy ~ foreignpct + socx + age + ageSqu + female + lessHS + univ
  + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_2.3 <- glm(d.income ~ foreignpct + socx + age + ageSqu + female + lessHS +
  univ + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) +
  factor(country), data = merged, family = "binomial"(link="logit"))
Table4_2.4 <- glm(d.retire ~ foreignpct + socx + age + ageSqu + female + lessHS + univ
  + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table4_2.5 <- glm(d.housing ~ foreignpct + socx + age + ageSqu + female + lessHS +
  univ + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(country), data =
  merged, family = "binomial"(link="logit"))
Table4_2.6 <- glm(d.health ~ foreignpct + socx + age + ageSqu + female + lessHS +
  univ + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) +
  factor(country), data = merged, family = "binomial"(link="logit"))

Table4_3.1 <- glm(d.jobs ~ foreignpct + emprate + age + ageSqu + female + lessHS +
  univ + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) +
  factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3.2 <- glm(d.unempy ~ foreignpct + emprate + age + ageSqu + female + lessHS +
  univ + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) +
  factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3.3 <- glm(d.income ~ foreignpct + emprate + age + ageSqu + female + lessHS +
  univ + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) +
  factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3.4 <- glm(d.retire ~ foreignpct + emprate + age + ageSqu + female + lessHS +
  univ + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) +
  factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3.5 <- glm(d.housing ~ foreignpct + emprate + age + ageSqu + female + lessHS +
  univ + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) +
  factor(country), data = merged, family = "binomial"(link="logit"))
Table4_3.6 <- glm(d.health ~ foreignpct + emprate + age + ageSqu + female + lessHS +
  univ + ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) +
  factor(country), data = merged, family = "binomial"(link="logit"))

models <- list(Table4_1.1, Table4_1.2, Table4_1.3, Table4_1.4, Table4_1.5, Table4_1.6,
  Table4_2.1, Table4_2.2, Table4_2.3, Table4_2.4, Table4_2.5, Table4_2.6, Table4_3.1,
  Table4_3.2, Table4_3.3, Table4_3.4, Table4_3.5, Table4_3.6)

htmlreg(models,
  override.coef = lapply(models, function(x) exp(coef(x))),
  override.se = lapply(models, function(x) coef(x)/sqrt(diag(vcov(x)))),
  caption.above = TRUE, omit.coef = "(factor)|(edu)|(female)|(age)",
  single.row = FALSE, stars = c(0.001, 0.01, 0.05),
  digits = 3,
  file = "table4.doc")

Table5_1.1 <- glm(d.jobs ~ netmigpct + age + ageSqu + female + lessHS + univ + ptemp
  + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country), data =
  merged, family = "binomial"(link="logit"))
Table5_1.2 <- glm(d.unempy ~ netmigpct + age + ageSqu + female + lessHS + univ +
  ptemp + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country),
  data = merged, family = "binomial"(link="logit"))
Table5_1.3 <- glm(d.income ~ netmigpct + age + ageSqu + female + lessHS + univ + ptemp
  + unempy + nolabor + selfEmpy + incZScore + factor(country), data = merged, family
  = "binomial"(link="logit"))
Table5_1.4 <- glm(d.retire ~ netmigpct + age + ageSqu + female + lessHS + univ + ptemp
  + unempy + nolabor + selfEmpy + incZScore + factor(year) + factor(country), data =
  merged, family = "binomial"(link="logit"))

```

[illegible]

```
models <- list(Table5_1.1, Table5_1.2, Table5_1.3, Table5_1.4, Table5_1.5, Table5_1.6,  
  Table5_2.1, Table5_2.2, Table5_2.3, Table5_2.4, Table5_2.5, Table5_2.6, Table5_3.1,  
  Table5_3.2, Table5_3.3, Table5_3.4, Table5_3.5, Table5_3.6, Table5_4.1, Table5_4.2,  
  Table5_4.3, Table5_4.4, Table5_4.5, Table5_4.6)  
  
htmlreg(models,  
  override.coef = lapply(models, function(x) exp(coef(x))),  
  override.se = lapply(models, function(x) coef(x)/sqrt(diag(vcov(x)))),  
  caption.above = TRUE, omit.coef = "(factor)|(edu)|(female)|(age)",  
  single.row = FALSE, stars = c(0.001, 0.01, 0.05),  
  digits = 3,  
  file = "table5.doc")
```


Team: 54
Software: Stata
Version: ORIGINAL

```
version 15.1
clear
clear mata
clear matrix
set more off

use ZA2900.dta, clear

keep v2 v3 v39 v41 v42 v36 v200 v201 v205 v206
rename v2 respid

recode v39 (1/2=1) (3/4=0), gen(oldcare)
recode v41 (1/2=1) (3/4=0), gen(unemp)
recode v42 (1/2=1) (3/4=0), gen(income)
recode v36 (1/2=1) (3/4=0), gen(jobs)

drop v39 v41 v42 v36

recode v200 (1=0) (2=1), gen(sex)
drop v200

rename v201 age
gen age2=age^2

recode v205 (1/3=1) (4/6=2) (7=3), gen(edu)
drop v205

recode v206 (1=4) (2/3=1) (4=2) (6/10=2) (5=3), gen(employ)
drop v206

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
(14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) ///
(21=.) (22/23=376) (24=392) (25=724) (26=428) (27=250) (28=.) (30=756),
gen(cntry)
label define cntry 36 "Australia" 124 "Canada" 203 "Czech Republic" 250
"France" 276 "Germany" 348 "Hungary" 372 "Ireland" ///
376 "Israel" 392 "Japan" 428 "Latvia" 554 "New Zealand" 578 "Norway" 616 "Poland"
643 "Russia" 705 "Slovenia" 724 "Spain" ///
756 "Switzerland" 826 "United Kingdom" 840 "United States" 752 "Sweden"
label val cntry cntry
drop v3

gen year=1996

save issp_1996.dta, replace

use ZA4700.dta, clear

keep V2 V3a V28 V30 V31 V25 sex age degree wrkst
rename V2 respid

recode V28 (1/2=1) (3/4=0), gen(oldcare)
recode V30 (1/2=1) (3/4=0), gen(unemp)
recode V31 (1/2=1) (3/4=0), gen(income)
recode V25 (1/2=1) (3/4=0), gen(jobs)

drop V28 V30 V31 V25
```

```

recode sex (1=0) (2=1)

gen age2=age^2

recode degree (0/1=1) (2/4=2) (5=3), gen(edu)
drop degree

recode wrkst (1=4) (2/3=1) (4=2) (6/10=2) (5=3), gen(employ)
drop wrkst

rename V3a cntry

gen year=2006

save issp_2006.dta, replace

append using issp_1996.dta

gen two_waves = .
levelsof cntry, local(cntries)
foreach c of local cntries {
    quietly fre year if cntry== `c'
    if r(r_valid) == 2 {
        replace two_waves = 1 if cntry == `c'
    }
    else {
        replace two_waves = 0 if cntry == `c' | cntry==.
    }
}

sort cntry year
merge m:1 cntry year using "L2data.dta"

drop if _merge==2 | _merge==1
drop if two_waves == 0
drop if socx==.
drop _merge two_waves

#delimit ;
order
respid
cntry
year
sex
age
age2
edu
employ
oldcare
unemp
income
jobs
emprate
foreignpct
socx
netmigpct
;
#delimit cr

lab var cntry "Country ISO-Code"

```

```

lab var sex "Female"
lab var age "Age"
lab var oldcare "Old Age Care"
lab var unemp "Unemployed"
lab var income "Reduce Income Differences"
lab var jobs "Jobs"
lab var age2 "Age-squared"
lab var edu "Education Categories"
lab var employ "Employment Categories"
lab var year "Year"
lab var emprate "Employment Rate"
lab var foreignpct "Immigrant Stock"
lab var socx "Social Welfare Expenditures"
lab var netmigpct "Change in Immigrant Stock"

lab def `:val 1 sex'                                0 "Male" ///
                                                    1 "Female", modify

lab def EDU                                          1 "Primary or less" ///
                                                    2 "Secondary" ///
                                                    3 "University or more", modify

lab val edu EDU

lab def EMPL                                          1 "Part-time" ///
                                                    2 "Not active" ///
                                                    3 "Active unemployed" ///
                                                    4 "Full-time", modify

lab val employ EMPL

lab def POLATT                                      0 "Non-affirmative" ///
                                                    1 "Affirmative", modify

lab val oldcare unemp income jobs POLATT

save repli_data_final.dta, replace

local indlev      "sex age age2 ib2.edu ib4.employ"

local fixeffer    "i.cntry i.year" // dummies for countries and years

eststo m1: quietly logistic oldcare foreignpct      `indlev' `fixeff'
eststo m2: quietly logistic unemp foreignpct        `indlev' `fixeff'
eststo m3: quietly logistic income foreignpct       `indlev' `fixeff'
eststo m4: quietly logistic jobs foreignpct         `indlev' `fixeff'

eststo m5: quietly logistic oldcare foreignpct socx  `indlev' `fixeff'
eststo m6: quietly logistic unemp foreignpct socx    `indlev' `fixeff'
eststo m7: quietly logistic income foreignpct socx   `indlev' `fixeff'
eststo m8: quietly logistic jobs foreignpct socx     `indlev' `fixeff'

eststo m9: quietly logistic oldcare foreignpct emprate `indlev' `fixeff'
eststo m10: quietly logistic unemp foreignpct emprate `indlev' `fixeff'
eststo m11: quietly logistic income foreignpct emprate `indlev' `fixeff'
eststo m12: quietly logistic jobs foreignpct emprate `indlev' `fixeff'

eststo m13: quietly logistic oldcare netmigpct      `indlev' `fixeff'
eststo m14: quietly logistic unemp netmigpct        `indlev' `fixeff'
eststo m15: quietly logistic income netmigpct       `indlev' `fixeff'
eststo m16: quietly logistic jobs netmigpct         `indlev' `fixeff'

```

```
eststo m17: quietly logistic oldcare netmigpct socx      `indlev' `fixeff'
eststo m18: quietly logistic unemp netmigpct socx      `indlev' `fixeff'
eststo m19: quietly logistic income netmigpct socx     `indlev' `fixeff'
eststo m20: quietly logistic jobs netmigpct socx      `indlev' `fixeff'

eststo m21: quietly logistic oldcare netmigpct emprate  `indlev' `fixeff'
eststo m22: quietly logistic unemp netmigpct emprate `indlev' `fixeff'
eststo m23: quietly logistic income netmigpct emprate `indlev' `fixeff'
eststo m24: quietly logistic jobs netmigpct emprate   `indlev' `fixeff'

esttab m* using tables.txt, cells(b(star) z) cons eform fixed replace
esttab m* using tables.csv, cells(b(star) z) cons eform replace
```

Team: 55
Software: Stata
Version: ORIGINAL

```
global path "\\"

use ZA4700.dta, clear

gen year = 2006

append using ZA2900.dta

replace V3a = 36 if v3 == 1
replace V3a = 276 if v3 == 2 | v3 == 3
replace V3a = 826 if v3 == 4
replace V3a = 840 if v3 == 6
replace V3a = 348 if v3 == 8
replace V3a = . if v3 == 9
replace V3a = 372 if v3 == 10
replace V3a = 578 if v3 == 12
replace V3a = 752 if v3 == 13
replace V3a = 203 if v3 == 14
replace V3a = 705 if v3 == 15
replace V3a = 616 if v3 == 16
replace V3a = 616 if v3 == 17
replace V3a = 643 if v3 == 18
replace V3a = 554 if v3 == 19
replace V3a = 124 if v3 == 20
replace V3a = 608 if v3 == 21
replace V3a = 376 if v3 == 22 | v3 == 23
replace V3a = 392 if v3 == 24
replace V3a = 724 if v3 == 25
replace V3a = 428 if v3 == 26
replace V3a = 250 if v3 == 27
replace V3a = . if v3 == 28
replace V3a = 756 if v3 == 30

replace year = 1996 if year == .

rename V3a cntry
sort year cntry

merge m:1 year cntry using L2data.dta

drop if _merge != 3
drop _merge

keep if inlist(cntry, 36, 124, 250, 276, 372, 392, 578, 554, ///
              724, 752, 756, 826, 840)

gen oldCare = .
replace oldCare = 1 if inlist(V28, 1, 2)
replace oldCare = 1 if inlist(v39, 1, 2)
replace oldCare = 0 if inlist(V28, 3, 4)
replace oldCare = 0 if inlist(v39, 3, 4)

gen unemp = .
replace unemp = 1 if inlist(V30, 1, 2)
replace unemp = 1 if inlist(v41, 1, 2)
replace unemp = 0 if inlist(V30, 3, 4)
replace unemp = 0 if inlist(v41, 3, 4)
```

```

gen redIneq = .
replace redIneq = 1 if inlist(V31, 1, 2)
replace redIneq = 1 if inlist(v42, 1, 2)
replace redIneq = 0 if inlist(V31, 3, 4)
replace redIneq = 0 if inlist(v42, 3, 4)

gen jobs = .
replace jobs = 1 if inlist(V25, 1, 2)
replace jobs = 1 if inlist(v36, 1, 2)
replace jobs = 0 if inlist(V25, 3, 4)
replace jobs = 0 if inlist(v36, 3, 4)

gen female = .
replace female = 1 if sex == 2 | v200 == 2
replace female = 0 if sex == 1 | v200 == 1

replace age = v201 if year == 1996
gen age2 = age*age

gen educ = .
replace educ = 1 if degree <= 1 | inlist(v205, 2, 3, 4)
replace educ = 2 if inlist(degree, 2, 3, 4) | inlist(v205, 5, 6)
replace educ = 3 if degree == 5 | v205 == 7

        label define educ 1 "Primary or less" ///
            2 "Secondary" 3 "University or more"
        label val educ educ

gen emp = .
replace emp = 1 if wrkst == 2 | wrkst == 3 | v206 == 2 | v206 == 3
replace emp = 2 if inlist(wrkst, 4, 6, 7, 8, 9, 10) | inlist(v206, 4, 6, 7, 8, 9, 10)
replace emp = 3 if wrkst == 5 | v206 == 5
replace emp = 4 if wrkst == 1 | v206 == 1

        label define emp 1 "Part-time" 2 "Not active" ///
            3 "Active unemployed" 4 "Full-time"
        label val emp emp

label var oldCare "Old age care"
label var unemp "Unemployment"
label var redIneq "Reduce income differences"
label var jobs "Jobs for everyone"
label var female "Female [ref: male]"
label var age "Age in years"
label var age2 "Age in years (squared)"
label var educ "Education [ref: secondary]"
label var emp "Employment [ref: full-time]"
label var foreignpct "Immigrant Stock (%)"
label var socx "Social Welfare Expenditures (% of GDP)"
label var emprate "Employment Rate (% in LF)"
label var netmigpct "Change in Immigrant Stock (1-year in %)"
label var year "ISSP 2006 [ref: 1996]"

xtset cntry

local dep "oldCare unemp redIneq jobs"
local iv "female age age2 b2.educ b4.emp"
local i 1
foreach j of local dep{

```

```

    logit `j' foreignpct `iv' i.cntry i.year, or
    est sto M`i'
    local i = `i' + 1
}

foreach j of local dep{
    logit `j' foreignpct socx `iv' i.cntry i.year, or
    est sto M`i'
    local i = `i' + 1
}

foreach j of local dep{
    logit `j' foreignpct emprate `iv' i.cntry i.year, or
    est sto M`i'
    local i = `i' + 1
}

foreach j of local dep{
    logit `j' netmigpct `iv' i.cntry i.year, or
    est sto M`i'
    local i = `i' + 1
}

foreach j of local dep{
    logit `j' netmigpct socx `iv' i.cntry i.year, or
    est sto M`i'
    local i = `i' + 1
}

foreach j of local dep{
    logit `j' netmigpct emprate `iv' i.cntry i.year, or
    est sto M`i'
    local i = `i' + 1
}

esttab M* using replication_two_fixed.csv, eform label ///
    order(foreignpct socx emprate netmigpct) nobaselevel z constant replace

local dep "oldCare unemp redIneq jobs"
local iv "female age age2 b2.educ b4.emp"
local i 1

foreach j of local dep{
    xtlogit `j' foreignpct `iv' i.year, or
    est sto M`i'
    local i = `i' + 1
}

foreach j of local dep{
    xtlogit `j' foreignpct socx `iv' i.year, or
    est sto M`i'
    local i = `i' + 1
}

foreach j of local dep{
    xtlogit `j' foreignpct emprate `iv' i.year, or
    est sto M`i'
    local i = `i' + 1
}

```

```

foreach j of local dep{
  xtlogit `j' netmigpct `iv' i.year, or
  est sto M`i'
  local i = `i' + 1
}

foreach j of local dep{
  xtlogit `j' netmigpct socx `iv' i.year, or
  est sto M`i'
  local i = `i' + 1
}

foreach j of local dep{
  xtlogit `j' netmigpct emprate `iv' i.year, or
  est sto M`i'
  local i = `i' + 1
}

esttab M* using replication_multilevel.csv, eform label ///
      order(foreignpct socx emprate netmigpct) nobaselevel z constant replace

```


Team: 56
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta"

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
  (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
  (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
  "Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
  "Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
  "Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
  "Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
  "Great Britain" 840 "United States"
label values v3a cntrylbl

recode v36 (1 2=1) (3 4=0), gen(dvjob)
recode v41 (1 2=1) (3 4=0), gen(dvunemployment)
recode v42 (1 2=1) (3 4=0), gen(dvincome)
recode v39 (1 2=1) (3 4=0), gen(dvretirement)
recode v44 (1 2=1) (3 4=0), gen(dvhousing)
recode v38 (1 2=1) (3 4=0), gen(dvhealthcare)

recode v25 (1 2=1) (3 4 5=0), gen(spendenv)
recode v26 (1 2=1) (3 4 5=0), gen(spendhealth)
recode v27 (1 2=1) (3 4 5=0), gen(spendlaw)
recode v28 (1 2=1) (3 4 5=0), gen(spendedu)
recode v29 (1 2=1) (3 4 5=0), gen(spenddef)
recode v30 (1 2=1) (3 4 5=0), gen(spendret)
recode v31 (1 2=1) (3 4 5=0), gen(spendunemp)
recode v32 (1 2=1) (3 4 5=0), gen(spendart)

recode v36 (1 2=1) (3 4=0), gen(govjobs)
recode v37 (1 2=1) (3 4=0), gen(govprices)
recode v38 (1 2=1) (3 4=0), gen(govcare)
recode v39 (1 2=1) (3 4=0), gen(govretire)
recode v40 (1 2=1) (3 4=0), gen(govindgrow)
recode v41 (1 2=1) (3 4=0), gen(govunemp)
recode v42 (1 2=1) (3 4=0), gen(govgovincdiff)
recode v43 (1 2=1) (3 4=0), gen(govstudents)
recode v44 (1 2=1) (3 4=0), gen(govhousing)
recode v45 (1 2=1) (3 4=0), gen(lawsenv)

recode v19 ( 1 2=1) (3/5=0), gen(cutspend)
recode v20 ( 1 2=1) (3/5=0), gen(projjobs)
recode v21 ( 1 2=1) (3/5=0), gen(regbus)
recode v22 ( 1 2=1) (3/5=0), gen(indnewprod)
recode v23 ( 1 2=1) (3/5=0), gen(decindjobs)
recode v24 ( 1 2=1) (3/5=0), gen(workwk)

recode v4 (2=0) (8 9=.), gen(doberylaws)

recode v5 (1 2=1) ( 3 4=0) (8/9=.), gen(orgprotest)

recode v6 (1 2=1) ( 3 4=0) (8/9=.), gen(orgmarch)

recode v7 (1 2=1) ( 3 4=0) (8/9=.), gen(orgstrike)

rename v201 age
gen agesq=age*age
```

```

recode v200 (1=0) (2=1), gen(female)

rename v202 marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode v203 (2=0), gen(partner)

rename v273 hhszize

recode v274 (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 27 {
    replace kidshh=1 if v274==`i'
    local i = `i' + 2
}

recode v275 (3=1) (nonmiss=0), gen(rural)
recode v275 (2=1) (nonmiss=0), gen(suburb)

rename v324 ETHNIC

    recode v204(94/97=.), gen(edyears)

rename v205 edcat

recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
    Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename v208 isco
rename v209 occ2
rename v215 hourswrk

recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptime)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)
recode v213 (2=0), gen(selfemp)

recode v212 (1 2=1) (3 6=0), gen(pubemp)

gen pvtemp=0
replace pvtemp=1 if selfemp==0 & pubemp==0

rename v218 faminc

gen inczscore=.
levelsof v3a, local(cntries)
foreach cntryval of local cntries {
    zscore faminc if v3a==`cntryval', listwise
    replace inczscore=z_faminc if v3a==`cntryval'
    drop z_faminc
}

```

```

recode v222 (2=0), gen(union)

rename v223 party

recode v220 (1/2=1) (nonmiss=0), gen(highrel)
recode v220 (3/5=1) (nonmiss=0), gen(lowrel)
recode v220 (6=1) (nonmiss=0), gen(norel)
rename v220 religion

gen year=1996
gen yr2006=0

rename v3a cntry

rename v325 wghts

save "ISSP1996.dta"

recode V17 (1 2=1) (3 4 5=0), gen(spendenv)
recode V18 (1 2=1) (3 4 5=0), gen(spendhealth)
recode V19 (1 2=1) (3 4 5=0), gen(spendlaw)
recode V20 (1 2=1) (3 4 5=0), gen(spendedu)
recode V21 (1 2=1) (3 4 5=0), gen(spenddef)
recode V22 (1 2=1) (3 4 5=0), gen(spendret)
recode V23 (1 2=1) (3 4 5=0), gen(spendunemp)
recode V24 (1 2=1) (3 4 5=0), gen(spendart)

recode V35 (1/2=1) (3/5=0), gen(suchcare)

recode V36 (1/2=1) (3/5=0), gen(sucet)
recode V37 (1/2=1) (3/5=0), gen(sucdef)

recode V38 (1/2=1) (3/5=0), gen(suclaw)

recode V39 (1/2=1) (3/5=0), gen(sucunemp)
recode V40 (1/2=1) (3/5=0), gen(sucenv)

recode V25 (1 2=1) (3 4=0), gen(govjobs)
recode V26 (1 2=1) (3 4=0), gen(govprices)
recode V27 (1 2=1) (3 4=0), gen(govcare)
recode V28 (1 2=1) (3 4=0), gen(govretire)
recode V29 (1 2=1) (3 4=0), gen(govindgrow)
recode V30 (1 2=1) (3 4=0), gen(govunemp)
recode V31 (1 2=1) (3 4=0), gen(govgovincdiff)
recode V32 (1 2=1) (3 4=0), gen(govstudents)
recode V33 (1 2=1) (3 4=0), gen(govhousing)
recode V34 (1 2=1) (3 4=0), gen(lawsenv)

recode V11 ( 1 2=1) (3/5=0), gen(cutspend)
recode V12 ( 1 2=1) (3/5=0), gen(projjobs)
recode V13 ( 1 2=1) (3/5=0), gen(regbus)
recode V14 ( 1 2=1) (3/5=0), gen(indnewprod)
recode V15 ( 1 2=1) (3/5=0), gen(decindjobs)
recode V16 ( 1 2=1) (3/5=0), gen(workwk)

recode V41 (1/2=1) (3 4=0), gen(govdetain)

recode V42 (1/2=1) (3 4=0), gen(govtapphone)
recode V43 (1/2=1) (3 4=0), gen(govsearch)

recode V54 (3/5=1) (1 2=0), gen(distrust)

```

```

recode V55 (3/5=1) (1 2=0), gen(takeadv)

gen agesq=age*age

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

rename marital marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode cohab (2=0), gen(partner)

rename hompop hhsize

recode hhcycle (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 29 {
    replace kidshh=1 if hhcycle==`i'
    local i = `i' + 2
}

recode urbrural (1/3=0) (4/5=1), gen(rural)
recode urbrural (2/3=1) (nonmiss=0), gen(suburb)

recode educyrs (95 96=.), gen(edyears)

rename degree edcat
recode edcat (0=1), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
    Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename wrkst empstat
rename ISCO88 isco
rename wrkhrs hourswrk

recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptemp)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=wrktype==4
replace selfemp=. if empstat==.
gen pubemp=(wrktype==1 | wrktype==2)
replace pubemp=. if empstat==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if empstat==.

gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
    FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
    PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
    zscore `incvar', listwise
    replace inczscore=z_`incvar' if z_`incvar'!=.
}

```

```

    drop z_`incvar'
}

recode union (2/3=0)

rename PARTY_LR party

recode attend(1/3=1) (nonmiss=0), gen(highrel)
recode attend (4/7=1) (nonmiss=0), gen(lowrel)
recode attend (8=1) (nonmiss=0), gen(norel)
rename attend religion

rename V3a cntry

rename weight wghts

gen year=2006
gen yr2006=1

gen mail=mode==34

save "ISSP2006.dta"

append using "ISSP1996.dta"
sort cntry year

merge m:1 cntry year using "bradyfinnigan2014countrydata.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
    (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
    (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)

keep if orig13==1

global depvars "govjobs govunemp govgovincdiff govretire govhouv govcare"
global controls "age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
    yr2006"
global cntryvars "foreignpct netmigpct socx emprate"

quietly tab cntry, gen(cntryfe)

foreach depvar in $depvars {
    logit `depvar' foreignpct $controls cntryfe*
    outreg2 using "table41", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct socx $controls cntryfe*
    outreg2 using "table42", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct emprate $controls cntryfe*
    outreg2 using "table43", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

```

foreach depvar in $depvars {
    logit `depvar' netmigpct $controls centryfe*
    outreg2 using "table51", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct socx $controls centryfe*
    outreg2 using "table52", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct emprate $controls centryfe*
    outreg2 using "table53", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct foreignpct $controls centryfe*
    outreg2 using "table54", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

Team: 57
Software: Stata
Version: ORIGINAL

```
use ZA2900.dta, clear

recode v39 (1 2 = 1 "agree") (3 4= 0 "disagree"), gen(age_care)
label var age_care "Old age care"

recode v41 (1 2 = 1 "agree") (3 4= 0 "disagree"), gen(unemp)
label var unemp "Unemployed"

recode v42 (1 2 = 1 "agree") (3 4= 0 "disagree"), gen(inc_diff)
label var inc_diff "Reduce Income Differences"

recode v36 (1 2 = 1 "agree") (3 4= 0 "disagree"), gen(jobs)
label var jobs "Jobs"

recode v200 (1 = 0 "male") (2 = 1 "female"), gen(female)
label var female "Female"
tab v200 female, m

gen age = v201
label var age "Age"

gen age_2 = age*age
label var age_2 "Age-squared"

recode v205 (1 2 3 = 1 "primary or less") (4 5 = 0 "secondary") ///
           (6 7 = 2 "university"), gen(edu)
recode v206 (1 = 0 "full time") (2 3 = 1 "part time") (5 = 2 "active unemployed") ///
           (4 6 7 8 9 10 = 3 "not active") , gen(emp_cat)

recode v3   (1 = 36 "AU-Australia") ///
           (20 = 124 "CA-Canada") ///
           (14 = 203 "CZ-Czech Republic") ///
           (27 = 250 "FR-France") ///
           (2 3 = 276 "DE-Germany") ///
           (8 = 348 "HU-Hungary") ///
           (10 = 372 "IE-Ireland") ///
           (22 23 = 376 "IL-Israel") ///
           (24 = 392 "JP-Japan") ///
           (26 = 428 "LV-Latvia") ///
           (19 = 554 "NZ-New Zealand") ///
           (12 = 578 "NO-Norway") ///
           (21 = 608 "PH-Philippines") ///
           (16 = 616 "PL-Poland") ///
           (18 = 643 "RU-Russia") ///
           (15 = 705 "SI-Slovenia") ///
           (25 = 724 "ES-Spain") ///
           (13 = 752 "SE-Sweden") ///
           (30 = 756 "CH-Switzerland") ///
           (4 = 826 "GB-Great Britain") ///
           (6 = 840 "US-United States") ///
           (9 17 28 = .), gen(cntry)

gen year=1996

keep v2 age_care unemp inc_diff jobs female age age_2 edu emp_cat cntry year

save w1.dta, replace
```

```

use ZA4700.dta, clear

recode V28 (1 2 = 1 "agree") (3 4= 0 "disagree"), gen(age_care)
label var age_care "Old age care"

recode V30 (1 2 = 1 "agree") (3 4= 0 "disagree"), gen(unemp)
label var unemp "Unemployed"

recode V31 (1 2 = 1 "agree") (3 4= 0 "disagree"), gen(inc_diff)
label var inc_diff "Reduce Income Differences"

recode V25 (1 2 = 1 "agree") (3 4= 0 "disagree"), gen(jobs)
label var jobs "Jobs"

recode sex (1 = 0 "male") (2 = 1 "female"), gen(female)
label var female "Female"

label var age "Age"

gen age_2 = age*age
label var age_2 "Age-squared"

recode degree (0 1 = 1 "Primary or less") (2 3 = 0 "Secondary") ///
              (4 5 = 2 "University or more"), gen(edu)
label variable edu "Education"

recode wrkst (1 = 0 "Full time") (2 3 = 1 "Part time") (5 = 2 "Active unemployed") ///
              (4 6 7 8 9 10 = 3 "Not active") , gen(emp_cat)
label variable emp_cat "Employment"

rename V3a cntry

gen year=2006

keep V2 age_care unemp inc_diff jobs female age age_2 edu emp_cat cntry year

append using w1.dta

order v2 V2 year age_care unemp inc_diff jobs female age age_2 edu emp_cat cntry

bysort cntry: egen year_mean = mean(year)
keep if year_mean>1996 & year_mean<2006

merge m:1 cntry year using "L2data.dta", keep(3)

label var foreignpct "Immigrant Stock"
label var netmigpct "Change in Immigrant Stock"
label var socx "Social Welfare Expenditures"
label var emprate "Employment Rate"

reg emprate-netmigpct
keep if e(sample)

loc av age_care unemp inc_diff jobs

loc i=1
foreach x of loc av {
    logit `x' foreignpct female c.age##c.age i.edu i.emp_cat i.cntry i.year
    est sto m1`i'
    logit `x' foreignpct socx female c.age##c.age i.edu i.emp_cat i.cntry i.year
    est sto m2`i'
    logit `x' foreignpct emprate female c.age##c.age i.edu i.emp_cat i.cntry i.year

```



```

est sto m3`i'
logit `x' netmigpct female c.age##c.age i.edu i.emp_cat i.cntry i.year
est sto m4`i'
logit `x' netmigpct socx female c.age##c.age i.edu i.emp_cat i.cntry i.year
est sto m5`i'
logit `x' netmigpct emprate female c.age##c.age i.edu i.emp_cat i.cntry i.year
est sto m6`i'

loc ++i
}

foreach x of numlist 1/6 {
  esttab m`x'1 m`x'2 m`x'3 m`x'4, eform label z cons
}

esttab m11 m12 m13 m14 m21 m22 m23 m24 m31 m32 m33 m34 m41 m42 m43 m44 m51 m52 m53 m54
m61 m62 m63 m64 using "$path\results", eform z label nobase scsv replace cons
order(foreignpct socx emprate netmigpct) nogap

```

Team: 58
Software: Stata
Version: ORIGINAL

```
use "ZA4700.dta", clear

gen year=2006

gen g_jobs = .
replace g_jobs = 1 if inlist(V25, 1, 2)
replace g_jobs = 0 if inlist(V25, 3, 4)

gen g_old = .
replace g_old = 1 if inlist(V28, 1, 2)
replace g_old = 0 if inlist(V28, 3, 4)

gen g_une = .
replace g_une = 1 if inlist(V30, 1, 2)
replace g_une = 0 if inlist(V30, 3, 4)

gen g_inc = .
replace g_inc = 1 if inlist(V31, 1, 2)
replace g_inc = 0 if inlist(V31, 3, 4)

gen edu_prim = degree
replace edu_prim = 1 if degree < 2
replace edu_prim = 0 if inlist(degree, 2, 3, 4, 5)

gen edu_sec = degree
replace edu_sec = 0 if inlist(degree, 0, 1, 4, 5)
replace edu_sec = 1 if inlist(degree, 2, 3)

gen edu_uni = degree
replace edu_uni = 0 if degree < 4
replace edu_uni = 1 if inlist(degree, 4, 5)

gen age2=age^2

recode sex (1=0) (2=1) (.=.), gen(female)

gen empl_pt = wrkst
replace empl_pt = 1 if inlist(wrkst, 2, 3)
replace empl_pt = 0 if inlist(wrkst, 1, 4, 5, 6, 7, 8, 9, 10)

gen empl_na = wrkst
replace empl_na = 1 if inlist(wrkst, 4, 6, 7, 8, 9, 10)
replace empl_na = 0 if inlist(wrkst, 1, 2, 3, 5)

gen empl_une = wrkst
replace empl_une = 1 if inlist(wrkst, 5)
replace empl_une = 0 if inlist(wrkst, 1, 2, 3, 4, 6, 7, 8, 9, 10)

rename V2 id
rename V3a cntry

keep year g_jobs g_old g_une g_inc age age2 female edu_prim edu_sec edu_uni empl_pt
    empl_na empl_une cntry id weight

save "2006_coded.dta", replace
```

```

use "ZA2900.dta", clear

gen year=1996

gen g_jobs = .
replace g_jobs = 1 if inlist(v36, 1, 2)
replace g_jobs = 0 if inlist(v36, 3, 4)

gen g_old = .
replace g_old = 1 if inlist(v39, 1, 2)
replace g_old = 0 if inlist(v39, 3, 4)

gen g_une = .
replace g_une = 1 if inlist(v41, 1, 2)
replace g_une = 0 if inlist(v41, 3, 4)

gen g_inc = .
replace g_inc = 1 if inlist(v42, 1, 2)
replace g_inc = 0 if inlist(v42, 3, 4)

rename v201 age

gen age2=age^2

recode v200 (1=0) (2=1) (.=.), gen(female)

gen edu_prim=v205
replace edu_prim=1 if v205<4
replace edu_prim=0 if inlist(v205, 4, 5,6,7)

gen edu_sec=v205
replace edu_sec=0 if v205<4
replace edu_sec=1 if inlist(v205,4,5)
replace edu_sec=0 if inlist(v205,6,7)

gen edu_uni=v205
replace edu_uni=0 if v205<6
replace edu_uni=1 if inlist(v205, 6,7)

gen empl_pt = v206
replace empl_pt = 1 if inlist(v206, 2, 3)
replace empl_pt = 0 if inlist(v206, 1, 4, 5, 6, 7, 8, 9, 10)

gen empl_na = v206
replace empl_na = 1 if inlist(v206, 4, 6, 7, 8, 9, 10)
replace empl_na = 0 if inlist(v206, 1, 2, 3, 5)

gen empl_une = v206
replace empl_une = 1 if inlist(v206, 5)
replace empl_une = 0 if inlist(v206, 1, 2, 3, 4, 6, 7, 8, 9, 10)

recode v3
(1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752) (14=203) (15=705) (16=
616) (17=.) (18=643) (19=554) (20=124) (21=.) (22/23=376) (24=392) (25=724) (26=428) (27=250) (2
8=.) (30=756), gen(cntry)
rename v2 id
rename v325 weight
keep year g_jobs g_old g_une g_inc age age2 female edu_prim edu_sec edu_uni empl_pt
empl_na empl_une cntry id weight

save "1996_coded.dta", replace

append using "2006_coded.dta"

```

```

save "9606_micro.dta", replace

use "9606_micro.dta", clear

merge m:1 cntry year using "L2data13.dta"

save "combined.dta", replace

use "combined.dta", clear

keep if _merge == 3

keep if inlist(cntry, 36, 124, 250, 276, 372, 392, 554, 578, 724, 752, 756, 826, 840)

label define cntry_lb 36 "AU-Australia" 124 "CA-Canada" 250 "FR-France" 276 "Germany "
372 "IE-Ireland" 376 "Isreal" 392 "JP-Japan" 554 "NZ-New Zealand" 578 "NO-Norway" 724
"ES-Spain" 752 "SE-Sweden" 756 "CH-Switzerland" 826 "UK" 840 "US-United States"
label values cntry cntry_lb

global i_controls "age age2 female edu_prim edu_uni empl_pt empl_na empl_une"

egen allcontrols=rowmiss($i_controls year cntry )
recode allcontrols (0=1)(nonmiss=0)
keep if allcontrols

quietly tab cntry, gen(cntryfe)

logit g_jobs $i_controls foreignpct i.year cntryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_old $i_controls foreignpct i.year cntryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_une $i_controls foreignpct i.year cntryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_inc $i_controls foreignpct i.year cntryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_old $i_controls foreignpct socx i.year cntryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_une $i_controls foreignpct socx i.year cntryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_inc $i_controls foreignpct socx i.year cntryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_jobs $i_controls foreignpct socx i.year cntryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_old $i_controls foreignpct emprate i.year cntryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

```

```

logit g_une $i_controls foreignpct emprate i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_inc $i_controls foreignpct emprate i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_jobs $i_controls foreignpct emprate i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_old $i_controls netmigpct i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_une $i_controls netmigpct i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_inc $i_controls netmigpct i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_jobs $i_controls netmigpct i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_old $i_controls netmigpct socx i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_une $i_controls netmigpct socx i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_inc $i_controls netmigpct socx i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_jobs $i_controls netmigpct socx i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_jobs $i_controls netmigpct emprate i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_old $i_controls netmigpct emprate i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_une $i_controls netmigpct emprate i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

logit g_inc $i_controls netmigpct emprate i.year centryfe*, or cluster(cntry)
outreg2 using issp.xlsx, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform bdec(3)
sdec(2) stats(coef tstat) onecol append

```

Team: 59
Software: SPSS
Version: ORIGINAL

```
GET DATA ZA2900.sav.

compute OldAgeCare=-999.
if (v39=1 or v39=2) OldAgeCare=1.
if (v39=3 or v39=4) OldAgeCare=0.

missing values OldAgeCare (-999).
variable labels OldAgeCare 'OldAgeCare - ...provide a decent standard of living for
the old'.
value labels OldAgeCare 0 'disagree' 1 'agree'.

compute Unemployed=-999.
if (v41=1 or v41=2) Unemployed=1.
if (v41=3 or v41=4) Unemployed=0.

missing values Unemployed (-999).
variable labels Unemployed 'Unemployed - "... reduce income differences between the
rich and the poor'.
value labels Unemployed 0 'disagree' 1 'agree'.

compute ReduceIncomeDifferences=-999.
if (v42=1 or v42=2) ReduceIncomeDifferences=1.
if (v42=3 or v42=4) ReduceIncomeDifferences=0.

missing values ReduceIncomeDifferences (-999).
variable labels ReduceIncomeDifferences 'ReduceIncomeDifferences - "... reduce income
differences between the rich and the poor'.
value labels ReduceIncomeDifferences 0 'disagree' 1 'agree'.

compute Jobs=-999.
if (v36=1 or v36=2) Jobs=1.
if (v36=3 or v36=4) Jobs=0.

missing values Jobs (-999).
variable labels Jobs 'Jobs - "... reduce income differences between the rich and the
poor'.
value labels Jobs 0 'disagree' 1 'agree'.

compute Female_96=-999.
if (v200=1) Female_96=0.
if (v200=2) Female_96=1.
missing values Female_96 (-999).
variable labels Female_96 'Female/Sex'.

compute age_96=v201.
missing values age_96 (-999).
variable labels age_96 'Age'.

compute age_sq_96=age_96*age_96.
missing values age_sq_96 (-999).
variable labels age_sq_96 'Age squared'.

compute education_96=-999.
if (v205 LE 4) education_96=0.
if (v205 GE 5 and v205 LT 99) education_96=1.
if (v205 = 99) education_96=-999.
missing values education_96 (-999).
```

```
variable labels education_96 'Education categories - high education >= secondary completed'.
```

```
compute employment_96=-999.  
if (v206=1) employment_96=1.  
if (v206 GE 2 and v206 LT 99) employment_96=0.  
if (v206 = 99) employment_96=-999.  
missing values employment_96 (-999).  
variable labels employment_96 'Employment categories - full time employed'.
```

```
SAVE OUTFILE='ZA2900_di_short.sav'  
  /Keep OldAgeCare Unemployed ReduceIncomeDifferences Jobs  
Female_96 age_96 age_sq_96 education_96 employment_96 v3  
  /COMPRESSED.
```

```
compute cntry=-999.  
if (v3=1) cntry=36.  
if (v3=2) cntry=276.  
if (v3=3) cntry=276.  
if (v3=4) cntry=826.  
if (v3=6) cntry=840.  
if (v3=8) cntry=348.  
if (v3=22) cntry=376.  
if (v3=23) cntry=376.  
if (v3=10) cntry=372.  
if (v3=11) cntry=528.  
if (v3=12) cntry=578.  
if (v3=13) cntry=752.  
if (v3=14) cntry=203.  
if (v3=15) cntry=705.  
if (v3=16) cntry=616.  
if (v3=18) cntry=643.  
if (v3=19) cntry=554.  
if (v3=20) cntry=124.  
if (v3=24) cntry=392.  
if (v3=25) cntry=724.  
if (v3=26) cntry=428.  
if (v3=27) cntry=250.  
if (v3=30) cntry=756.
```

```
missing values cntry (-999).  
variable labels cntry 'country according to country file'.
```

```
DATASET ACTIVATE DataSet16.  
USE ALL.  
COMPUTE filter_$=(year=1996).  
VARIABLE LABELS filter_$ 'year=1996 (FILTER)'.  
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.  
FORMATS filter_$ (f1.0).  
FILTER BY filter_$.  
EXECUTE.
```

```
sort cases by cntry.
```

```
DATASET ACTIVATE DataSet4.  
MATCH FILES /FILE=*  
  /TABLE='DataSet5'  
  /BY cntry.  
EXECUTE.
```

```

recode age_96 (sysmis=-999).
missing values age_96 (-999).

recode age_sq_96 (sysmis=-999).
missing values age_sq_96 (-999).

recode emprate foreignpct socx netmigpct (sysmis=-999).
missing values emprate foreignpct socx netmigpct (-999).

SET DECIMAL=DOT.
SAVE TRANSLATE OUTFILE='96_di.dat'
  /TYPE=TAB /MAP /REPLACE
  /KEEP OldAgeCare Unemployed ReduceIncomeDifferences Jobs
Female_96 age_96 age_sq_96 education_96 employment_96
cntry emprate foreignpct socx netmigpct.

GET DATA ZA4700.sav

compute OldAgeCare=-999.
if (v28=1 or v28=2) OldAgeCare=1.
if (v28=3 or v28=4) OldAgeCare=0.

missing values OldAgeCare (-999).
variable labels OldAgeCare 'OldAgeCare - ...provide a decent standard of living for
the old'.

compute Unemployed=-999.
if (v30=1 or v30=2) Unemployed=1.
if (v30=3 or v30=4) Unemployed=0.

missing values Unemployed (-999).
variable labels Unemployed 'Unemployed - "... reduce income differences between the
rich and the poor'.

compute ReduceIncomeDifferences=-999.

if (v31=1 or v31=2) ReduceIncomeDifferences=1.
if (v31=3 or v31=4) ReduceIncomeDifferences=0.

missing values ReduceIncomeDifferences (-999).
variable labels ReduceIncomeDifferences 'ReduceIncomeDifferences - "... reduce income
differences between the rich and the poor'.

compute Jobs=-999.

if (v25=1 or v25=2) Jobs=1.
if (v25=3 or v25=4) Jobs=0.

missing values Jobs (-999).
variable labels Jobs 'Jobs - "... reduce income differences between the rich and the
poor'.

compute Female_06=-999.
if (sex=1) Female_06=0.
if (sex=2) Female_06=1.
missing values Female_06 (-999).
variable labels Female_06 'Female/Sex'.

compute age_06=age.
missing values age_06 (-999).
variable labels age_06 'Age'.

```



```

compute age_sq_06=age_06*age_06.
missing values age_sq_06 (-999).
variable labels age_sq_06 'Age squared'.

compute education_06=-999.
if (degree LE 2) education_06=0.
if (degree GE 3 and degree LT 8) education_06=1.
if (degree GE 8) education_06=-999.
missing values education_06 (-999).
variable labels education_06 'Education categories - high education >= higher
  secondary completed'.

compute employment_06=-999.
if (wrkst=1) employment_06=1.
if (wrkst GE 2 and wrkst LT 96) employment_06=0.
if (wrkst GE 97) employment_06=-999.
missing values employment_06 (-999).
variable labels employment_06 'Employment categories - full time employed'.

SAVE OUTFILE='ZA4700_di_short.sav'
  /Keep OldAgeCare Unemployed ReduceIncomeDifferences Jobs
Female_06 age_06 age_sq_06 education_06 employment_06 v3
  /COMPRESSED.

compute cntry=v3.
APPLY DICTIONARY from *
  /SOURCE VARIABLES = v3
  /TARGET VARIABLES = cntry.
variable label cntry 'Country according to country file'.

sort cases by cntry.

DATASET ACTIVATE DataSet6.
MATCH FILES /FILE=*
  /TABLE='DataSet7'
  /BY cntry.
EXECUTE.

fre OldAgeCare Unemployed ReduceIncomeDifferences Jobs
Female_06 age_06 age_sq_06 education_06 employment_06
cntry year emprate foreignpct socx netmigpct.

recode age_06 (sysmis=-999).
missing values age_06 (-999).

recode age_sq_06 (sysmis=-999).
missing values age_sq_06 (-999).

recode emprate foreignpct socx netmigpct (sysmis=-999).
missing values emprate foreignpct socx netmigpct (-999).

SET DECIMAL=DOT.
SAVE TRANSLATE OUTFILE='06_di.dat'
  /TYPE=TAB /MAP /REPLACE
  /KEEP OldAgeCare Unemployed ReduceIncomeDifferences Jobs
Female_06 age_06 age_sq_06 education_06 employment_06
cntry emprate foreignpct socx netmigpct.

```

Team: 59

Software: MPlus

Version: ORIGINAL

!Note that this is just one example model

TITLE: 96

DATA: FILE IS 96_di.dat;

VARIABLE:

NAMES ARE OAgeC Uempl RedInDi Jobs
Female age age_sq educ emplcat
cntry emprate foreignp socx netmigr;

MISSING ARE ALL (-999);

USEVARIABLE IS
OAgeC
Female age age_sq educ emplcat
foreignp;

CLUSTER IS cntry;
CATEGORICAL = OAgeC;

within = Female age age_sq educ emplcat;
between = foreignp;

ANALYSIS: TYPE = TWOLEVEL;

model:

%within%

OAgeC on Female age age_sq educ emplcat;

%between%

OAgeC ON foreignp;

output: sampstat stdyx;

Team: 60
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

numlabel, add

capture drop job
gen job = .
replace job = 1 if (v36==1)|(v36==2)
replace job = 0 if (v36==3)|(v36==4)
label define yesno 1 "Yes" 0 "No"
label values job yesno
label variable job "Gvmt should provide jobs"

capture drop employ
gen employ = .
replace employ = 1 if (v41==1)|(v41==2)
replace employ = 0 if (v41==3)|(v41==4)
label values employ yesno
label variable employ "Gvmt should provide living for unemployed"

capture drop income
gen income = .
replace income = 1 if (v42==1)|(v42==2)
replace income = 0 if (v42==3)|(v42==4)
label values income yesno
label variable income "Gvmt should reduce income inequality"

capture drop old
gen old = .
replace old = 1 if (v39==1)|(v39==2)
replace old = 0 if (v39==3)|(v39==4)
tab old, mi
tab old v39
label values old yesno
label variable old "Gvmt should provide living for old"

capture drop house
gen house = .
replace house = 1 if (v44==1)|(v44==2)
replace house = 0 if (v44==3)|(v44==4)
label values house yesno
label variable house "Gvmt should provide housing"

capture drop sick
gen sick = .
replace sick = 1 if (v38==1)|(v38==2)
replace sick = 0 if (v38==3)|(v38==4)
label values sick yesno
label variable sick "Gvmt should provide healthcare"

capture drop age
gen age = v201
label variable age "Age in Years"

capture drop agesq
gen agesq = age*age
label variable agesq "Age Squared"
summ agesq
```

```

capture drop female
gen female = .
replace female = 1 if (v200==2)
replace female = 0 if (v200==1)
label values female yesno
label variable female "Female"

rename marital1 married
label variable married "Married"
label values married yesno

rename marital2 widowed
label variable widowed "Widowed"
label values widowed yesno

rename marital3 divorced
label variable divorced "Divorced"
label values divorced yesno

rename marital4 separated
label variable separated "Separated"
label values separated yesno

rename marital5 single
label variable single "Never Married"
label values single yesno

capture drop divsep
egen divsep = rmax(divorced separated)
label variable divsep "Divorced or Separated"
label values divsep yesno

capture drop hhsize
gen hhsize = v273
label variable hhsize "Household Size"

capture drop childhh
gen childhh = 0 if (v274!=.)
replace childhh = 1 if (v274==2) | (v274==3) | (v274==4) | ///
                    (v274==6) | (v274==7) | (v274==8) | ///
                    (v274==10) | (v274==12) | (v274==14) | ///
                    (v274==16) | (v274==18) | (v274==20) | ///
                    (v274==22) | (v274==24) | (v274==26)

label values childhh yesno
label variable childhh "Children in the HHld"

capture drop urban
gen urban = 0 if (v275!=.)
replace urban = 1 if (v275==1)
label values urban yesno
label variable urban "Lives in Urban Area"

capture drop town
gen town = 0 if (v275!=.)
replace town = 1 if (v275==2)
label values town yesno
label variable town "Lives in Suburbs/Town"

capture drop rural
gen rural = 0 if (v275!=.)
replace rural = 1 if (v275==3)
label values rural yesno
label variable rural "Lives in Rural Area"

```

```
capture drop lowed
gen lowed = 0 if (v205!=.)
replace lowed = 1 if (v205>=1)&(v205<=4)
label values lowed yesno
label variable lowed "Education Less than High School"
```

```
capture drop meded
gen meded = 0 if (v205!=.)
replace meded = 1 if (v205>=5)&(v205<=6)
label values meded yesno
label variable meded "Education High School"
```

```
capture drop highed
gen highed = 0 if (v205!=.)
replace highed = 1 if (v205==7)
label values highed yesno
label variable highed "Education Degree of Above"
```

```
capture drop ft
gen ft = 0 if (v206!=.)
replace ft = 1 if (v206==1)
label values ft yesno
label variable ft "Full Time Employment"
```

```
capture drop pt
gen pt = 0 if (v206!=.)
replace pt = 1 if (v206==2)|(v206==3)|(v206==4)
label values pt yesno
label variable pt "Part Time Employment"
```

```
capture drop out
gen out = 0 if (v206!=.)
replace out = 1 if (v206>=6)&(v206<=10)
label values out yesno
label variable out "Out of the Labour Market"
```

```
capture drop un
gen un = 0 if (v206!=.)
replace un = 1 if (v206==5)
label values un yesno
label variable un "Unemployed"
```

```
capture drop ftself
gen ftself = 0 if (v206!=.)
replace ftself = 1 if (ft==1)&(v213==1)
label values ftself yesno
label variable ftself "Full Time Self Employed"
```

```
capture drop ftpub
gen ftpub = 0 if (v206!=.)
replace ftpub = 1 if (ft==1)&((v212==1)|(v212==2))
label values ftpub yesno
label variable ftpub "Full Time Self Public"
```

```
capture drop ftpriv
gen ftpriv = 0 if (v206!=.)
replace ftpriv = 1 if (ft==1)&((v212==3)|(v212==6))
label values ftpriv yesno
label variable ftpriv "Full Time Private"
```

```
capture drop incomescore
gen incomescore = .
```

```

label variable incomescore "Country Income Z Scores"

levelsof v3, local(countries)
foreach value of local countries {
    zscore v218 if v3 == `value', listwise
    replace incomescore = z_v218 if v3 == `value'
    drop z_v218
}

capture drop religion
gen religion = .
replace religion = 1 if (v220==6)
replace religion = 2 if (v220>=4)&(v220<=5)
replace religion = 3 if (v220>=1)&(v220<=3)
label define religion 1 "Never" 2 "Low" 3 "High"
label values religion religion
label variable religion "Religious Attendance"
tab religion, gen(religion)
rename religion1 lowrelig
label variable lowrelig "Low Religious Attendance"
rename religion2 highrelig
label variable highrelig "High Religious Attendance"

capture drop country
gen country = .
replace country = 1 if (v3==1)
replace country = 2 if (v3==20)
replace country = 5 if (v3==27)
replace country = 6 if (v3==2) | (v3==3)
replace country = 7 if (v3==10)
replace country = 8 if (v3==24)
replace country = 10 if (v3==19)
replace country = 11 if (v3==12)
replace country = 13 if (v3==25)
replace country = 14 if (v3==13)
replace country = 15 if (v3==30)
replace country = 16 if (v3==4)
replace country = 17 if (v3==6)
label define country 1 "Australia" 2 "Canada" 3 "Denmark" ///
                    4 "Finland" 5 "France" 6 "Germany" ///
                    7 "Ireland" 8 "Japan" 9 "Netherlands" ///
                    10 "New Zealand" 11 "Norway" 12 "Portugal" ///
                    13 "Spain" 14 "Sweden" 15 "Switzerland" ///
                    16 "UK" 17 "USA"

label values country country
numlabel country, add

keep lowrelig highrelig incomescore pt out un ftpub ftself ftpriv lowed meded highed
///
    urban rural town childhh hhsiz divsep single widowed married ///
    female age agesq sick house old income employ job country v2

capture drop year
gen year = .
replace year = 1996
label variable year "Data Year"

sort country

save "1996ISSP.dta", replace

use "ZA4700.dta", clear

```

```

numlabel, add

capture drop job
gen job = .
replace job = 1 if (V25==1)|(V25==2)
replace job = 0 if (V25==3)|(V25==4)
label define yesno 1 "Yes" 0 "No"
label values job yesno
label variable job "Gvmt should provide jobs"

capture drop employ
gen employ = .
replace employ = 1 if (V30==1)|(V30==2)
replace employ = 0 if (V30==3)|(V30==4)
label values employ yesno
label variable employ "Gvmt should provide living for unemployed"

capture drop income
gen income = .
replace income = 1 if (V31==1)|(V31==2)
replace income = 0 if (V31==3)|(V31==4)
label values income yesno
label variable income "Gvmt should reduce income inequality"

capture drop old
gen old = .
replace old = 1 if (V28==1)|(V28==2)
replace old = 0 if (V28==3)|(V28==4)
label values old yesno
label variable old "Gvmt should provide living for old"

capture drop house
gen house = .
replace house = 1 if (V33==1)|(V33==2)
replace house = 0 if (V33==3)|(V33==4)
label values house yesno
label variable house "Gvmt should provide housing"

capture drop sick
gen sick = .
replace sick = 1 if (V27==1)|(V27==2)
replace sick = 0 if (V27==3)|(V27==4)
label values sick yesno
label variable sick "Gvmt should provide healthcare"

summ age
label variable age "Age in Years"

capture drop agesq
gen agesq = age*age
tab agesq
label variable agesq "Age Squared"
summ agesq

capture drop female
gen female = .
replace female = 1 if (sex==2)
replace female = 0 if (sex==1)
label values female yesno
label variable female "Female"

tab marital, gen(marital)

```

```

rename marital1 married
label variable married "Married"
label values married yesno

rename marital2 widowed
label variable widowed "Widowed"
label values widowed yesno

rename marital3 divorced
label variable divorced "Divorced"
label values divorced yesno

rename marital4 separated
label variable separated "Separated"
label values separated yesno

rename marital5 single
label variable single "Never Married"
label values single yesno

capture drop divsep
egen divsep = rmax(divorced separated)
tab divsep marital
label variable divsep "Divorced or Separated"
label values divsep yesno

capture drop hhsize
gen hhsize = hompop
label variable hhsize "Household Size"

capture drop childhh
gen childhh = 0 if (hhcycle!=.)
replace childhh = 1 if (hhcycle==2)|(hhcycle==3)|(hhcycle==4)| ///
                                     (hhcycle==6)|(hhcycle==7)|(hhcycle==8)| ///
                                     (hhcycle==10)|(hhcycle==12)|(hhcycle==14)| ///
                                     (hhcycle==16)|(hhcycle==18)|(hhcycle==20)| ///
                                     (hhcycle==22)|(hhcycle==24)|(hhcycle==26)| ///
                                     (hhcycle==28)|(hhcycle==29)

label values childhh yesno
label variable childhh "Children in the HHld"

capture drop urban
gen urban = 0 if (urbrural!=.)
replace urban = 1 if (urbrural==1)
label values urban yesno
label variable urban "Lives in Urban Area"

capture drop town
gen town = 0 if (urbrural!=.)
replace town = 1 if (urbrural==2)|(urbrural==3)
label values town yesno
label variable town "Lives in Suburbs/Town"

capture drop rural
gen rural = 0 if (urbrural!=.)
replace rural = 1 if (urbrural==4)|(urbrural==5)
label values rural yesno
label variable rural "Lives in Rural Area"

capture drop lowed
gen lowed = 0 if (degree!=.)
replace lowed = 1 if (degree>=0)&(degree<=2)
label values lowed yesno

```



```

label variable lowed "Education Less than High School"

capture drop meded
gen meded = 0 if (degree!=.)
replace meded = 1 if (degree>=3)&(degree<=4)
label values meded yesno
label variable meded "Education High School"

capture drop highed
gen highed = 0 if (degree!=.)
replace highed = 1 if (degree==5)
label values highed yesno
label variable highed "Education Degree of Above"

capture drop ft
gen ft = 0 if (wrkst!=.)
replace ft = 1 if (wrkst==1)
label values ft yesno
label variable ft "Full Time Employment"

capture drop pt
gen pt = 0 if (wrkst!=.)
replace pt = 1 if (wrkst==2)|(wrkst==3)|(wrkst==4)
label values pt yesno
label variable pt "Part Time Employment"

capture drop out
gen out = 0 if (wrkst!=.)
replace out = 1 if (wrkst>=6)&(wrkst<=10)
label values out yesno
label variable out "Out of the Labour Market"

capture drop un
gen un = 0 if (wrkst!=.)
replace un = 1 if (wrkst==5)
label values un yesno
label variable un "Unemployed"

capture drop ftself
gen ftself = 0 if (wrkst!=.)
replace ftself = 1 if (ft==1)&(wrktype==4)
label values ftself yesno
label variable ftself "Full Time Self Employed"

capture drop ftpub
gen ftpub = 0 if (wrkst!=.)
replace ftpub = 1 if (ft==1)&((wrktype==1)|(wrktype==2))
label values ftpub yesno
label variable ftpub "Full Time Self Public"

capture drop ftpriv
gen ftpriv = 0 if (wrkst!=.)
replace ftpriv = 1 if (ft==1)&((wrktype==3)|(wrktype==6))
label values ftpriv yesno
label variable ftpriv "Full Time Private"

capture drop incomescore
gen incomescore = .
label variable incomescore "Country Income Z Scores"
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {

```

```

zscore `incvar', listwise
replace incomescore=z_`incvar' if z_`incvar'!=.
drop z_`incvar'
}

capture drop religion
gen religion = .
replace religion = 1 if (attend==8)
replace religion = 2 if (attend>=6)&(attend<=7)
replace religion = 3 if (attend>=1)&(attend<=5)
label define religion 1 "Never" 2 "Low" 3 "High"
label values religion religion
label variable religion "Religious Attendance"
tab religion, gen(religion)
rename religion1 lowrelig
label variable lowrelig "Low Religious Attendance"
rename religion2 highrelig
label variable highrelig "High Religious Attendance"

capture drop country
gen country = .
replace country = 1 if (V3==36)
replace country = 2 if (V3==124)
replace country = 3 if (V3==208)
replace country = 4 if (V3==246)
replace country = 5 if (V3==250)
replace country = 6 if (V3==376.1)|(V3==376.2)
replace country = 7 if (V3==372)
replace country = 8 if (V3==392)
replace country = 9 if (V3==528)
replace country = 10 if (V3==554)
replace country = 11 if (V3==578)
replace country = 12 if (V3==620)
replace country = 13 if (V3==724)
replace country = 14 if (V3==752)
replace country = 15 if (V3==756)
replace country = 16 if (V3==826.1)
replace country = 17 if (V3==840)

label define country 1 "Australia" 2 "Canada" 3 "Denmark" ///
                    4 "Finland" 5 "France" 6 "Germany" ///
                    7 "Ireland" 8 "Japan" 9 "Netherlands" ///
                    10 "New Zealand" 11 "Norway" 12 "Portugal" ///
                    13 "Spain" 14 "Sweden" 15 "Switzerland" ///
                    16 "UK" 17 "USA"
label values country country

keep lowrelig highrelig incomescore pt out un ftpub ftself ftpriv lowed meded highed
///
    urban rural town childhh hhsiz divsep single widowed married ///
    female age agesq sick house old income employ job country V2

capture drop year
gen year = .
replace year = 2006
label variable year "Data Year"
tab year, mi

save "2006ISSP.dta", replace

use "$path1\bradyfinnigan2014countrydata.dta", clear

numlabel, add

```

```

label variable foreignpct "Percent Foreign Born"
label variable netmigpct "Net Migration PCT"
label variable socx "Social Welfare Expenditure"
label variable socdem "Social Democratic Regime"
label variable liberal "Liberal Regime"
label variable emprate "Employment Rate"
label variable mcp "Multiculturalism Policy Index"

capture drop country
gen country = cntry
recode country (36=1) (124=2) (208=3) (246=4) (250=5) (276=6) ///
               (372=7) (392=8) (528=9) (554=10) (578=11) ///
               (620=12) (724=13) (752=14) (756=15) (826=16) ///
               (840=17)
label variable country "Country"
label define country 1 "Australia" 2 "Canada" 3 "Denmark" ///
                    4 "Finland" 5 "France" 6 "Germany" ///
                    7 "Ireland" 8 "Japan" 9 "Netherlands" ///
                    10 "New Zealand" 11 "Norway" 12 "Portugal" ///
                    13 "Spain" 14 "Sweden" 15 "Switzerland" ///
                    16 "UK" 17 "USA"

label values country country
numlabel, add
drop if country>17

keep foreignpct netmigpct socx socdem liberal emprate mcp country year

save "countrydata.dta", replace

use "2006ISSP.dta", clear
append using "1996ISSP.dta"
merge m:1 country year using "countrydata.dta"
sort _merge
keep if (_merge==3)
drop _merge

tab year, gen(yrdummy)
rename yrdummy1 year96
label variable year96 "Year 1996"
rename yrdummy2 year06
label variable year06 "Year 2006"
tab1 year96 year06

tab country year
drop if (country==3)|(country==4)|(country==9)|(country==12)
tab country

capture drop countryfe
quietly tab country, gen(countryfe)
tab1 countryfe*

save "ISSP9606.dta", replace

use "ISSP9606.dta", clear

numlabel, add

bysort country: summ job employ income old house sick

global depvars "job employ income old house sick"
global controls "age agesq female lowed highed pt un out ftself ftpub incomescore
               lowrelig highrelig"

```

```

global cntryvars "foreignpct netmigpct socx emprate"

capture drop miss
egen miss = rowmiss($depvars $controls $cntryvars)
tab miss
capture drop complete
gen complete = .
replace complete = 1 if (miss == 0)
replace complete = 0 if (miss >= 1)&(miss <= 11)
label values complete yesno
label variable complete "Complete Case Sample"
tab complete

logit job
esttab using "table4.csv", eform b(3) z(3) wide replace

foreach depvar in $depvars {
    logit `depvar' foreignpct $controls countryfe* year06
    esttab using "table4.csv", eform b(3) z(3) wide append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct socx $controls countryfe* year06
    esttab using "table4.csv", eform b(3) z(3) wide append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct emprate $controls countryfe* year06
    esttab using "table4.csv", eform b(3) z(3) wide append
}

logit job, or
esttab using "table5.csv", eform b(3) z(3) wide replace

foreach depvar in $depvars {
    logit `depvar' netmigpct $controls countryfe* year06
    esttab using "table5.csv", eform b(3) z(3) wide append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct socx $controls countryfe* year06
    esttab using "table5.csv", eform b(3) z(3) wide append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct emprate $controls countryfe* year06
    esttab using "table5.csv", eform b(3) z(3) wide append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct foreignpct $controls countryfe* year06
    esttab using "table5.csv", eform b(3) z(3) wide append
}

```

Team: 60

Software: Stata

Version: CURATED

```

use "ZA2900.dta", clear

numlabel, add

capture drop job
gen job = .
replace job = 1 if (v36==1)|(v36==2)
replace job = 0 if (v36==3)|(v36==4)
label define yesno 1 "Yes" 0 "No"
label values job yesno
label variable job "Gvmt should provide jobs"

capture drop employ
gen employ = .
replace employ = 1 if (v41==1)|(v41==2)
replace employ = 0 if (v41==3)|(v41==4)
label values employ yesno
label variable employ "Gvmt should provide living for unemployed"

capture drop income
gen income = .
replace income = 1 if (v42==1)|(v42==2)
replace income = 0 if (v42==3)|(v42==4)
label values income yesno
label variable income "Gvmt should reduce income inequality"

capture drop old
gen old = .
replace old = 1 if (v39==1)|(v39==2)
replace old = 0 if (v39==3)|(v39==4)
label values old yesno
label variable old "Gvmt should provide living for old"

capture drop house
gen house = .
replace house = 1 if (v44==1)|(v44==2)
replace house = 0 if (v44==3)|(v44==4)
label values house yesno
label variable house "Gvmt should provide housing"

capture drop sick
gen sick = .
replace sick = 1 if (v38==1)|(v38==2)
replace sick = 0 if (v38==3)|(v38==4)
label values sick yesno
label variable sick "Gvmt should provide healthcare"

capture drop age
gen age = v201
label variable age "Age in Years"

capture drop agesq
gen agesq = age*age
label variable agesq "Age Squared"
summ agesq

capture drop female
gen female = .
replace female = 1 if (v200==2)
replace female = 0 if (v200==1)
label values female yesno
label variable female "Female"

```

```

rename marital1 married
label variable married "Married"
label values married yesno
tab married v202

rename marital2 widowed
label variable widowed "Widowed"
label values widowed yesno

rename marital3 divorced
label variable divorced "Divorced"
label values divorced yesno

rename marital4 separated
label variable separated "Separated"
label values separated yesno

rename marital5 single
label variable single "Never Married"
label values single yesno

capture drop divsep
egen divsep = rmax(divorced separated)
tab divsep v202
label variable divsep "Divorced or Separated"
label values divsep yesno

capture drop hhsize
gen hhsize = v273
label variable hhsize "Household Size"

capture drop childhh
gen childhh = 0 if (v274!=.)
replace childhh = 1 if (v274==2) | (v274==3) | (v274==4) | ///
                                     (v274==6) | (v274==7) | (v274==8) | ///
                                     (v274==10) | (v274==12) | (v274==14) | ///
                                     (v274==16) | (v274==18) | (v274==20) | ///
                                     (v274==22) | (v274==24) | (v274==26)

label values childhh yesno
label variable childhh "Children in the HHld"

capture drop urban
gen urban = 0 if (v275!=.)
replace urban = 1 if (v275==1)
label values urban yesno
label variable urban "Lives in Urban Area"

capture drop town
gen town = 0 if (v275!=.)
replace town = 1 if (v275==2)
label values town yesno
label variable town "Lives in Suburbs/Town"

capture drop rural
gen rural = 0 if (v275!=.)
replace rural = 1 if (v275==3)
label values rural yesno
label variable rural "Lives in Rural Area"

capture drop lowed
gen lowed = 0 if (v205!=.)
replace lowed = 1 if (v205>=1) & (v205<=4)

```

```

label values lowed yesno
label variable lowed "Education Less than High School"

capture drop meded
gen meded = 0 if (v205!=.)
replace meded = 1 if (v205>=5)&(v205<=6)
label values meded yesno
label variable meded "Education High School"

capture drop highed
gen highed = 0 if (v205!=.)
replace highed = 1 if (v205==7)
label values highed yesno
label variable highed "Education Degree of Above"

capture drop ft
gen ft = 0 if (v206!=.)
replace ft = 1 if (v206==1)
label values ft yesno
label variable ft "Full Time Employment"

capture drop pt
gen pt = 0 if (v206!=.)
replace pt = 1 if (v206==2)|(v206==3)|(v206==4)
label values pt yesno
label variable pt "Part Time Employment"

capture drop out
gen out = 0 if (v206!=.)
replace out = 1 if (v206>=6)&(v206<=10)
label values out yesno
label variable out "Out of the Labour Market"

capture drop un
gen un = 0 if (v206!=.)
replace un = 1 if (v206==5)
label values un yesno
label variable un "Unemployed"

capture drop ftself
gen ftself = 0 if (v206!=.)
replace ftself = 1 if (ft==1)&(v213==1)
label values ftself yesno
label variable ftself "Full Time Self Employed"

capture drop ftpub
gen ftpub = 0 if (v206!=.)
replace ftpub = 1 if (ft==1)&((v212==1)|(v212==2))
label values ftpub yesno
label variable ftpub "Full Time Self Public"

capture drop ftpriv
gen ftpriv = 0 if (v206!=.)
replace ftpriv = 1 if (ft==1)&((v212==3)|(v212==6))
label values ftpriv yesno
label variable ftpriv "Full Time Private"

capture drop incomescore
gen incomescore = .
label variable incomescore "Country Income Z Scores"

levelsof v3, local(countries)
foreach value of local countries {

```

```

    zscore v218 if v3 == `value', listwise
    replace incomescore = z_v218 if v3 == `value'
    drop z_v218
}

capture drop religion
gen religion = .
replace religion = 1 if (v220==6)
replace religion = 2 if (v220>=4)&(v220<=5)
replace religion = 3 if (v220>=1)&(v220<=3)
label define religion 1 "Never" 2 "Low" 3 "High"
label values religion religion
label variable religion "Religious Attendance"
tab religion, gen(religion)
rename religion1 lowrelig
label variable lowrelig "Low Religious Attendance"
rename religion2 highrelig
label variable highrelig "High Religious Attendance"

capture drop country
gen country = .
replace country = 1 if (v3==1)
replace country = 2 if (v3==20)
replace country = 5 if (v3==27)
replace country = 6 if (v3==2) | (v3==3)
replace country = 7 if (v3==10)
replace country = 8 if (v3==24)
replace country = 10 if (v3==19)
replace country = 11 if (v3==12)
replace country = 13 if (v3==25)
replace country = 14 if (v3==13)
replace country = 15 if (v3==30)
replace country = 16 if (v3==4)
replace country = 17 if (v3==6)
label define country 1 "Australia" 2 "Canada" 3 "Denmark" ///
                    4 "Finland" 5 "France" 6 "Germany" ///
                    7 "Ireland" 8 "Japan" 9 "Netherlands" ///
                    10 "New Zealand" 11 "Norway" 12 "Portugal" ///
                    13 "Spain" 14 "Sweden" 15 "Switzerland" ///
                    16 "UK" 17 "USA"
label values country country
numlabel country, add

keep lowrelig highrelig incomescore pt out un ftpub ftself ftpriv lowed meded highed
///
    urban rural town childhh hhsz divsep single widowed married ///
    female age agesq sick house old income employ job country v2

capture drop year
gen year = .
replace year = 1996
label variable year "Data Year"

sort country

save "1996ISSP.dta", replace

use "ZA4700.dta", clear

numlabel, add

capture drop job
gen job = .

```



```

replace job = 1 if (V25==1)|(V25==2)
replace job = 0 if (V25==3)|(V25==4)
label define yesno 1 "Yes" 0 "No"
label values job yesno
label variable job "Gvmt should provide jobs"

capture drop employ
gen employ = .
replace employ = 1 if (V30==1)|(V30==2)
replace employ = 0 if (V30==3)|(V30==4)
label values employ yesno
label variable employ "Gvmt should provide living for unemployed"

capture drop income
gen income = .
replace income = 1 if (V31==1)|(V31==2)
replace income = 0 if (V31==3)|(V31==4)
tab income, mi
tab income V31
label values income yesno
label variable income "Gvmt should reduce income inequality"

capture drop old
gen old = .
replace old = 1 if (V28==1)|(V28==2)
replace old = 0 if (V28==3)|(V28==4)
label values old yesno
label variable old "Gvmt should provide living for old"

capture drop house
gen house = .
replace house = 1 if (V33==1)|(V33==2)
replace house = 0 if (V33==3)|(V33==4)
label values house yesno
label variable house "Gvmt should provide housing"

capture drop sick
gen sick = .
replace sick = 1 if (V27==1)|(V27==2)
replace sick = 0 if (V27==3)|(V27==4)
label values sick yesno
label variable sick "Gvmt should provide healthcare"

summ age
label variable age "Age in Years"

capture drop agesq
gen agesq = age*age
tab agesq
label variable agesq "Age Squared"
summ agesq

capture drop female
gen female = .
replace female = 1 if (sex==2)
replace female = 0 if (sex==1)
label values female yesno
label variable female "Female"

tab marital, gen(marital)

rename marital1 married
label variable married "Married"

```

```

label values married yesno

rename marital2 widowed
label variable widowed "Widowed"
label values widowed yesno

rename marital3 divorced
label variable divorced "Divorced"
label values divorced yesno

rename marital4 separated
label variable separated "Separated"
label values separated yesno

rename marital5 single
label variable single "Never Married"
label values single yesno

capture drop divsep
egen divsep = rmax(divorced separated)
tab divsep marital
label variable divsep "Divorced or Separated"
label values divsep yesno

capture drop hhsize
gen hhsize = hompop
label variable hhsize "Household Size"

capture drop childhh
gen childhh = 0 if (hhcycle!=.)
replace childhh = 1 if (hhcycle==2)|(hhcycle==3)|(hhcycle==4)| ///
                    (hhcycle==6)|(hhcycle==7)|(hhcycle==8)| ///
                    (hhcycle==10)|(hhcycle==12)|(hhcycle==14)| ///
                    (hhcycle==16)|(hhcycle==18)|(hhcycle==20)| ///
                    (hhcycle==22)|(hhcycle==24)|(hhcycle==26)| ///
                    (hhcycle==28)|(hhcycle==29)

label values childhh yesno
label variable childhh "Children in the HHld"

capture drop urban
gen urban = 0 if (urbrural!=.)
replace urban = 1 if (urbrural==1)
label values urban yesno
label variable urban "Lives in Urban Area"

capture drop town
gen town = 0 if (urbrural!=.)
replace town = 1 if (urbrural==2)|(urbrural==3)
label values town yesno
label variable town "Lives in Suburbs/Town"

capture drop rural
gen rural = 0 if (urbrural!=.)
replace rural = 1 if (urbrural==4)|(urbrural==5)
label values rural yesno
label variable rural "Lives in Rural Area"

capture drop lowed
gen lowed = 0 if (degree!=.)
replace lowed = 1 if (degree>=0)&(degree<=2)
label values lowed yesno
label variable lowed "Education Less than High School"

```

```

capture drop meded
gen meded = 0 if (degree!=.)
replace meded = 1 if (degree>=3)&(degree<=4)
label values meded yesno
label variable meded "Education High School"

capture drop highed
gen highed = 0 if (degree!=.)
replace highed = 1 if (degree==5)
label values highed yesno
label variable highed "Education Degree of Above"

capture drop ft
gen ft = 0 if (wrkst!=.)
replace ft = 1 if (wrkst==1)
label values ft yesno
label variable ft "Full Time Employment"

capture drop pt
gen pt = 0 if (wrkst!=.)
replace pt = 1 if (wrkst==2)|(wrkst==3)|(wrkst==4)
label values pt yesno
label variable pt "Part Time Employment"

capture drop out
gen out = 0 if (wrkst!=.)
replace out = 1 if (wrkst>=6)&(wrkst<=10)
label values out yesno
label variable out "Out of the Labour Market"

capture drop un
gen un = 0 if (wrkst!=.)
replace un = 1 if (wrkst==5)
label values un yesno
label variable un "Unemployed"

capture drop ftself
gen ftself = 0 if (wrkst!=.)
replace ftself = 1 if (ft==1)&(wrktype==4)
label values ftself yesno
label variable ftself "Full Time Self Employed"

capture drop ftpub
gen ftpub = 0 if (wrkst!=.)
replace ftpub = 1 if (ft==1)&((wrktype==1)|(wrktype==2))
label values ftpub yesno
label variable ftpub "Full Time Self Public"

capture drop ftpriv
gen ftpriv = 0 if (wrkst!=.)
replace ftpriv = 1 if (ft==1)&((wrktype==3)|(wrktype==6))
label values ftpriv yesno
label variable ftpriv "Full Time Private"

capture drop incomescore
gen incomescore = .
label variable incomescore "Country Income Z Scores"
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
    zscore `incvar', listwise
    replace incomescore=z_`incvar' if z_`incvar'!=.
}

```

```

    drop z_`incvar'
}

capture drop religion
gen religion = .
replace religion = 1 if (attend==8)
replace religion = 2 if (attend>=6)&(attend<=7)
replace religion = 3 if (attend>=1)&(attend<=5)
label define religion 1 "Never" 2 "Low" 3 "High"
label values religion religion
label variable religion "Religious Attendance"
tab religion, gen(religion)
rename religion1 lowrelig
label variable lowrelig "Low Religious Attendance"
rename religion2 highrelig
label variable highrelig "High Religious Attendance"

capture drop country
gen country = .
replace country = 1 if (V3==36)
replace country = 2 if (V3==124)
replace country = 3 if (V3==208)
replace country = 4 if (V3==246)
replace country = 5 if (V3==250)
replace country = 6 if (V3==376.1)|(V3==376.2)
replace country = 7 if (V3==372)
replace country = 8 if (V3==392)
replace country = 9 if (V3==528)
replace country = 10 if (V3==554)
replace country = 11 if (V3==578)
replace country = 12 if (V3==620)
replace country = 13 if (V3==724)
replace country = 14 if (V3==752)
replace country = 15 if (V3==756)
replace country = 16 if (V3==826.1)
replace country = 17 if (V3==840)

label define country 1 "Australia" 2 "Canada" 3 "Denmark" ///
                    4 "Finland" 5 "France" 6 "Germany" ///
                    7 "Ireland" 8 "Japan" 9 "Netherlands" ///
                    10 "New Zealand" 11 "Norway" 12 "Portugal" ///
                    13 "Spain" 14 "Sweden" 15 "Switzerland" ///
                    16 "UK" 17 "USA"
label values country country

keep lowrelig highrelig incomescore pt out un ftpub ftself ftpriv lowed meded highed
///
    urban rural town childhh hhsiz divsep single widowed married ///
    female age agesq sick house old income employ job country V2

capture drop year
gen year = .
replace year = 2006
label variable year "Data Year"
tab year, mi

save "2006ISSP.dta", replace

use "$path1\bradyfinnigan2014countrydata.dta", clear

numlabel, add

label variable foreignpct "Percent Foreign Born"

```

```

label variable netmigpct "Net Migration PCT"
label variable socx "Social Welfare Expenditure"
label variable socdem "Social Democratic Regime"
label variable liberal "Liberal Regime"
label variable emprate "Employment Rate"
label variable mcp "Multiculturalism Policy Index"

capture drop country
gen country = cntry
recode country (36=1) (124=2) (208=3) (246=4) (250=5) (276=6) ///
               (372=7) (392=8) (528=9) (554=10) (578=11) ///
               (620=12) (724=13) (752=14) (756=15) (826=16) ///
               (840=17)
label variable country "Country"
label define country 1 "Australia" 2 "Canada" 3 "Denmark" ///
                    4 "Finland" 5 "France" 6 "Germany" ///
                    7 "Ireland" 8 "Japan" 9 "Netherlands" ///
                    10 "New Zealand" 11 "Norway" 12 "Portugal" ///
                    13 "Spain" 14 "Sweden" 15 "Switzerland" ///
                    16 "UK" 17 "USA"

label values country country
numlabel, add
drop if country>17
tab country, mi

keep foreignpct netmigpct socx socdem liberal emprate mcp country year

save "countrydata.dta", replace

use "2006ISSP.dta", clear
append using "1996ISSP.dta"
merge m:1 country year using "countrydata.dta"
sort _merge
keep if (_merge==3)
drop _merge

tab year, gen(yrdummy)
rename yrdummy1 year96
label variable year96 "Year 1996"
rename yrdummy2 year06
label variable year06 "Year 2006"
tab1 year96 year06

tab country year
drop if (country==3)|(country==4)|(country==9)|(country==12)
tab country

capture drop countryfe
quietly tab country, gen(countryfe)
tab1 countryfe*

save "ISSP9606.dta", replace

use "ISSP9606.dta", clear

numlabel, add

bysort country: summ job employ income old house sick

global depvars "job employ income old house sick"
global controls "age agesq female lowed highed pt un out ftself ftpub incomescore"
global cntryvars "foreignpct netmigpct socx emprate"

```

```

capture drop miss
egen miss = rowmiss($depvars $controls $cntryvars)
tab miss
capture drop complete
gen complete = .
replace complete = 1 if (miss == 0)
replace complete = 0 if (miss >= 1)&(miss <= 11)
label values complete yesno
label variable complete "Complete Case Sample"
tab complete

foreach depvar in $depvars {
    logit `depvar' foreignpct $controls countryfe* year06
    outreg2 using table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct socx $controls countryfe* year06
    outreg2 using table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct emprate $controls countryfe* year06
    outreg2 using table4.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct $controls countryfe* year06
    outreg2 using table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct socx $controls countryfe* year06
    outreg2 using table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct emprate $controls countryfe* year06
    outreg2 using table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct foreignpct $controls countryfe* year06
    outreg2 using table5.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

Team: 61
Software: Stata
Version: Original

```
use "ZA2900.dta", clear

lab def country1996 1 "AU" 2 "DE" 3 "DE" 4 "GB" 6 "US" 8 "HU" 9 "IT" 10 "IE" 12 "NO"
13 "SE" 14 "CZ" 15 "SI" ///
16 "PL" 17 "BG" 18 "RU" 19 "NZ" 20 "CA" 21 "PH" 22 "IL" 23 "IL" 24 "JP" 25 "ES" 26
"LV" 27 "FR" ///
28 "CY" 30 "CH"

gen country1996 = v3
lab val country1996 country1996

decode country1996, gen(iso2)

kountry iso2, from(iso2c) to(iso3n)
rename _ISO3N_ cntry

recode v36 (1 2 = 1) (3 4 = 0), gen(govjobs)
recode v38 (1 2 = 1) (3 4 = 0), gen(govsick)
recode v39 (1 2 = 1) (3 4 = 0), gen(govold)
recode v41 (1 2 = 1) (3 4 = 0), gen(govunempl)
recode v42 (1 2 = 1) (3 4 = 0), gen(govincome)
recode v44 (1 2 = 1) (3 4 = 0), gen(govhousing)

gen respid = v2
gen weight = v325

gen age = v201
gen age_sq = age * age
recode v200 (1=0) (2=1), gen(female)

recode v202 (1 3 4 5 = 0) (2 = 1), gen(marital_widowed)
recode v202 (1 2 5 = 0) (3 4 = 1), gen(marital_divorced) // separated added to
divorced
recode v202 (1 2 3 4 = 0) (5 = 1), gen(marital_notmarried)

recode v205 (1 2 3 4 = 1) (5 6 7 = 0), gen(educ_incompl)
recode v205 (7 = 1) (1 2 3 4 5 6 = 0), gen(educ_higher)

gen hhsize = v273

recode v274 (2 3 4 6 7 8 10 12 14 16 18 20 22 24 26 = 1) ///
(1 5 9 11 13 15 17 19 21 23 27 = 0) (95 = .), gen(hhkids)

recode v275 (2=1) (1 3 = 0), gen(suburban)
recode v275 (3=1) (1 2 = 0), gen(rural)

recode v206 (2 3 = 1) (1 4 5 6 7 8 9 10 = 0), gen(empl_parttime) // less than part-
time added to part-time
recode v206 (5 = 1) (1 2 3 4 6 7 8 9 10 = 0), gen(empl_unempl)
recode v206 (4 6 7 8 9 10 = 1) (1 2 3 5 = 0), gen(empl_notinlf)
recode v213 (1 = 1) (2 = 0), gen(empl_selfempl)
recode empl_selfempl (.=0) if empl_parttime != .
replace empl_parttime = 0 if empl_selfempl == 1
replace empl_unempl = 0 if empl_selfempl == 1
replace empl_notinlf = 0 if empl_selfempl == 1
```

```

gen zincome = .
levelsof cntry if v218 != ., local(surveys)
foreach s of local surveys {
    di "`s'"
    egen zincome_1 = std(v218) if cntry == `s'
    replace zincome = zincome_1 if cntry == `s'
    drop zincome_1
}

gen ln_zincome = ln(zincome +1)

recode v220 (4 3 2 1 = 1) (5 6 = 0), gen(rel_high)
recode v220 (6 4 3 2 1 = 0) (5 = 1), gen(rel_low)

***
keep respid weight country1996 iso2 cntry govjobs govssick govold govunempl govincome
govhousing ///
educ_incompl educ_higher marital_widowed marital_divorced marital_notmarried female
///
age age_sq hhkids suburban rural hhsz empl_parttime empl_unempl empl_notinlf ///
empl_selfempl zincome ln_zincome rel_low rel_high

save "ISSP_1996.dta", replace
***

*** Cleaning ISSP 2006 ***

use "ZA4700.dta", clear

gen cntry = V3a

recode V25 (1 2 = 1) (3 4 = 0), gen(govjobs)
recode V27 (1 2 = 1) (3 4 = 0), gen(govssick)
recode V28 (1 2 = 1) (3 4 = 0), gen(govold)
recode V30 (1 2 = 1) (3 4 = 0), gen(govunempl)
recode V31 (1 2 = 1) (3 4 = 0), gen(govincome)
recode V33 (1 2 = 1) (3 4 = 0), gen(govhousing)

*** Individual-level variables

gen respid = V2

gen age_sq = age * age
recode sex (1=0) (2=1), gen(female)

recode marital (1 3 4 5 = 0) (2 = 1), gen(marital_widowed)
recode marital (1 2 5 = 0) (3 4 = 1), gen(marital_divorced) // separated added to
divorced
recode marital (1 2 3 4 = 0) (5 = 1), gen(marital_notmarried)

recode degree (1 2 = 1) (3 4 5 = 0), gen(educ_incompl)
recode degree (5 = 1) (1 2 3 4 = 0), gen(educ_higher)

gen hhsz = hompop

recode hhcycle (2 3 4 6 7 8 10 12 14 16 18 20 22 24 26 28 = 1) ///
(1 5 9 11 13 15 17 19 21 23 25 = 0) (95 = .), gen(hhkids)

recode urbrural (2=1) (1 3 4 5 = 0), gen(suburban)

```



```

recode urbrural (4 5 = 1) (1 2 3 = 0), gen(rural)

recode wrkst (2 3 = 1) (1 4 5 6 7 8 9 10 = 0), gen(empl_parttime)
recode wrkst (5 = 1) (1 2 3 4 6 7 8 9 10 = 0), gen(empl_unempl)
recode wrkst (4 6 7 8 9 10 = 1) (1 2 3 5 = 0), gen(empl_notinlf)
recode wrktype (4 = 1) (1 2 3 6 = 0), gen(empl_selfempl)
    recode empl_selfempl (.=0) if empl_parttime != .
    replace empl_parttime = 0 if empl_selfempl == 1
    replace empl_unempl = 0 if empl_selfempl == 1
    replace empl_notinlf = 0 if empl_selfempl == 1

egen income = rowtotal(AU_INC-ZA_INC), missing

gen zincome = .
levelsof cntry if income != ., local(surveys)
foreach s of local surveys {
    di "`s'"
    egen zincome_1 = std(income) if cntry == `s'
    replace zincome = zincome_1 if cntry == `s'
    drop zincome_1
}

gen ln_zincome = ln(zincome + 1)

recode attend (5 4 3 2 1 = 1) (6 7 8 = 0), gen(rel_high)
recode attend (8 5 4 3 2 1 = 0) (6 7 = 1), gen(rel_low)

***
keep respid weight cntry govjobs govsick govold govunempl govincome govhousing ///
    educ_incompl educ_higher marital_widowed marital_divorced marital_notmarried female
    ///
    age age_sq hhkids suburban rural hhsize empl_parttime empl_unempl empl_notinlf ///
    empl_selfempl zincome ln_zincome rel_low rel_high

save "ISSP_2006.dta", replace
***

use "ISSP_1996.dta", clear
gen year = 1996
append using "ISSP_2006.dta"
recode year (.=2006)

gen sample13 = 1 if inlist(cntry, 36, 124, 250, 276, 372, 392, 554, ///
    578, 724, 752, 756, 826, 840)

save "ISSP_merged.dta", replace

merge m:1 cntry year using "\CRI BandF Shared Data
    Folder\bradyfinnigan2014countrydata.dta"
drop if _merge==2
drop _merge

save "ISSP_merged_cntry.dta", replace

kcountry cntry, from(iso3n) to(iso2c)

egen cntry_year = concat(_ISO2C_ year)

/* WITH WEIGHTS

```

```

local controls "age age_sq female educ_incompl educ_higher empl_parttime empl_unempl
empl_notinlf empl_selfempl zincome"
foreach var of varlist govjobs govunempl govincome govold govhousing govshick {

logit `var' foreignpct `controls' i.centry i.year if sample13 == 1 [pw = weight], or
est store m4_1_`var'

logit `var' foreignpct socx `controls' i.centry i.year if sample13 == 1 [pw = weight],
or
est store m4_2_`var'

logit `var' foreignpct embrate `controls' i.centry i.year if sample13 == 1 [pw =
weight], or
est store m4_3_`var'
}

esttab m4_1_govjobs m4_1_govunempl m4_1_govincome m4_1_govold m4_1_govhousing
m4_1_govshick, z eform ///
scalars(ll N) b(%4.3f)

esttab m4_2_govjobs m4_2_govunempl m4_2_govincome m4_2_govold m4_2_govhousing
m4_2_govshick, z eform ///
scalars(ll N) b(%4.3f)

esttab m4_3_govjobs m4_3_govunempl m4_3_govincome m4_3_govold m4_3_govhousing
m4_3_govshick, z eform ///
scalars(ll N) b(%4.3f)

***

local controls "age age_sq female educ_incompl educ_higher empl_parttime empl_unempl
empl_notinlf empl_selfempl zincome"
foreach var of varlist govjobs govunempl govincome govold govhousing govshick {

logit `var' netmigpct `controls' i.centry i.year if sample13 == 1 [pw = weight], or
est store m5_1_`var'

logit `var' netmigpct socx `controls' i.centry i.year if sample13 == 1 [pw = weight],
or
est store m5_2_`var'

logit `var' netmigpct embrate `controls' i.centry i.year if sample13 == 1 [pw =
weight], or
est store m5_3_`var'

logit `var' netmigpct foreignpct `controls' i.centry i.year if sample13 == 1 [pw =
weight], or
est store m5_4_`var'
}

esttab m5_1_govjobs m5_1_govunempl m5_1_govincome m5_1_govold m5_1_govhousing
m5_1_govshick, z eform ///
scalars(ll N) b(%4.3f)

esttab m5_2_govjobs m5_2_govunempl m5_2_govincome m5_2_govold m5_2_govhousing
m5_2_govshick, z eform ///
scalars(ll N) b(%4.3f)

esttab m5_3_govjobs m5_3_govunempl m5_3_govincome m5_3_govold m5_3_govhousing
m5_3_govshick, z eform ///
scalars(ll N) b(%4.3f)

```

```

esttab m5_4_govjobs m5_4_govunempl m5_4_govincome m5_4_govold m5_4_govhousing
      m5_4_govsick, z eform ///
      scalars(ll N) b(%4.3f)
*/

*** WITHOUT WEIGHTS

local controls "age age_sq female educ_incompl educ_higher empl_parttime empl_unempl
      empl_notinlf empl_selfempl zincome"
foreach var of varlist govjobs govunempl govincome govold govhousing govsick {

logit `var' foreignpct `controls' i.centry i.year if sample13 == 1 , or
      est store m4_1_`var'_nw

logit `var' foreignpct socx `controls' i.centry i.year if sample13 == 1 , or
      est store m4_2_`var'_nw

logit `var' foreignpct emprate `controls' i.centry i.year if sample13 == 1 , or
      est store m4_3_`var'_nw
}

esttab m4_1_govjobs_nw m4_1_govunempl_nw m4_1_govincome_nw m4_1_govold_nw
      m4_1_govhousing_nw m4_1_govsick_nw, z eform ///
      scalars(ll N) b(%4.3f)

esttab m4_2_govjobs_nw m4_2_govunempl_nw m4_2_govincome_nw m4_2_govold_nw
      m4_2_govhousing_nw m4_2_govsick_nw, z eform ///
      scalars(ll N) b(%4.3f)

esttab m4_3_govjobs_nw m4_3_govunempl_nw m4_3_govincome_nw m4_3_govold_nw
      m4_3_govhousing_nw m4_3_govsick_nw, z eform ///
      scalars(ll N) b(%4.3f)

local controls "age age_sq female educ_incompl educ_higher empl_parttime empl_unempl
      empl_notinlf empl_selfempl zincome"
foreach var of varlist govjobs govunempl govincome govold govhousing govsick {

logit `var' netmigpct `controls' i.centry i.year if sample13 == 1 , or
      est store m5_1_`var'_nw

logit `var' netmigpct socx `controls' i.centry i.year if sample13 == 1 , or
      est store m5_2_`var'_nw

logit `var' netmigpct emprate `controls' i.centry i.year if sample13 == 1 , or
      est store m5_3_`var'_nw

logit `var' netmigpct foreignpct `controls' i.centry i.year if sample13 == 1 , or
      est store m5_4_`var'_nw
}

esttab m5_1_govjobs_nw m5_1_govunempl_nw m5_1_govincome_nw m5_1_govold_nw
      m5_1_govhousing_nw m5_1_govsick_nw, z eform ///
      scalars(ll N) b(%4.3f)

esttab m5_2_govjobs_nw m5_2_govunempl_nw m5_2_govincome_nw m5_2_govold_nw
      m5_2_govhousing_nw m5_2_govsick_nw, z eform ///
      scalars(ll N) b(%4.3f)

esttab m5_3_govjobs_nw m5_3_govunempl_nw m5_3_govincome_nw m5_3_govold_nw
      m5_3_govhousing_nw m5_3_govsick_nw, z eform ///
      scalars(ll N) b(%4.3f)

```

```
esttab m5_4_govjobs_nw m5_4_govunempl_nw m5_4_govincome_nw m5_4_govold_nw  
m5_4_govhousing_nw m5_4_govsick_nw, z eform ///  
scalars(11 N) b(%4.3f)
```

Team: 62
Software: R
Version: ORIGINAL

```
library(foreign)
library(dplyr)

ISSP_96 <- read.dta('ZA2900.dta')
ISSP_06 <- read.dta('ZA4700.dta')
country <- read.csv('L2data.csv')

ISSP_96 <- ISSP_96 %>%
  select(c(v39, v41, v42, v36, v3,
           v200, v201, v205, v206)) %>%
  filter(as.numeric(v39) < 5) %>%
  mutate(old = as.numeric(v39) < 3) %>%
  select(-v39) %>%
  filter(as.numeric(v41) < 5) %>%
  mutate(unemployed = as.numeric(v41) < 3) %>%
  select(-v41) %>%
  filter(as.numeric(v42) < 5) %>%
  mutate(income = as.numeric(v42) < 3) %>%
  select(-v42) %>%
  filter(as.numeric(v36) < 5) %>%
  mutate(jobs = as.numeric(v36) < 3) %>%
  select(-v36) %>%
  filter(as.numeric(v200) < 3) %>%
  mutate(female = as.numeric(v200) == 2) %>%
  select(-v200) %>%
  mutate(age = v201) %>%
  select(-v201) %>%
  mutate(age_squared = as.numeric(age)^2) %>%
  mutate(education = NA) %>%
  filter(as.numeric(v205) < 8) %>%
  mutate(employment = "unactive") %>%
  filter(as.numeric(v206) < 11) %>%
  mutate(year = 1996) %>%
  mutate(country = NA)

ISSP_96[as.numeric(ISSP_96$v205) == 7, "education"] <- rep("univ", sum(ISSP_96$v205 ==
7))
ISSP_96[as.numeric(ISSP_96$v205) < 7, "education"] <- rep("secondary",
sum(as.numeric(ISSP_96$v205) < 7))
ISSP_96[as.numeric(ISSP_96$v205) < 4, "education"] <- rep("primary",
sum(as.numeric(ISSP_96$v205) < 4))

ISSP_96[as.numeric(ISSP_96$v206) == 1, "employment"] <- rep("full",
sum(as.numeric(ISSP_96$v206) == 1))
ISSP_96[as.numeric(ISSP_96$v206) == 2, "employment"] <- rep("part",
sum(as.numeric(ISSP_96$v206) == 2))
ISSP_96[as.numeric(ISSP_96$v206) == 5, "employment"] <- rep("unemployed",
sum(as.numeric(ISSP_96$v206) == 5))

ISSP_96[ISSP_96$v3 == "aus", "country"] <- rep("Australia", sum(ISSP_96$v3 == "aus"))
ISSP_96[ISSP_96$v3 == "D-W", "country"] <- rep("Germany", sum(ISSP_96$v3 == "D-W"))
ISSP_96[ISSP_96$v3 == "D-E", "country"] <- rep("Germany", sum(ISSP_96$v3 == "D-E"))
ISSP_96[ISSP_96$v3 == "gb", "country"] <- rep("United Kingdom", sum(ISSP_96$v3 ==
"gb"))
```

```

ISSP_96[ISSP_96$v3 == "usa", "country"] <- rep("United States", sum(ISSP_96$v3 ==
"usa"))
ISSP_96[ISSP_96$v3 == "h", "country"] <- rep("Hungary", sum(ISSP_96$v3 == "h"))
ISSP_96[ISSP_96$v3 == "i", "country"] <- rep("Italy", sum(ISSP_96$v3 == "i"))
ISSP_96[ISSP_96$v3 == "irl", "country"] <- rep("Ireland", sum(ISSP_96$v3 == "irl"))
ISSP_96[ISSP_96$v3 == "n", "country"] <- rep("Norway", sum(ISSP_96$v3 == "n"))
ISSP_96[ISSP_96$v3 == "s", "country"] <- rep("Sweden", sum(ISSP_96$v3 == "s"))
ISSP_96[ISSP_96$v3 == "cz", "country"] <- rep("Czech Republic", sum(ISSP_96$v3 ==
"cz"))
ISSP_96[ISSP_96$v3 == "slo", "country"] <- rep("Slovenia", sum(ISSP_96$v3 == "slo"))
ISSP_96[ISSP_96$v3 == "pl", "country"] <- rep("Poland", sum(ISSP_96$v3 == "pl"))
ISSP_96[ISSP_96$v3 == "bg", "country"] <- rep("Bulgaria", sum(ISSP_96$v3 == "bg"))
ISSP_96[ISSP_96$v3 == "rus", "country"] <- rep("Russia", sum(ISSP_96$v3 == "rus"))
ISSP_96[ISSP_96$v3 == "nz", "country"] <- rep("New Zealand", sum(ISSP_96$v3 == "nz"))
ISSP_96[ISSP_96$v3 == "cdn", "country"] <- rep("Canada", sum(ISSP_96$v3 == "cdn"))
ISSP_96[ISSP_96$v3 == "IL-J", "country"] <- rep("Israel", sum(ISSP_96$v3 == "IL-J"))
ISSP_96[ISSP_96$v3 == "IL-A", "country"] <- rep("Israel", sum(ISSP_96$v3 == "IL-A"))
ISSP_96[ISSP_96$v3 == "j", "country"] <- rep("Japan", sum(ISSP_96$v3 == "j"))
ISSP_96[ISSP_96$v3 == "e", "country"] <- rep("Spain", sum(ISSP_96$v3 == "e"))
ISSP_96[ISSP_96$v3 == "lv", "country"] <- rep("Latvia", sum(ISSP_96$v3 == "lv"))
ISSP_96[ISSP_96$v3 == "f", "country"] <- rep("France", sum(ISSP_96$v3 == "f"))
ISSP_96[ISSP_96$v3 == "cy", "country"] <- rep("Cyprus", sum(ISSP_96$v3 == "cy"))
ISSP_96[ISSP_96$v3 == "ch", "country"] <- rep("Switzerland", sum(ISSP_96$v3 == "ch"))

```

```

ISSP_06 <- ISSP_06 %>%
  select(c(V3a, V28, V30, V31, V25,
           sex, age, degree, wrkst)) %>%
  filter(as.numeric(V28) < 5) %>%
  mutate(old = as.numeric(V28) < 3) %>%
  select(-V28) %>%
  filter(as.numeric(V30) < 5) %>%
  mutate(unemployed = as.numeric(V30) < 3) %>%
  select(-V30) %>%
  filter(as.numeric(V31) < 5) %>%
  mutate(income = as.numeric(V31) < 3) %>%
  select(-V31) %>%
  filter(as.numeric(V25) < 5) %>%
  mutate(jobs = as.numeric(V25) < 3) %>%
  select(-V25) %>%
  filter(as.numeric(sex) < 3) %>%
  mutate(female = as.numeric(sex) == 2) %>%
  select(-sex) %>%
  mutate(age_squared = age^2) %>%
  mutate(education = NA) %>%
  filter(!is.na(degree)) %>%
  filter(as.numeric(degree) < 7) %>%
  mutate(employment = "unactive") %>%
  filter(!is.na(wrkst)) %>%
  filter(as.numeric(wrkst) < 11) %>%
  mutate(year = 2006) %>%
  mutate(country = NA)

```

```

ISSP_06[as.numeric(ISSP_06$degree) == 6, "education"] <- rep("univ",
sum(as.numeric(ISSP_06$degree) == 6))
ISSP_06[as.numeric(ISSP_06$degree) < 6, "education"] <- rep("secondary",
sum(as.numeric(ISSP_06$degree) < 6))
ISSP_06[as.numeric(ISSP_06$degree) < 4, "education"] <- rep("primary",
sum(as.numeric(ISSP_06$degree) < 4))

```

```

ISSP_06[as.numeric(ISSP_06$wrkst) == 1, "employment"] <- rep("full",
  sum(as.numeric(ISSP_06$wrkst) == 1))
ISSP_06[as.numeric(ISSP_06$wrkst) == 2, "employment"] <- rep("part",
  sum(as.numeric(ISSP_06$wrkst) == 2))
ISSP_06[as.numeric(ISSP_06$wrkst) == 5, "employment"] <- rep("unemployed",
  sum(as.numeric(ISSP_06$wrkst) == 5))

ISSP_06[ISSP_06$V3a == "AU-Australia", "country"] <- rep("Australia", sum(ISSP_06$V3a ==
  "AU-Australia"))
ISSP_06[ISSP_06$V3a == "HR-Croatia", "country"] <- rep("Croatia", sum(ISSP_06$V3a ==
  "HR-Croatia"))
ISSP_06[ISSP_06$V3a == "DE-Germany", "country"] <- rep("Germany", sum(ISSP_06$V3a ==
  "DE-Germany"))
ISSP_06[ISSP_06$V3a == "GB-Great Britain", "country"] <- rep("United Kingdom",
  sum(ISSP_06$V3a == "GB-Great Britain"))
ISSP_06[ISSP_06$V3a == "US-United States", "country"] <- rep("United States",
  sum(ISSP_06$V3a == "US-United States"))
ISSP_06[ISSP_06$V3a == "HU-Hungary", "country"] <- rep("Hungary", sum(ISSP_06$V3a ==
  "HU-Hungary"))
ISSP_06[ISSP_06$V3a == "DK-Denmark", "country"] <- rep("Denmark", sum(ISSP_06$V3a ==
  "DK-Denmark"))
ISSP_06[ISSP_06$V3a == "IE-Ireland", "country"] <- rep("Ireland", sum(ISSP_06$V3a ==
  "IE-Ireland"))
ISSP_06[ISSP_06$V3a == "NO-Norway", "country"] <- rep("Norway", sum(ISSP_06$V3a ==
  "NO-Norway"))
ISSP_06[ISSP_06$V3a == "SE-Sweden", "country"] <- rep("Sweden", sum(ISSP_06$V3a ==
  "SE-Sweden"))
ISSP_06[ISSP_06$V3a == "CZ-Czech Republic", "country"] <- rep("Czech Republic",
  sum(ISSP_06$V3a == "CZ-Czech Republic"))
ISSP_06[ISSP_06$V3a == "SI-Slovenia", "country"] <- rep("Slovenia", sum(ISSP_06$V3a ==
  "SI-Slovenia"))
ISSP_06[ISSP_06$V3a == "PL-Poland", "country"] <- rep("Poland", sum(ISSP_06$V3a ==
  "PL-Poland"))
ISSP_06[ISSP_06$V3a == "BG-Bulgaria", "country"] <- rep("Bulgaria", sum(ISSP_06$V3a ==
  "BG-Bulgaria"))
ISSP_06[ISSP_06$V3a == "RU-Russia", "country"] <- rep("Russia", sum(ISSP_06$V3a ==
  "RU-Russia"))
ISSP_06[ISSP_06$V3a == "NZ-New Zealand", "country"] <- rep("New Zealand",
  sum(ISSP_06$V3a == "NZ-New Zealand"))
ISSP_06[ISSP_06$V3a == "CA-Canada", "country"] <- rep("Canada", sum(ISSP_06$V3a ==
  "CA-Canada"))
ISSP_06[ISSP_06$V3a == "IL-Isreal", "country"] <- rep("Isreal", sum(ISSP_06$V3a ==
  "IL-Isreal"))
ISSP_06[ISSP_06$V3a == "FI-Finland", "country"] <- rep("Finland", sum(ISSP_06$V3a ==
  "FI-Finland"))
ISSP_06[ISSP_06$V3a == "JP-Japan", "country"] <- rep("Japan", sum(ISSP_06$V3a == "JP-
  Japan"))
ISSP_06[ISSP_06$V3a == "ES-Spain", "country"] <- rep("Spain", sum(ISSP_06$V3a == "ES-
  Spain"))
ISSP_06[ISSP_06$V3a == "LV-Latvia", "country"] <- rep("Latvia", sum(ISSP_06$V3a ==
  "LV-Latvia"))
ISSP_06[ISSP_06$V3a == "FR-France", "country"] <- rep("France", sum(ISSP_06$V3a ==
  "FR-France"))
ISSP_06[ISSP_06$V3a == "CY-Cyprus", "country"] <- rep("Cyprus", sum(ISSP_06$V3a ==
  "CY-Cyprus"))
ISSP_06[ISSP_06$V3a == "CH-Switzerland", "country"] <- rep("Switzerland",
  sum(ISSP_06$V3a == "CH-Switzerland"))
ISSP_06[ISSP_06$V3a == "KR-South Korea", "country"] <- rep("South Korea",
  sum(ISSP_06$V3a == "KR-South Korea"))

ISSP_96 <- ISSP_96 %>%

```

```

    select(-v3) %>%
    select(-v205) %>%
    select(-v206)
ISSP_06 <- ISSP_06 %>%
    select(-V3a) %>%
    select(-degree) %>%
    select(-wrkst)
ISSP_complete <- ISSP_96 %>%
    bind_rows(ISSP_06) %>%
    left_join(country, by = c("country" = "country", "year" = "year"))

displayResults <- function(model) {
  print("coefficients")
  print(coef(model)[1])
  print("odds ratios")
  print(exp(coef(model))[1:5])
  print("z scores")
  print(summary(model)$coefficients[1:5, 3])
}

model_1 <- glm(old ~ foreignpct + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_1)
model_2 <- glm(unemployed ~ foreignpct + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_2)
model_3 <- glm(income ~ foreignpct + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_3)
model_4 <- glm(jobs ~ foreignpct + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_4)

model_5 <- glm(old ~ foreignpct + socx + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_5)
model_6 <- glm(unemployed ~ foreignpct + socx + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_6)
model_7 <- glm(income ~ foreignpct + socx + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_7)
model_8 <- glm(jobs ~ foreignpct + socx + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_8)

model_9 <- glm(old ~ foreignpct + emprate + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_9)
model_10 <- glm(unemployed ~ foreignpct + emprate + factor(female) + age + age_squared
  + factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_10)

```



```

model_11 <- glm(income ~ foreignpct + emprate + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_11)
model_12 <- glm(jobs ~ foreignpct + emprate + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_12)

model_13 <- glm(old ~ netmigpct + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_13)
model_14 <- glm(unemployed ~ netmigpct + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_14)
model_15 <- glm(income ~ netmigpct + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_15)
model_16 <- glm(jobs ~ netmigpct + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_16)

model_17 <- glm(old ~ netmigpct + socx + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_17)
model_18 <- glm(unemployed ~ netmigpct + socx + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_18)
model_19 <- glm(income ~ netmigpct + socx + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_19)
model_20 <- glm(jobs ~ netmigpct + socx + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_20)

model_21 <- glm(old ~ netmigpct + emprate + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_21)
model_22 <- glm(unemployed ~ netmigpct + emprate + factor(female) + age + age_squared
  + factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_22)
model_23 <- glm(income ~ netmigpct + emprate + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_23)
model_24 <- glm(jobs ~ netmigpct + emprate + factor(female) + age + age_squared +
  factor(education) + factor(employment) + year + factor(country), data =
  ISSP_complete, family = "binomial")
displayResults(model_24)

```

Team: 63
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
  (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
  (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
  "Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
  "Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
  "Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
  "Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
  "Great Britain" 840 "United States"
label values v3a cntrylbl

recode v4 (2=0) (8/9=.) (0=.), gen(dobeylaws)

recode v5 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgprotest)
recode orgprotest (1/2=0) (3/4=1), gen(dorgprotest)

recode v6 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgmarch)
recode orgmarch (1/2=0) (3/4=1), gen(dmarch)

recode v7 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgstrike)
recode orgstrike (1/2=0) (3/4=1), gen(dorgstrike)

recode v25 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)

recode v26 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)

recode v27 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)

recode v28 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)

recode v29 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)

recode v30 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)

recode v31 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)

recode v32 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)

recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)

recode v38 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)

recode v38 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
```

```

recode v39 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)

recode v39 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)

recode v41 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)

recode v42 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)

recode v43 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)

recode v44 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

recode v45 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)

recode v19 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)

recode v20 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)

recode v21 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)

recode v22 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)

recode v23 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)

recode v24 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)

rename v201 age
gen agesq=age*age

recode v200 (1=0) (2=1), gen(female)

rename v202 marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode v203 (2=0), gen(partner)

rename v273 hhsiz

recode v274 (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 27 {
    replace kidshh=1 if v274==`i'
    local i = `i' + 2
}

recode v275 (3=1) (nonmiss=0), gen(rural)

```

```

recode v275 (2=1) (nonmiss=0), gen(suburb)

rename v324 ETHNIC

rename v204 edyears
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
  Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename v208 isco
rename v209 occ2
rename v215 hourswrk

recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptemp)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=v213==1
replace selfemp=. if v206==.
gen pubemp=(v212==1 | v212==2)
replace pubemp=. if v206==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if v206==.

rename v218 faminc

gen inczscore=.
levelsof v3a, local(cntries)
foreach centryval of local cntries {
  zscore faminc if v3a==`centryval', listwise
  replace inczscore=z_faminc if v3a==`centryval'
  drop z_faminc
}

recode v222 (2=0), gen(union)

rename v223 party

recode v220 (1/2=1) (nonmiss=0), gen(highrel)
recode v220 (3/5=1) (nonmiss=0), gen(lowrel)
recode v220 (6=1) (nonmiss=0), gen(norel)
rename v220 religion

gen year=1996
gen yr2006=0

rename v3a centry

rename v325 wgths

save "ISSP96recode.dta", replace

use "ZA4700.dta", clear

```

```

recode V17 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)

recode V18 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)

recode V19 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)

recode V20 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)

recode V21 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)

recode V22 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)

recode V23 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)

recode V24 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)

recode V35 (1=5) (2=4) (4=2) (5=1), gen(suchcare)
recode suchcare (1/3=0) (4/5=1), gen(dsuchcare)

recode V36 (1=5) (2=4) (4=2) (5=1), gen(sucret)
recode sucret (1/3=0) (4/5=1), gen(dsucret)

recode V37 (1=5) (2=4) (4=2) (5=1), gen(sucdef)
recode sucdef (1/3=0) (4/5=1), gen(dsucdef)

recode V38 (1=5) (2=4) (4=2) (5=1), gen(suclaw)
recode suclaw (1/3=0) (4/5=1), gen(dsuclaw)

recode V39 (1=5) (2=4) (4=2) (5=1), gen(sucunemp)
recode sucunemp (1/3=0) (4/5=1), gen(dsucunemp)

recode V40 (1=5) (2=4) (4=2) (5=1), gen(sucenv)
recode sucenv (1/3=0) (4/5=1), gen(dsucenv)

recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)

recode V26 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)

recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)

recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)

recode V29 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)

recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)

recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)

```

```

recode V32 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)

recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

recode V34 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)

recode V11 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)

recode V12 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)

recode V13 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)

recode V14 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)

recode V15 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)

recode V16 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)

rename V41 govdetain
recode govdetain (1/2=1) (3/4=0), gen(dgovdetain)

rename V42 govtapphone
recode govtapphone (1/2=1) (3/4=0), gen(dgovtap)

rename V43 govsearch
recode govsearch (1/2=1) (3/4=0), gen(dgovsearch)

rename V54 trustfew
recode trustfew (1/2 = 0) (3/5 = 1), gen(dtrust)

rename V55 takeadv
recode takeadv (1/2 = 0) (3/5 = 1), gen(dtakeadv)

* rename AGE age
gen agesq=age*age

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

rename marital marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode cohab (2=0), gen(partner)

rename hompop hhsiz

recode hhcycle (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 29 {
    replace kidshh=1 if hhcycle==`i'
}

```

```

    local i = `i' + 2
}

recode urbrural (1/3=0) (4/5=1), gen(rural)
recode urbrural (2/3=1) (nonmiss=0), gen(suburb)

replace degree=1 if degree==0
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
  Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename wrkst empstat
rename ISCO88 isco
rename wrkhrs hourswrk

recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptemp)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=wrktype==4
replace selfemp=. if empstat==.
gen pubemp=(wrktype==1 | wrktype==2)
replace pubemp=. if empstat==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if empstat==.

gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
  FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
  PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
  zscore `incvar', listwise
  replace inczscore=z_`incvar' if z_`incvar'!=.
  drop z_`incvar'
}

ren union union2
recode union2 (2/3=0), gen(union)

rename PARTY_LR party

recode attend (1/3=1) (nonmiss=0), gen(highrel)
recode attend (4/7=1) (nonmiss=0), gen(lowrel)
recode attend (8=1) (nonmiss=0), gen(norel)
rename attend religion

rename V3a cntry

rename weight wghts

gen year=2006
gen yr2006=1

gen mail=mode==34

save "ISSP06recode.dta", replace

```

```

use "ISSP06recode.dta", replace
append using "ISSP96recode.dta"
sort cntry year
merge m:1 cntry year using "BradyFinnigan2014CountryData.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
  (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
  (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)
save "data/ISSP9606.dta", replace

global data "ISSP9606.dta"
global regtable "excel alpha(0.001, 0.01, 0.05) sym(***, **, *) ctitle(`depvar')
  eform bdec(3) sdec(2) stats(coef tstat) onecol append"

use $data, clear
keep if year==2006
keep if orig17

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female nevermar divorced widow hhsz kidshh rural suburb
  lesshs univ ptemp unemp nolabor selfemp pubemp inczscore highrel lowrel"
global cntryvars "foreignpct netmigpct cforborn socx socdem liberal emprate"

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)
keep if allcontrols

preserve
keep if allcontrols
keep $depvars $cntryvars $controls
outreg2 using "desc2006.xls", replace noaster excel sideways bdec(3) sdec(3)
  sum(detail) eqkeep(mean sd)
restore

preserve
keep if allcontrols
collapse $depvars, by(cntry)
outsheet cntry $depvars using "depvars2006", comma replace
restore

preserve
keep if allcontrols
keep cntry $depvars
bysort cntry: outreg2 using "depvars2006.xls", append noaster excel sideways bdec(2)
  sdec(2) sum(detail) eqkeep(mean sd)
restore

collapse $depvars foreignpct netmigpct cforborn, by(cntry)
corr foreignpct netmigpct cforborn $depvars

label define cntrylab 36 "AUS" 124 "CAN" 191 "CRO" 203 "CZR" 208 "DEN" 246 "FIN" 250
  "FRA" 276 "GER" 348 "HUN" 372 "IRE" 376 "ISR" 392 "JAP" 410 "KOR" 428 "LAT" 528 "NET"
  554 "NEW" 578 "NOR" 616 "POL" 620 "POR" 705 "SLO" 724 "SPA" 752 "SWE" 756 "SWZ" 826
  "UKM" 840 "USA"
label values cntry cntrylab

twoway scatter dgovretire foreignpct, msymbol(i) mlabel(cntry) || lfit dgovretire
  foreignpct, xtitle("% Foreign Born") legend(off) name(ret_fb, replace)
twoway scatter dgovretire netmigpct, msymbol(i) mlabel(cntry) || lfit dgovretire
  netmigpct, xtitle("Net Migration") legend(off) name(ret_netmig, replace)

```



```

graph combine ret_fb ret_netmig, row(1) xsize(9) ysize(5)
graph export figure2.tif, width(2700) height(1500) replace

twoway scatter dgovretire cforborn, msymbol(i) mlabel(cntry) mlabp(12) || lfit
    dgovretire cforborn, xtitle("Change in % Foreign Born") legend(off)
graph export appendixV.tif, width(1650) height(1200) replace

use $data, clear
keep if year==2006
keep if orig17

foreach depvar in $depvars {
    xtlogit `depvar' $controls, i(cntry) quad(30)
    outreg2 using controls2006.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct $controls, i(cntry) quad(30)
    outreg2 using forborn2006.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct socx $controls, i(cntry) quad(30)
    outreg2 using forborn2006socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct socdem liberal $controls, i(cntry) quad(30)
    outreg2 using forborn2006regime.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct emprate $controls, i(cntry) quad(30)
    outreg2 using forborn2006emprate.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct mcp $controls, i(cntry) quad(30)
    outreg2 using forborn2006mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {

```

```

xtlogit `depvar' netmigpct $controls, i(cntry) quad(30)
outreg2 using netmig2006.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' netmigpct socx $controls, i(cntry) quad(30)
outreg2 using netmig2006socx.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' netmigpct socdem liberal $controls, i(cntry) quad(30)
outreg2 using netmig2006regime.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' netmigpct emprate $controls, i(cntry) quad(30)
outreg2 using netmig2006emprate.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' netmigpct mcp $controls, i(cntry) quad(30)
outreg2 using netmig2006mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' netmigpct foreignpct $controls, i(cntry) quad(30)
outreg2 using netmig2006forborn.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' cforborn $controls, i(cntry) quad(30)
outreg2 using cforborn2006.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *) eform
bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' cforborn socx $controls, i(cntry) quad(30)
outreg2 using cforborn2006socx.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' cforborn socdem liberal $controls, i(cntry) quad(30)
outreg2 using cforborn2006regime.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' cforborn emprate $controls, i(cntry) quad(30)
outreg2 using cforborn2006emprate.xls, excel alpha(0.001, 0.01, 0.05) sym(**, **,
*) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
xtlogit `depvar' cforborn mcp $controls, i(cntry) quad(30)

```

```

    outreg2 using cforborn2006mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a cforborn foreignpct $controls, i(cntry) quad(30)
    outreg2 using cforborn2006forborn.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append ctitle(`depvar')
    rename a `depvar'
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn netmigpct $controls, i(cntry) quad(30)
    outreg2 using cforborn2006netmig.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

use $data, clear
keep if origl3

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
    yr2006"
global cntryvars "foreignpct netmigpct socx emprate"

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)

quietly tab cntry, gen(cntryfe)

preserve
keep if allcontrols & year==1996 & dgovincdiff<.
keep $depvars $cntryvars $controls
outreg2 using "desc1996.xls", replace noaster excel sideways bdec(3) sdec(3)
    sum(detail) eqkeep(mean sd)
restore

preserve
keep if allcontrols & year==1996
collapse $depvars, by(cntry)
outsheet cntry $depvars using "depvars1996", comma replace
restore

foreach depvar in $depvars {
    quietly logit `depvar' foreignpct $controls cntryfe*
    est store `depvar'_foreignpct
}
esttab dgovjobs_foreignpct dgovunemp_foreignpct dgovincdiff_foreignpct
    dgovretire_foreignpct dgovhous_foreignpct dhcare_foreignpct using
    results/table4_foreignpct.rtf, replace star compress b(%9.3f) z(%9.3f) nogaps nolines
    eform

foreach depvar in $depvars {
    quietly logit `depvar' foreignpct socx $controls cntryfe*
    est store `depvar'_foreignpctsocx
}

```

```

esttab dgovjobs_foreignpctsocx dgovunemp_foreignpctsocx dgovincdiff_foreignpctsocx
dgovretire_foreignpctsocx dgovhous_foreignpctsocx dhcare_foreignpctsocx using
results/table4_foreignpctsocx.rtf, replace star compress b(%9.3f) z(%9.3f) nogaps
nolines eform

foreach depvar in $depvars {
    quietly logit `depvar' foreignpct emprate $controls centryfe*
    est store `depvar'_foreignpcrate
}
esttab dgovjobs_foreignpcrate dgovunemp_foreignpcrate dgovincdiff_foreignpcrate
dgovretire_foreignpcrate dgovhous_foreignpcrate dhcare_foreignpcrate using
results/table4_foreignpcrate.rtf, replace star compress b(%9.3f) z(%9.3f) nogaps
nolines eform

foreach depvar in $depvars {
    quietly logit `depvar' netmigpct $controls centryfe*
    est store `depvar'_netmig9606
}
esttab dgovjobs_netmig9606 dgovunemp_netmig9606 dgovincdiff_netmig9606
dgovretire_netmig9606 dgovhous_netmig9606 dhcare_netmig9606 using
results/table5_netmig9606.rtf, replace star compress b(%9.3f) z(%9.3f) nogaps nolines
eform

foreach depvar in $depvars {
    quietly logit `depvar' netmigpct socx $controls centryfe*
    est store `depvar'_netmig9606socx
}
esttab dgovjobs_netmig9606socx dgovunemp_netmig9606socx dgovincdiff_netmig9606socx
dgovretire_netmig9606socx dgovhous_netmig9606socx dhcare_netmig9606socx using
results/table5_netmig9606socx.rtf, replace star compress b(%9.3f) z(%9.3f) nogaps
nolines eform

foreach depvar in $depvars {
    quietly logit `depvar' netmigpct emprate $controls centryfe*
    est store `depvar'_netmig9606rate
}
esttab dgovjobs_netmig9606rate dgovunemp_netmig9606rate dgovincdiff_netmig9606rate
dgovretire_netmig9606rate dgovhous_netmig9606rate dhcare_netmig9606rate using
results/table5_netmig9606rate.rtf, replace star compress b(%9.3f) z(%9.3f) nogaps
nolines eform

foreach depvar in $depvars {
    quietly logit `depvar' netmigpct foreignpct $controls centryfe*
    est store `depvar'_netmig9606born
}
esttab dgovjobs_netmig9606born dgovunemp_netmig9606born dgovincdiff_netmig9606born
dgovretire_netmig9606born dgovhous_netmig9606born dhcare_netmig9606born using
results/table5_netmig9606born.rtf, replace star compress b(%9.3f) z(%9.3f) nogaps
nolines eform

foreach depvar in $depvars {
    logit `depvar' $controls centryfe*
    outreg2 using "controls9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

xtset centry V2

foreach var of varlist $depvars {

```

```
quietly xtlogit `var' foreignpct age agesq female lesshs univ ptemp unemp nolabor  
    selfemp inczscore yr2006  
eststo `var'xtlogit  
quietly logit `var' foreignpct age agesq female lesshs univ ptemp unemp nolabor  
    selfemp inczscore yr2006 cntryfe*  
eststo `var'logit  
display "-----"  
display "`var'"  
esttab `var'xtlogit `var'logit  
}
```

Team: 64
Software: Stata
Version: ORIGINAL

*NOTE: this team re-ran the original study's code to generate the data used in this analysis

```
use "ISSP9606.dta", clear
drop if origl3==0

drop if age==.
drop if agesq==.
drop if female==.
drop if lesshs==.
drop if univ==.
drop if ptemp==.
drop if unemp==.
drop if nolabor==.
drop if selfemp==.
drop if inczscore==.

encode country, gen (ncountry)

logistic dgovjobs age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
yr2006 i.ncountry, vce(cluster ncountry)
logistic dgovunemp age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
yr2006 i.ncountry, vce(cluster ncountry)
logistic dgovincdiff age agesq female lesshs univ ptemp unemp nolabor selfemp
inczscore yr2006 i.ncountry, vce(cluster ncountry)
logistic dgovretire age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
yr2006 i.ncountry, vce(cluster ncountry)
logistic dgovhous age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
yr2006 i.ncountry, vce(cluster ncountry)
logistic dhcare age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
yr2006 i.ncountry, vce(cluster ncountry)

logistic dgovjobs age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
foreignpct i.year i.ncountry, vce(cluster ncountry)
logistic dgovunemp age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
foreignpct i.year i.ncountry, vce(cluster ncountry)
logistic dgovincdiff age agesq female lesshs univ ptemp unemp nolabor selfemp
inczscore foreignpct i.year i.ncountry, vce(cluster ncountry)
logistic dgovretire age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
foreignpct i.year i.ncountry, vce(cluster ncountry)
logistic dgovhous age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
foreignpct i.year i.ncountry, vce(cluster ncountry)
logistic dhcare age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
foreignpct i.year i.ncountry, vce(cluster ncountry)

logistic dgovjobs age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
foreignpct socx i.year i.ncountry, vce(cluster ncountry)
logistic dgovunemp age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
foreignpct socx i.year i.ncountry, vce(cluster ncountry)
logistic dgovincdiff age agesq female lesshs univ ptemp unemp nolabor selfemp
inczscore foreignpct socx i.year i.ncountry, vce(cluster ncountry)
logistic dgovretire age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
foreignpct socx i.year i.ncountry, vce(cluster ncountry)
logistic dgovhous age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
foreignpct socx i.year i.ncountry, vce(cluster ncountry)
logistic dhcare age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
foreignpct socx i.year i.ncountry, vce(cluster ncountry)
```

[illegible]

```
logistic dhcare age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore  
netmigpct foreignpct i.year i.ncountry, vce(cluster ncountry)
```


Team: 65
Software: SPSS
Version: CURATED

```
GET STATA FILE='ZA2900.dta'.
SAVE OUTFILE='ZA2900.sav'.

GET STATA FILE = 'ZA2900.dta' .
SAVE OUTFILE = 'ZA2900.sav' .

recode v3 (1=36) (20=124) (27=250) (2= 276) (3=276) (10=372) (24=392) (19=554)
(12=578) (25=724)
(13=752) (30=756) (4=826) (6=840) (ELSE=-999).

value labels
v3
36 'Australia'
124 'Canada'
250 'France'
276 'Germany'
372 'Ireland'
392 'Japan'
554 'New Zealand'
578 'Norway'
724 'Spain'
752 'Sweden'
756 'Switzerland'
826 'Great Britain'
840 'United States'.
EXECUTE.

rename variables (v3 = cntr).
exec.

SELECT IF cntr ~= -999.
EXECUTE.

compute y2006 = 0.
exec.

recode v36 v41 v42 v39 v44 v38 (1=1) (2=1) (3=0) (4=0) into gov_jobs gov_unempl
gov_income gov_retire gov_housing gov_health.
EXECUTE.

rename variables v201 = age.
exec.

compute agesq = age*age.
exec.

recode v200 (1=0) (2=1) into female.
exec.

recode v205 (1=1) (2=1) (3=1) (4=1) (99=SYSMIS) (ELSE=0) into edu_lesssec.
recode v205 (5=1) (6=1) (99=SYSMIS) (ELSE=0) into edu_sec.
recode v205 (7=1) (99=SYSMIS) (ELSE=0) into edu_highersec.
exec.

recode v206 (1=1) (97=sysmis) (98=sysmis) (99=sysmis) (ELSE=0) into occ_fulltime.
recode v206 (2=1) (3=1) (4=1) (97=sysmis) (98=sysmis) (99=sysmis) (ELSE=0) into
occ_parttime.
recode v206 (5=1) (97=sysmis) (98=sysmis) (99=sysmis) (ELSE=0) into occ_unempl.
```

```

recode v206 (6=1) (7=1) (8=1) (9=1) (10=1) (97=sysmis) (98=sysmis) (99=sysmis)
(ELSE=0) into occ_notinlabm.

RECODE v213 (1=1) (2=0), into selfemp .

COMPUTE relincome = v218 .
recode relincome (999997=SYSMIS) (999998=SYSMIS) (999999=SYSMIS).

split file by cntr.
descriptives variables = relincome / save.
split file off.

SAVE OUTFILE='ZA2900_reduced.sav'
/keep= cntr y2006 gov_jobs gov_unempl gov_income
gov_retire gov_housing gov_health age agesq
female edu_lesssec edu_sec edu_highersec
occ_fulltime occ_parttime occ_unempl
occ_notinlabm occ_selfempl relincome .

GET FILE='ZA2900_reduced.sav'.

SAVE OUTFILE='ZA2900_reduced.sav'
/KEEP cntr y2006 gov_jobs gov_unempl gov_income
gov_retire gov_housing gov_health age agesq
female edu_lesssec edu_sec edu_highersec
occ_fulltime occ_parttime occ_unempl
occ_notinlabm occ_selfempl selfemp relincome zrelincome
/COMPRESSED.

GET STATA FILE='ZA4700.dta'.
SAVE OUTFILE='ZA4700.sav'.

GET STATA FILE = 'ZA4700.sav' .

rename variables (v3a = cntr).
exec.

SELECT IF cntr = 36 OR cntr = 124 OR cntr = 250 OR cntr = 276 OR cntr = 372
OR cntr = 392 OR cntr = 554 OR cntr = 578 OR cntr = 724
OR cntr = 752 OR cntr = 756 OR cntr = 826 OR cntr = 840.
EXECUTE.

compute y2006 = 1.
exec.

recode V25 V30 V31 V28 V33 V27 (1=1) (2=1) (3=0) (4=0) into gov_jobs gov_unempl
gov_income gov_retire gov_housing gov_health.
EXECUTE.

compute agesq = age*age.
EXECUTE.

recode sex (1=0) (2=1) into female.
exec.

FREQUENCIES degree .
recode degree (0=1) (1=1) (2=1) (8=SYSMIS) (9=SYSMIS) (ELSE=0) into edu_lesssec.
recode degree (3=1) (4=1) (8=SYSMIS) (9=SYSMIS) (ELSE=0) into edu_sec.
recode degree (5=1) (8=SYSMIS) (9=SYSMIS) (ELSE=0) into edu_highersec.
exec.

recode wrkst (1=1) (97=sysmis) (98=sysmis) (99=sysmis) (ELSE=0) into occ_fulltime.

```

```

recode wrkst (2=1) (3=1) (4=1) (97=sysmis) (98=sysmis) (99=sysmis) (ELSE=0) into
  occ_parttime.
recode wrkst (5=1) (97=sysmis) (98=sysmis) (99=sysmis) (ELSE=0) into occ_unempl.
recode wrkst (6=1) (7=1) (8=1) (9=1) (10=1) (97=sysmis) (98=sysmis) (99=sysmis)
  (ELSE=0) into occ_notinlabm.
RECODE wrktype (4=1) (1=0) (2=0) (3=0) (6=0), into selfemp .
FREQUENCIES wrktype selfemp .

FREQUENCIES AU_INC CA_INC DE_INC FR_INC IE_INC JP_INC NZ_INC
NO_INC ES_INC SE_INC CH_INC GB_INC US_INC .

descriptives variables = AU_INC CA_INC DE_INC FR_INC IE_INC JP_INC NZ_INC
NO_INC ES_INC SE_INC CH_INC GB_INC US_INC / save.

Compute relincome = MEAN(ZAU_INC,ZCA_INC,ZDE_INC,ZFR_INC,
ZIE_INC,ZJP_INC,ZNZ_INC,ZNO_INC,ZES_INC,ZSE_INC,ZCH_INC,ZGB_INC,
ZUS_INC).
exec.
COMPUTE zrelincome = MEAN(ZAU_INC,ZCA_INC,ZDE_INC,ZFR_INC,
ZIE_INC,ZJP_INC,ZNZ_INC,ZNO_INC,ZES_INC,ZSE_INC,ZCH_INC,ZGB_INC,
ZUS_INC).
EXECUTE .

SAVE OUTFILE='ZA4700_reduced.sav' /keep=
cntr y2006 gov_jobs gov_unempl gov_income
gov_retire gov_housing gov_health age agesq
female edu_lesssec edu_sec edu_highersec
occ_fulltime occ_parttime occ_unempl
occ_notinlabm occ_selfempl relincome.
GET FILE='ZA4700_reduced.sav'.

SAVE OUTFILE='ZA4700_reduced.sav'
/KEEP cntr y2006 gov_jobs gov_unempl gov_income
gov_retire gov_housing gov_health age agesq
female edu_lesssec edu_sec edu_highersec
occ_fulltime occ_parttime occ_unempl
occ_notinlabm occ_selfempl selfemp relincome zrelincome
/COMPRESSED.

DATASET ACTIVATE DataSet8.
ADD FILES /FILE=*
/FILE='DataSet7'.
EXECUTE.

SAVE OUTFILE='ZA2900_ZA4700_reduced.sav'
/COMPRESSED.

GET FILE='ZA4700_reduced.sav'.
ADD FILES /FILE=*
/FILE='ZA2900_reduced.sav'.
EXECUTE.

SAVE OUTFILE='merged_data.sav'
/COMPRESSED .

DESCRIPTIVES age agesq female edu_lesssec edu_highersec occ_parttime occ_unempl
occ_notinlabm selfemp zrelincome y2006
gov_jobs gov_unempl gov_income gov_retire gov_housing gov_health .

do if y2006=0.
recode cntr

```

```
(36=21.3)
(124=17.2)
(250=10.5)
(276=11)
(372=7.3)
(392=1.086)
(554=16.2)
(578=5.4)
(724=2.6)
(752=10.3)
(756=20.9)
(826=7.2)
(840=10.7)
into foreignpct.
end if.
```

```
do if y2006=1.
  recode cntr
  (36=21.3)
  (124=19.5)
  (250=10.6)
  (276=12.9)
  (372=14.8)
  (392=1.564)
  (554=20.7)
  (578=8)
  (724=10.6)
  (752=12.3)
  (756=22.3)
  (826=9.7)
  (840=13.3)
  into foreignpct.
end if.
```

```
do if y2006=0.
  recode cntr
  (36=1.294909)
  (124=2.189593)
  (250=0.413969)
  (276=3.244507)
  (372=-0.03458)
  (392=0.377208)
  (554=3.883378)
  (578=0.973418)
  (724=0.821687)
  (752=1.707225)
  (756=3.222483)
  (826=0.288438)
  (840=2.465555)
  into netmigpct.
end if.
```

```
do if y2006=1.
  recode cntr
  (36=3.144091)
  (124=3.334562)
  (250=1.249477)
  (276=1.127769)
  (372=5.522926)
  (392=0.064185)
  (554=2.480079)
  (578=1.825211)
  (724=5.769343)
```

```
(752=2.063754)
(756=2.690054)
(826=1.573429)
(840=1.919101)
into netmigpct.
end if.
```

```
do if y2006=0.
recode cntr
(36=16.6)
(124=18)
(250=28.8)
(276=27)
(372=14.7)
(392=14.5)
(554=18.9)
(578=22.5)
(724=21.3)
(752=31.6)
(756=18)
(826=19.9)
(840=15.1)
into socwelex.
end if.
```

```
do if y2006=1.
recode cntr
(36=17.1)
(124=16.4)
(250=29.1)
(276=26.7)
(372=16.7)
(392=18.5)
(554=18.5)
(578=21.6)
(724=21.2)
(752=29.4)
(756=20.2)
(826=21.2)
(840=15.9)
into socwelex.
end if.
```

```
do if y2006=0.
recode cntr
(36=68.38308)
(124=66.95101)
(250=58.16968)
(276=64.15186)
(372=56.0561)
(392=74.41402)
(554=71.75603)
(578=74.37257)
(724=47.5752)
(752=70.34079)
(756=82.60143)
(826=68.31567)
(840=71.77013)
into emplrate.
end if.
```

```
do if y2006=1.
recode cntr
```

```

(36=72.97336)
(124=72.6968)
(250=61.84714)
(276=67.40676)
(372=69.33929)
(392=76.22028)
(554=76.01437)
(578=76.38436)
(724=64.84596)
(752=72.93346)
(756=84.54134)
(826=70.2231)
(840=71.92974)
into emplrate.
end if.

```

```

recode cntr (36=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_aus.
recode cntr (124=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_can.
recode cntr (250=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_fra.
recode cntr (276=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_ger.
recode cntr (372=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_ire.
recode cntr (392=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_jap.
recode cntr (578=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_no.
recode cntr (554=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_nz.
recode cntr (724=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_es.
recode cntr (752=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_sw.
recode cntr (756=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_ch.
recode cntr (826=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_uk.
recode cntr (840=1) (SYSMIS=SYSMIS) (ELSE=0) into cnt_us.
exec.

```

```

SAVE OUTFILE='merged_analyses.sav'
/COMPRESSED .

```

Team: 65
Software: SPSS
Version: ORIGINAL

```

GET FILE='merged_analyses.sav'.

```

```

DESCRIPTIVES gov_jobs gov_unempl gov_income gov_retire gov_housing gov_health .
DESCRIPTIVES foreignpct netmigpct socwelex emplrate .
DESCRIPTIVES age agesq female edu_lesssec edu_highersec
occ_parttime occ_unempl occ_notinlabm selfemp zrelincome .

```

```

LOGISTIC REGRESSION VARIABLES gov_jobs
/METHOD=ENTER age agesq female edu_lesssec edu_highersec occ_parttime occ_unempl
occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

```

```

LOGISTIC REGRESSION VARIABLES gov_jobs
/METHOD=ENTER foreignpct age agesq female edu_lesssec edu_highersec occ_parttime
occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

```

```

LOGISTIC REGRESSION VARIABLES gov_unempl

```

```
/METHOD=ENTER foreignpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_income  
/METHOD=ENTER foreignpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_retire  
/METHOD=ENTER foreignpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_housing  
/METHOD=ENTER foreignpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_health  
/METHOD=ENTER foreignpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_jobs  
/METHOD=ENTER foreignpct socwelex age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_unempl  
/METHOD=ENTER foreignpct socwelex age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_income  
/METHOD=ENTER foreignpct socwelex age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_retire  
/METHOD=ENTER foreignpct socwelex age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_housing
```

```
/METHOD=ENTER foreignpct socwelex age agesq female edu_lesssec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_health  
/METHOD=ENTER foreignpct socwelex age agesq female edu_lesssec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_jobs  
/METHOD=ENTER foreignpct emplrate age agesq female edu_lesssec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_unempl  
/METHOD=ENTER foreignpct emplrate age agesq female edu_lesssec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_income  
/METHOD=ENTER foreignpct emplrate age agesq female edu_lesssec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_retire  
/METHOD=ENTER foreignpct emplrate age agesq female edu_lesssec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_housing  
/METHOD=ENTER foreignpct emplrate age agesq female edu_lesssec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_health  
/METHOD=ENTER foreignpct emplrate age agesq female edu_lesssec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_jobs  
/METHOD=ENTER netmigpct age agesq female edu_lesssec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_unempl
```



```
/METHOD=ENTER netmigpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_income  
/METHOD=ENTER netmigpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_retire  
/METHOD=ENTER netmigpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_housing  
/METHOD=ENTER netmigpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_health  
/METHOD=ENTER netmigpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_jobs  
/METHOD=ENTER socwelex netmigpct age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_unempl  
/METHOD=ENTER socwelex netmigpct age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_income  
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occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_retire  
/METHOD=ENTER socwelex netmigpct age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_housing
```

```

/METHOD=ENTER socwelex netmigpct age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_health
/METHOD=ENTER socwelex netmigpct age agesq female edu_lessec edu_highersec
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selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_jobs
/METHOD=ENTER emplrate netmigpct age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_unempl
/METHOD=ENTER emplrate netmigpct age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_income
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
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LOGISTIC REGRESSION VARIABLES gov_retire
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
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LOGISTIC REGRESSION VARIABLES gov_housing
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
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LOGISTIC REGRESSION VARIABLES gov_health
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_jobs
/METHOD=ENTER foreignpct netmigpct age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_unempl

```

```

/METHOD=ENTER foreignpct netmigpct age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_income
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_retire
/METHOD=ENTER foreignpct netmigpct age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_housing
/METHOD=ENTER foreignpct netmigpct age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_health
/METHOD=ENTER foreignpct netmigpct age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

```

Team: 65

Software: SPSS

Version: CURATED

```

GET FILE='merged_analyses.sav'.

DESCRIPTIVES gov_jobs gov_unempl gov_income gov_retire gov_housing gov_health .
DESCRIPTIVES foreignpct netmigpct socwelex emplrate .
DESCRIPTIVES age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm selfemp zrelincome .

LOGISTIC REGRESSION VARIABLES gov_jobs
/METHOD=ENTER age agesq female edu_lessec edu_highersec occ_parttime occ_unempl
occ_notinlabm
selfemp zrelincome cntr y2006
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_jobs
/METHOD=ENTER foreignpct age agesq female edu_lessec edu_highersec occ_parttime
occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_unempl

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/METHOD=ENTER foreignpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

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LOGISTIC REGRESSION VARIABLES gov_income  
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occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
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```

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LOGISTIC REGRESSION VARIABLES gov_retire  
/METHOD=ENTER foreignpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

```
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/METHOD=ENTER foreignpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

```
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occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_jobs  
/METHOD=ENTER foreignpct socwelex age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

```
LOGISTIC REGRESSION VARIABLES gov_unempl  
/METHOD=ENTER foreignpct socwelex age agesq female edu_lessec edu_highersec  
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selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

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occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_retire  
/METHOD=ENTER foreignpct socwelex age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

```
LOGISTIC REGRESSION VARIABLES gov_housing
```

```

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selfemp zrelincome cntr y2006
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LOGISTIC REGRESSION VARIABLES gov_health
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selfemp zrelincome cntr y2006
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_jobs
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
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LOGISTIC REGRESSION VARIABLES gov_unempl
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selfemp zrelincome cntr y2006
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LOGISTIC REGRESSION VARIABLES gov_income
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selfemp zrelincome cntr y2006
/CONTRAST (cntr)=Indicator
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LOGISTIC REGRESSION VARIABLES gov_retire
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
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LOGISTIC REGRESSION VARIABLES gov_housing
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_jobs
/METHOD=ENTER netmigpct age agesq female edu_lessec edu_highersec occ_parttime
occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_unempl

```

```
/METHOD=ENTER netmigpct age agesq female edu_lessec edu_highersec occ_parttime  
occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_income  
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occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

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occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
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```

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LOGISTIC REGRESSION VARIABLES gov_housing  
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```
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occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

```
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occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

```
LOGISTIC REGRESSION VARIABLES gov_income  
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occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

```
LOGISTIC REGRESSION VARIABLES gov_retire  
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occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
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```

```
LOGISTIC REGRESSION VARIABLES gov_housing
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occ_parttime occ_unempl occ_notinlabm
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LOGISTIC REGRESSION VARIABLES gov_jobs
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LOGISTIC REGRESSION VARIABLES gov_unempl
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occ_parttime occ_unempl occ_notinlabm
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LOGISTIC REGRESSION VARIABLES gov_income
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
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LOGISTIC REGRESSION VARIABLES gov_retire
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
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LOGISTIC REGRESSION VARIABLES gov_housing
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occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
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LOGISTIC REGRESSION VARIABLES gov_health
/METHOD=ENTER emplrate netmigpct age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
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LOGISTIC REGRESSION VARIABLES gov_jobs
/METHOD=ENTER foreignpct netmigpct age agesq female edu_lessec edu_highersec
occ_parttime occ_unempl occ_notinlabm
selfemp zrelincome cntr y2006
/CONTRAST (cntr)=Indicator
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).

LOGISTIC REGRESSION VARIABLES gov_unempl

```

```
/METHOD=ENTER foreignpct netmigpct age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_income  
/METHOD=ENTER foreignpct netmigpct age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_retire  
/METHOD=ENTER foreignpct netmigpct age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_housing  
/METHOD=ENTER foreignpct netmigpct age agesq female edu_lessec edu_highersec  
occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

```
LOGISTIC REGRESSION VARIABLES gov_health  
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occ_parttime occ_unempl occ_notinlabm  
selfemp zrelincome cntr y2006  
/CONTRAST (cntr)=Indicator  
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```


Team: 66
Software: R
Version: ORIGINAL

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stopifnot(require(dplyr))
stopifnot(require(ggplot2))
stopifnot(require(readr))
stopifnot(require(reshape2))
stopifnot(require(forcats))
stopifnot(require(readxl))
stopifnot(require(plm))
stopifnot(require(lme4))

cri_1996 <- read_csv('ZA2900.csv')
cri_1996[!complete.cases(cri_1996),]
ndata <- na.omit(cri_1996)
nrow(ndata)

positions <- c('v1', 'v2', 'v3', 'v36', 'v41', 'v42', 'v39', 'v44', 'v38')
df <- cri_1996 %>%
  select(positions) %>%
  rename(jobs='v36') %>%
  rename(unemployment='v41') %>%
  rename(income='v42') %>%
  rename(retirement='v39') %>%
  rename(housing='v44') %>%
  rename(healthcare='v38') %>%
  rename(studyno='v1') %>%
  rename(country='v3') %>%
  rename(respondentid='v2') %>%
  na.omit()

fct_count(df$jobs)
coltobinary <- c('jobs', 'unemployment', 'income', 'retirement', 'housing',
  'healthcare')

df$jobs <- fct_collapse(df$jobs,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))
df$unemployment <- fct_collapse(df$unemployment,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))
df$income <- fct_collapse(df$income,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))
df$retirement <- fct_collapse(df$retirement,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))
df$housing <- fct_collapse(df$housing,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))
df$healthcare <- fct_collapse(df$healthcare,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))

indv <- read_csv('bradyfinnigan2014countrydata.csv')

findv <- indv %>%
  select(1:7, "country") %>%
  filter(year==1996)
```

```

df$country <- df$country %>%
  recode('aus' = 'Australia') %>%
  recode('cdn' = 'Canada') %>%
  recode('f' = 'France') %>%
  fct_collapse('Germany' = c('D-E', 'D-W')) %>%
  recode('irl' = 'Ireland') %>%
  recode('j' = 'Japan') %>%
  recode('nz' = 'New Zealand') %>%
  recode('n' = 'Norway') %>%
  recode('e' = 'Spain') %>%
  recode('s' = 'Sweden') %>%
  recode('ch' = 'Switzerland') %>%
  recode('usa' = "United States") %>%
  trimws()

cwc <- c('Australia', 'Canada', 'France', 'Germany', 'Ireland', 'Japan', 'New
Zealand', 'Norway', 'Spain', 'Sweden', 'Switzerland', 'United States')
df <- df[df$country %in% cwc,]

finaldf <- inner_join(df, findv, by="country")
write_csv(finaldf, "cri_df_1996.csv")

cri_2006 <- read_csv('ZA4700.csv')

positions <- c('V1', 'V2', 'V3a', 'V25', 'V30', 'V31', 'V28', 'V33', 'V27')
df <- cri_2006 %>%
  select(positions) %>%
  rename(jobs='V25') %>%
  rename(unemployment='V30') %>%
  rename(income='V31') %>%
  rename(retirement='V28') %>%
  rename(housing='V33') %>%
  rename(healthcare='V27') %>%
  rename(studyno='V1') %>%
  rename(country='V3a') %>%
  rename(respondentid='V2') %>%
  na.omit()

unique(df$jobs)
fct_count(df$jobs)
coltobinary <- c('jobs', 'unemployment', 'income', 'retirement', 'housing',
'healthcare')

df$jobs <- fct_collapse(df$jobs,
  "0" = c("Definitely should not be", "Probably should not
be"),
  "1" = c("Definitely should be", "Probably should be"))
df$unemployment <- fct_collapse(df$unemployment,
  "0" = c("Definitely should not be", "Probably should not
be"),
  "1" = c("Definitely should be", "Probably should be"))
df$income <- fct_collapse(df$income,
  "0" = c("Definitely should not be", "Probably should not
be"),
  "1" = c("Definitely should be", "Probably should be"))
df$retirement <- fct_collapse(df$retirement,
  "0" = c("Definitely should not be", "Probably should not
be"),
  "1" = c("Definitely should be", "Probably should be"))
df$housing <- fct_collapse(df$housing,
  "0" = c("Definitely should not be", "Probably should not
be"),

```

```

      "1" = c("Definitely should be", "Probably should be"))
df$healthcare <- fct_collapse(df$healthcare,
      "0" = c("Definitely should not be", "Probably should not
      be"),
      "1" = c("Definitely should be", "Probably should be"))

indv <- read_csv('bradyfinnigan2014countrydata.csv')

findv <- indv %>%
  select(1:7, "country") %>%
  filter(year==2006)

unique(df$country)
df$country <- df$country %>%
  recode('AU-Australia' = 'Australia') %>%
  recode('CA-Canada' = 'Canada') %>%
  recode('FR-France' = 'France') %>%
  recode('DE-Germany' = 'Germany') %>%
  recode('IE-Ireland' = 'Ireland') %>%
  recode('JP-Japan' = 'Japan') %>%
  recode('NZ-New Zealand' = 'New Zealand') %>%
  recode('NO-Norway' = 'Norway') %>%
  recode('ES-Spain' = 'Spain') %>%
  recode('SE-Sweden' = 'Sweden') %>%
  recode('CH-Switzerland' = 'Switzerland') %>%
  recode('US-United States' = "United States") %>%
  trimws()
table(df$country)

cwc <- c('Australia', 'Canada', 'France', 'Germany', 'Ireland', 'Japan', 'New
Zealand', 'Norway', 'Spain', 'Sweden', 'Switzerland', 'United States')
df <- df[df$country %in% cwc,]

finaldf <- inner_join(df, findv, by="country")
write_csv(finaldf, "cri_df_2006.csv")

cri_1996 <- read_csv('cri_df_1996.csv')

cri_2006 <- read_csv('cri_df_2006.csv')

cri_combined <- rbind(cri_1996, cri_2006)
nrow(cri_combined)
write_csv(cri_combined, "cri_df_combined.csv")

all <- read.csv("cri_df_combined.csv")

options(scipen=999)

fe_1 = glmer(jobs ~ (1 | respondentid) + (1 | country) + as.factor(year) + foreignpct,
  data = all, family = binomial)
summary(fe_1)

fe_2 = glmer(unemployment ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct, data = all, family = binomial)
summary(fe_2)

fe_3 = glmer(income ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct, data = all, family = binomial)
summary(fe_3)

fe_4 = glmer(retirement ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct, data = all, family = binomial)

```

```

summary(fe_4)

fe_5 = glmer(housing ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct, data = all, family = binomial)
summary(fe_5)

fe_6 = glmer(healthcare ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct, data = all, family = binomial)
summary(fe_6)

fe_7 = glmer(jobs ~ (1 | respondentid) + (1 | country) + as.factor(year) + foreignpct
  + socx, data = all, family = binomial)
summary(fe_7)

fe_8 = glmer(unemployment ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct + socx, data = all, family = binomial)
summary(fe_8)

fe_9 = glmer(income ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct + socx, data = all, family = binomial)
summary(fe_9)

fe_10 = glmer(retirement ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct + socx, data = all, family = binomial)
summary(fe_10)

fe_11 = glmer(housing ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct + socx, data = all, family = binomial)
summary(fe_11)

fe_12 = glmer(healthcare ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct + socx, data = all, family = binomial)
summary(fe_12)

fe_13 = glmer(jobs ~ (1 | respondentid) + (1 | country) + as.factor(year) + foreignpct
  + emprate, data = all, family = binomial)
summary(fe_13)

fe_14 = glmer(unemployment ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct + emprate, data = all, family = binomial)
summary(fe_14)

fe_15 = glmer(income ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct + emprate, data = all, family = binomial)
summary(fe_15)

fe_16 = glmer(retirement ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct + emprate, data = all, family = binomial)
summary(fe_16)

fe_17 = glmer(housing ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct + emprate, data = all, family = binomial)
summary(fe_17)

fe_18 = glmer(healthcare ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  foreignpct + emprate, data = all, family = binomial)
summary(fe_18)

all$netmig_pct <- (all$netmig / all$pop) * 100

fe_19 = glmer(jobs ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct, data = all, family = binomial)

```

```

summary(fe_19)

fe_20 = glmer(unemployment ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct, data = all, family = binomial)
summary(fe_20)

fe_21 = glmer(income ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct, data = all, family = binomial)
summary(fe_21)

fe_22 = glmer(retirement ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct, data = all, family = binomial)
summary(fe_22)

fe_23 = glmer(housing ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct, data = all, family = binomial)
summary(fe_23)

fe_24 = glmer(healthcare ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct, data = all, family = binomial)
summary(fe_24)

fe_25 = glmer(jobs ~ (1 | respondentid) + (1 | country) + as.factor(year) + netmig_pct
  + socx, data = all, family = binomial)
summary(fe_25)

fe_26 = glmer(unemployment ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + socx, data = all, family = binomial)
summary(fe_26)

fe_27 = glmer(income ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + socx, data = all, family = binomial)
summary(fe_27)

fe_28 = glmer(retirement ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + socx, data = all, family = binomial)
summary(fe_28)

fe_29 = glmer(housing ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + socx, data = all, family = binomial)
summary(fe_29)

fe_30 = glmer(healthcare ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + socx, data = all, family = binomial)
summary(fe_30)

fe_31 = glmer(jobs ~ (1 | respondentid) + (1 | country) + as.factor(year) + netmig_pct
  + emprate, data = all, family = binomial)
summary(fe_31)

fe_32 = glmer(unemployment ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + emprate, data = all, family = binomial)
summary(fe_32)

fe_33 = glmer(income ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + emprate, data = all, family = binomial)
summary(fe_33)

fe_34 = glmer(retirement ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + emprate, data = all, family = binomial)
summary(fe_34)

```

```

fe_35 = glmer(housing ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + emprate, data = all, family = binomial)
summary(fe_35)

fe_36 = glmer(healthcare ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + emprate, data = all, family = binomial)
summary(fe_36)

fe_37 = glmer(jobs ~ (1 | respondentid) + (1 | country) + as.factor(year) + netmig_pct
  + foreignpct, data = all, family = binomial)
summary(fe_37)

fe_38 = glmer(unemployment ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + foreignpct, data = all, family = binomial)
summary(fe_38)

fe_39 = glmer(income ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + foreignpct, data = all, family = binomial)
summary(fe_39)

fe_40 = glmer(retirement ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + foreignpct, data = all, family = binomial)
summary(fe_40)

fe_41 = glmer(housing ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + foreignpct, data = all, family = binomial)
summary(fe_41)

fe_42 = glmer(healthcare ~ (1 | respondentid) + (1 | country) + as.factor(year) +
  netmig_pct + foreignpct, data = all, family = binomial)
summary(fe_42)

```

Team: 66

Software: R

Version: CURATED

```

stopifnot(require(dplyr))
stopifnot(require(ggplot2))
stopifnot(require(readr))
stopifnot(require(reshape2))
stopifnot(require(forcats))
stopifnot(require(readxl))
stopifnot(require(plm))
stopifnot(require(lme4))
stopifnot(require(knitr))

cri_1996 <- read_csv('ZA2900.csv')
cri_1996[!complete.cases(cri_1996),]
ndata <- na.omit(cri_1996)
nrow(ndata)

positions <- c('v1', 'v2', 'v3', 'v36', 'v41', 'v42', 'v39', 'v44', 'v38')
df <- cri_1996 %>%
  select(positions) %>%
  rename(jobs='v36') %>%
  rename(unemployment='v41') %>%
  rename(income='v42') %>%
  rename(retirement='v39') %>%
  rename(housing='v44') %>%
  rename(healthcare='v38') %>%
  rename(studyno='v1') %>%
  rename(country='v3') %>%

```

```

    rename(respondentid='v2') %>%
    na.omit()

fct_count(df$jobs)
coltobinary <- c('jobs', 'unemployment', 'income', 'retirement', 'housing',
  'healthcare')

df$jobs <- fct_collapse(df$jobs,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))
df$unemployment <- fct_collapse(df$unemployment,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))
df$income <- fct_collapse(df$income,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))
df$retirement <- fct_collapse(df$retirement,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))
df$housing <- fct_collapse(df$housing,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))
df$healthcare <- fct_collapse(df$healthcare,
  "0" = c("Definitely not", "Probably not"),
  "1" = c("Definitely should", "Probably should"))

indv <- read_csv('bradyfinnigan2014countrydata.csv')

findv <- indv %>%
  select(1:7, "country") %>%
  filter(year==1996)

df$country <- df$country %>%
  recode('aus' = 'Australia') %>%
  recode('cdn' = 'Canada') %>%
  recode('f' = 'France') %>%
  fct_collapse('Germany' = c('D-E', 'D-W')) %>%
  recode('irl' = 'Ireland') %>%
  recode('j' = 'Japan') %>%
  recode('nz' = 'New Zealand') %>%
  recode('n' = 'Norway') %>%
  recode('e' = 'Spain') %>%
  recode('s' = 'Sweden') %>%
  recode('ch' = 'Switzerland') %>%
  recode('usa' = "United States") %>%
  recode('gb' = "United Kingdom") %>% # PI added
  trimws()

cwc <- c('Australia', 'United Kingdom', 'Canada', 'France', 'Germany', 'Ireland',
  'Japan', 'New Zealand', 'Norway', 'Spain', 'Sweden', 'Switzerland', 'United States')
df <- df[df$country %in% cwc,]

finaldf <- inner_join(df, findv, by="country")
write_csv(finaldf, "cri_df_1996.csv")

cri_2006 <- read_csv('ZA4700.csv')

positions <- c('V1', 'V2', 'V3a', 'V25', 'V30', 'V31', 'V28', 'V33', 'V27')
df <- cri_2006 %>%
  select(positions) %>%
  rename(jobs='V25') %>%
  rename(unemployment='V30') %>%

```

```

    rename(income='V31') %>%
    rename(retirement='V28') %>%
    rename(housing='V33') %>%
    rename(healthcare='V27') %>%
    rename(studyno='V1') %>%
    rename(country='V3a') %>%
    rename(respondentid='V2') %>%
    na.omit()

unique(df$jobs)
fct_count(df$jobs)
coltobinary <- c('jobs', 'unemployment', 'income', 'retirement', 'housing',
  'healthcare')

df$jobs <- fct_collapse(df$jobs,
  "0" = c("Definitely should not be", "Probably should not
  be"),
  "1" = c("Definitely should be", "Probably should be"))
df$unemployment <- fct_collapse(df$unemployment,
  "0" = c("Definitely should not be", "Probably should not
  be"),
  "1" = c("Definitely should be", "Probably should be"))
df$income <- fct_collapse(df$income,
  "0" = c("Definitely should not be", "Probably should not
  be"),
  "1" = c("Definitely should be", "Probably should be"))
df$retirement <- fct_collapse(df$retirement,
  "0" = c("Definitely should not be", "Probably should not
  be"),
  "1" = c("Definitely should be", "Probably should be"))
df$housing <- fct_collapse(df$housing,
  "0" = c("Definitely should not be", "Probably should not
  be"),
  "1" = c("Definitely should be", "Probably should be"))
df$healthcare <- fct_collapse(df$healthcare,
  "0" = c("Definitely should not be", "Probably should not
  be"),
  "1" = c("Definitely should be", "Probably should be"))

indv <- read_csv('bradyfinnigan2014countrydata.csv')

findv <- indv %>%
  select(1:7, "country") %>%
  filter(year==2006)

unique(df$country)
df$country <- df$country %>%
  recode('AU-Australia' = 'Australia') %>%
  recode('CA-Canada' = 'Canada') %>%
  recode('FR-France' = 'France') %>%
  recode('DE-Germany' = 'Germany') %>%
  recode('IE-Ireland' = 'Ireland') %>%
  recode('JP-Japan' = 'Japan') %>%
  recode('NZ-New Zealand' = 'New Zealand') %>%
  recode('NO-Norway' = 'Norway') %>%
  recode('ES-Spain' = 'Spain') %>%
  recode('SE-Sweden' = 'Sweden') %>%
  recode('CH-Switzerland' = 'Switzerland') %>%
  recode('US-United States' = "United States") %>%
  recode('GB-Great Britain' = "United Kingdom") %>%
  trimws()
table(df$country)

```



```

cwc <- c('Australia', 'Canada', 'France', 'Germany', 'Ireland', 'Japan', 'New
Zealand', 'Norway', 'Spain', 'Sweden', 'Switzerland', 'United States', 'United
Kingdom')
df <- df[df$country %in% cwc,]

finaldf <- inner_join(df, findv, by="country")
write_csv(finaldf, "cri_df_2006.csv")

cri_1996 <- read_csv('cri_df_1996.csv')

cri_2006 <- read_csv('cri_df_2006.csv')

cri_combined <- rbind(cri_1996, cri_2006)
nrow(cri_combined)
write_csv(cri_combined, "cri_df_combined.csv")

all <- read.csv("cri_df_combined.csv")

options(scipen=999)

fe_1 = glmer(jobs ~ (1 | country) + as.factor(year) + foreignpct, data = all, family =
  binomial)

fe_2 = glmer(unemployment ~ (1 | country) + as.factor(year) + foreignpct, data = all,
  family = binomial)

fe_3 = glmer(income ~ (1 | country) + as.factor(year) + foreignpct, data = all, family
  = binomial)

fe_4 = glmer(retirement ~ (1 | country) + as.factor(year) + foreignpct, data = all,
  family = binomial)

fe_5 = glmer(housing ~ (1 | country) + as.factor(year) + foreignpct, data = all,
  family = binomial)

fe_6 = glmer(healthcare ~ (1 | country) + as.factor(year) + foreignpct, data = all,
  family = binomial)

fe_7 = glmer(jobs ~ (1 | country) + as.factor(year) + foreignpct + socx, data = all,
  family = binomial)

fe_8 = glmer(unemployment ~ (1 | country) + as.factor(year) + foreignpct + socx, data
  = all, family = binomial)

fe_9 = glmer(income ~ (1 | country) + as.factor(year) + foreignpct + socx, data =
  all, family = binomial)

fe_10 = glmer(retirement ~ (1 | country) + as.factor(year) + foreignpct + socx, data
  = all, family = binomial)

fe_11 = glmer(housing ~ (1 | country) + as.factor(year) + foreignpct + socx, data =
  all, family = binomial)

```

```

fe_12 = glmer(healthcare ~ (1 | country) + as.factor(year) + foreignpct + socx, data
= all, family = binomial)

fe_13 = glmer(jobs ~ (1 | country) + as.factor(year) + foreignpct + emprate, data =
all, family = binomial)

fe_14 = glmer(unemployment ~ (1 | country) + as.factor(year) + foreignpct + emprate,
data = all, family = binomial)

fe_15 = glmer(income ~ (1 | country) + as.factor(year) + foreignpct + emprate, data =
all, family = binomial)

fe_16 = glmer(retirement ~ (1 | country) + as.factor(year) + foreignpct + emprate,
data = all, family = binomial)

fe_17 = glmer(housing ~ (1 | country) + as.factor(year) + foreignpct + emprate, data
= all, family = binomial)

fe_18 = glmer(healthcare ~ (1 | country) + as.factor(year) + foreignpct + emprate,
data = all, family = binomial)

all$netmig_pct <- (all$netmig / all$pop) * 100

fe_19 = glmer(jobs ~ (1 | country) + as.factor(year) + netmig_pct, data = all, family
= binomial)
summary(fe_19)

fe_20 = glmer(unemployment ~ (1 | country) + as.factor(year) + netmig_pct, data =
all, family = binomial)
summary(fe_20)

fe_21 = glmer(income ~ (1 | country) + as.factor(year) + netmig_pct, data = all,
family = binomial)
summary(fe_21)

fe_22 = glmer(retirement ~ (1 | country) + as.factor(year) + netmig_pct, data = all,
family = binomial)
summary(fe_22)

fe_23 = glmer(housing ~ (1 | country) + as.factor(year) + netmig_pct, data = all,
family = binomial)
summary(fe_23)

fe_24 = glmer(healthcare ~ (1 | country) + as.factor(year) + netmig_pct, data = all,
family = binomial)
summary(fe_24)

fe_25 = glmer(jobs ~ (1 | country) + as.factor(year) + netmig_pct + socx, data = all,
family = binomial)
summary(fe_25)

fe_26 = glmer(unemployment ~ (1 | country) + as.factor(year) + netmig_pct + socx,
data = all, family = binomial)
summary(fe_26)

```

```

fe_27 = glmer(income ~ (1 | country) + as.factor(year) + netmig_pct + socx, data =
  all, family = binomial)
summary(fe_27)

fe_28 = glmer(retirement ~ (1 | country) + as.factor(year) + netmig_pct + socx, data
  = all, family = binomial)
summary(fe_28)

fe_29 = glmer(housing ~ (1 | country) + as.factor(year) + netmig_pct + socx, data =
  all, family = binomial)
summary(fe_29)

fe_30 = glmer(healthcare ~ (1 | country) + as.factor(year) + netmig_pct + socx, data
  = all, family = binomial)
summary(fe_30)

fe_31 = glmer(jobs ~ (1 | country) + as.factor(year) + netmig_pct + emprate, data =
  all, family = binomial)
summary(fe_31)

fe_32 = glmer(unemployment ~ (1 | country) + as.factor(year) + netmig_pct + emprate,
  data = all, family = binomial)
summary(fe_32)

fe_33 = glmer(income ~ (1 | country) + as.factor(year) + netmig_pct + emprate, data =
  all, family = binomial)
summary(fe_33)

fe_34 = glmer(retirement ~ (1 | country) + as.factor(year) + netmig_pct + emprate,
  data = all, family = binomial)
summary(fe_34)

fe_35 = glmer(housing ~ (1 | country) + as.factor(year) + netmig_pct + emprate, data
  = all, family = binomial)
summary(fe_35)

fe_36 = glmer(healthcare ~ (1 | country) + as.factor(year) + netmig_pct + emprate,
  data = all, family = binomial)
summary(fe_36)

fe_37 = glmer(jobs ~ (1 | country) + as.factor(year) + netmig_pct + foreignpct, data
  = all, family = binomial)
summary(fe_37)

fe_38 = glmer(unemployment ~ (1 | country) + as.factor(year) + netmig_pct +
  foreignpct, data = all, family = binomial)
summary(fe_38)

fe_39 = glmer(income ~ (1 | country) + as.factor(year) + netmig_pct + foreignpct,
  data = all, family = binomial)
summary(fe_39)

fe_40 = glmer(retirement ~ (1 | country) + as.factor(year) + netmig_pct + foreignpct,
  data = all, family = binomial)
summary(fe_40)

fe_41 = glmer(housing ~ (1 | country) + as.factor(year) + netmig_pct + foreignpct,
  data = all, family = binomial)
summary(fe_41)

fe_42 = glmer(healthcare ~ (1 | country) + as.factor(year) + netmig_pct + foreignpct,
  data = all, family = binomial)

```

```
summary(fe_42)

library(jtools)
library(huxtable)

export_summs(fe_1, fe_2, fe_3, fe_4,
             fe_5, fe_6, fe_7, fe_8,
             fe_9, fe_10, fe_11, fe_12,
             fe_13, fe_14, fe_15, fe_16,
             fe_17, fe_18, exp=T, r.squared=F, error_format = "{statistic}",
             to.file = 'xlsx', file.name = 'restab.xlsx', digits =3)
export_summs(fe_19, fe_20,
             fe_21, fe_22, fe_23, fe_24,
             fe_25, fe_26, fe_27, fe_28,
             fe_29, fe_30, fe_31, fe_32,
             fe_33, fe_34, fe_35, fe_36,
             fe_37, fe_38, fe_39, fe_40,
             fe_41, fe_42, exp=T, r.squared=F, error_format = "{statistic}",
             to.file = 'xlsx', file.name = 'restab5.xlsx', digits =3)
```

Team: 67
Software: R
Version: ORIGINAL

```
install.packages("jetpack")
jetpack::init()
jetpack::add("readr")
jetpack::add("dplyr")
jetpack::add("stringr")
library(dplyr)
library(readr)

l2 <- readr::read_csv(paste0(folder, "L2data.csv"))
za29 <- readr::read_csv(paste0(folder, "ZA2900.csv"))
za47 <- readr::read_csv(paste0(folder, "ZA4700.csv"))

za29 <- za29 %>%
  select(old_age_care = v39, unemployed = v41, reduce_income_diff = v42,
         jobs = v36, female = v200, age = v201, education = v205,
         employment = v206, country = v3) %>%
  mutate(country = case_when(
    country == 'aus' ~ 'Australia',
    country == 'usa' ~ 'United_States',
    country == 'nz' ~ 'New_Zealand',
    country == 'irl' ~ 'Ireland',
    country == 'cz' ~ 'Czech_Republic',
    country == 'h' ~ 'Hungary',
    country == 'gb' ~ 'Great_Britain',
    country == 'bg' ~ 'Bulgaria',
    country == 'cy' ~ 'Cyprus',
    country == 'i' ~ 'Italy',
    country == 'IL-J' ~ 'Israel',
    country == 'IL-A' ~ 'Israel',
    country == 'D-W' ~ 'Germany',
    country == 'D-E' ~ 'Germany',
    country == 'n' ~ 'Norway',
    country == 'slo' ~ 'Slovenia',
    country == 'f' ~ 'France',
    country == 'lv' ~ 'Latvia',
    country == 'j' ~ 'Japan',
    country == 'rp' ~ 'Philippines',
    country == 'rus' ~ 'Russia',
    country == 'rch' ~ 'Chile',
    country == 'e' ~ 'Spain',
    country == 'cdn' ~ 'Canada',
    country == 'pl' ~ 'Poland',
    country == 's' ~ 'Sweden',
    country == 'ch' ~ 'Switzerland'
  ),
  female = ifelse(female == 'Female', 1,
                  ifelse(female == 'Male', 0, female)),
  female = as.numeric(female),
  education = case_when(
    education %in%
      c("University compl", "Semi-higher, Incpl uni.") ~
        "University or more",
    education %in% c("Incpl secondary", "Secondary compl") ~
      "Secondary",
    TRUE ~ "Primary or less"),
  employment = case_when(
```

```

    employment == "Full-time employed,main job" ~ 'Full-time',
    employment == "Part-time employed,main job" ~ 'Part-time',
    employment == "Unemployed" ~ 'Active unemployed',
    TRUE ~ 'Not active'),
  year = '1996',
  year = as.numeric(year)
) %>%
mutate_at(1:4, function(x) case_when(
  x %in% c("Definitely should", "Probably should") ~ '1',
  TRUE ~ '0')) %>%
mutate_at(1:4, as.numeric)

za47 <- za47 %>%
  select(old_age_care = V28, unemployed = V30, reduce_income_diff = V31,
    jobs = V25, female = sex, age, education = degree,
    employment = spwrkst, country = V3a) %>%
  mutate(country = stringr::str_extract(country, '-[A-Za-z ]*'),
    country = stringr::str_remove(country, '-'),
    country = stringr::str_replace(country, ' ',
      replacement = '_'),
    female = ifelse(female == 'Female', 1,
      ifelse(female == 'Male', 0, female)),
    female = as.numeric(female),
    education = case_when(
      education %in%
        c("Higher secondary completed",
          "Above higher secondary level,other qualification") ~
          "Secondary",
      education == "University degree completed, graduate studies"
        ~ "University or more",
      TRUE ~ "Primary or less"),
    employment = case_when(
      employment == "Full-time employed,main job" ~ 'Full-time',
      employment == "Part-time employed,main job" ~ 'Part-time',
      employment == "Unemployed" ~ 'Active unemployed',
      TRUE ~ 'Not active'),
    year = '2006',
    year = as.numeric(year)
  ) %>%
  filter(!is.na(country)) %>%
  mutate_at(1:4, function(x) case_when(
    x %in% c("Definitely should", "Probably should") ~ '1',
    TRUE ~ '0')) %>% # NA question arises here
  mutate_at(1:4, as.numeric)

za <- bind_rows(za29, za47)

za <- za %>%
  filter(country %in% c("Australia", "Canada", "France", "Germany",
    "Great_Britain",
    "Israel", "Japan", "New_Zealand", "Norway", "Spain",
    "Sweden", "Switzerland", "United_States"))

table(za$country)

readr::write_csv(za, "za.csv")

l2 <- l2 %>%
  mutate(country = case_when(
    country == 'Czech Republic' ~ 'Czech_Republic',
    country == 'Isreal' ~ 'Israel',
    country == 'New Zealand' ~ 'New_Zealand',

```

```

country == 'United Kingdom' ~ 'Great_Britain',
country == 'United States' ~ 'United_States',
country == 'South Korea' ~ 'South_Korea',
TRUE ~ country))

l2 <- l2 %>%
  select(employment_rate = emprate, immigrant_stock = foreignpct,
         welfare_expenditures = socx, change_immigrant_stock = netmigpct,
         year, country) %>% mutate_at(1:5, as.numeric)

df <- left_join(za, l2, by = c("country", "year"))

df <- within(df, education <- relevel(as.factor(education), ref = "Secondary"))
df <- within(df, employment <- relevel(as.factor(employment), ref = "Full-time"))
df <- df %>% select(year, country, everything()) %>% arrange(country, year)

haven::write_dta(df, 'combined_data.dta')

summary(m1 <- glm(old_age_care ~ immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m1))

summary(m2 <- glm(unemployed ~ immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m2))

summary(m3 <- glm(reduce_income_diff ~ immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m3))

summary(m4 <- glm(jobs ~ immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m4))

summary(m5 <- glm(old_age_care ~ immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m5))

summary(m6 <- glm(unemployed ~ immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m6))

summary(m7 <- glm(reduce_income_diff ~ immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m7))

summary(m8 <- glm(jobs ~ immigrant_stock + welfare_expenditures +

```

```

        female + age + I(age^2) + education + employment +
        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))
exp(coef(m8))

summary(m9 <- glm(old_age_care ~ immigrant_stock + employment_rate +
        female + age + I(age^2) + education + employment +
        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))
exp(coef(m9))

summary(m10 <- glm(unemployed ~ immigrant_stock + employment_rate +
        female + age + I(age^2) + education + employment +
        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))
exp(coef(m10))

summary(m11 <- glm(reduce_income_diff ~ immigrant_stock + employment_rate +
        female + age + I(age^2) + education + employment +
        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))
exp(coef(m11))

summary(m12 <- glm(jobs ~ immigrant_stock + employment_rate +
        female + age + I(age^2) + education + employment +
        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))
exp(coef(m12))

summary(m13 <- glm(old_age_care ~ change_immigrant_stock +
        female + age + I(age^2) + education + employment +
        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))
exp(coef(m13))

summary(m14 <- glm(unemployed ~ change_immigrant_stock +
        female + age + I(age^2) + education + employment +
        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))
exp(coef(m14))

summary(m15 <- glm(reduce_income_diff ~ change_immigrant_stock +
        female + age + I(age^2) + education + employment +
        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))
exp(coef(m15))

summary(m16 <- glm(jobs ~ change_immigrant_stock +
        female + age + I(age^2) + education + employment +
        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))
exp(coef(m16))

summary(m17 <- glm(old_age_care ~ change_immigrant_stock + welfare_expenditures +
        female + age + I(age^2) + education + employment +
        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))
exp(coef(m17))

```



```

summary(m18 <- glm(unemployed ~ change_immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m18))

summary(m19 <- glm(reduce_income_diff ~ change_immigrant_stock + welfare_expenditures
  +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m19))

summary(m20 <- glm(jobs ~ change_immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m20))

summary(m21 <- glm(old_age_care ~ change_immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m21))

summary(m22 <- glm(unemployed ~ change_immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m22))

summary(m23 <- glm(reduce_income_diff ~ change_immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m23))

summary(m24 <- glm(jobs ~ change_immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))
exp(coef(m24))

```

Team: 67
Software: R
Version: CURATED

```

library("readr")
library("dplyr")
library("stringr")
library("foreign")
library("texreg")

l2 <- read.csv("L2data.csv", header = T)
za29 <- foreign::read.dta("ZA2900.dta")
za47 <- foreign::read.dta("ZA4700.dta")

za29 <- za29 %>%
  select(old_age_care = v39, unemployed = v41, reduce_income_diff = v42,
    jobs = v36, female = v200, age = v201, education = v205,

```

```

      employment = v206, country = v3)

za29 <- za29 %>%
  mutate(country = case_when(
    country == 'aus' ~ 'Australia',
    country == 'usa' ~ 'United States',
    country == 'nz' ~ 'New Zealand',
    country == 'irl' ~ 'Ireland',
    country == 'cz' ~ 'Czech Republic',
    country == 'h' ~ 'Hungary',
    country == 'gb' ~ 'Great Britain',
    country == 'bg' ~ 'Bulgaria',
    country == 'cy' ~ 'Cyprus',
    country == 'i' ~ 'Italy',
    country == 'IL-J' ~ 'Israel',
    country == 'IL-A' ~ 'Israel',
    country == 'D-W' ~ 'Germany',
    country == 'D-E' ~ 'Germany',
    country == 'n' ~ 'Norway',
    country == 'slo' ~ 'Slovenia',
    country == 'f' ~ 'France',
    country == 'lv' ~ 'Latvia',
    country == 'j' ~ 'Japan',
    country == 'rp' ~ 'Philippines',
    country == 'rus' ~ 'Russia',
    country == 'rch' ~ 'Chile',
    country == 'e' ~ 'Spain',
    country == 'cdn' ~ 'Canada',
    country == 'pl' ~ 'Poland',
    country == 's' ~ 'Sweden',
    country == 'ch' ~ 'Switzerland'
  ),
  female = ifelse(female == 'Female', 1,
    ifelse(female == 'Male', 0, female)),
  female = as.numeric(female),
  education = case_when(
    education %in%
      c("University compl", "Semi-higher, Incpl uni.") ~
        "University or more",
    education %in% c("Incpl secondary", "Secondary compl") ~
      "Secondary",
    TRUE ~ "Primary or less"),
  employment = case_when(
    employment == "Full-time employed, main job" ~ 'Full-time',
    employment == "Part-time employed, main job" ~ 'Part-time',
    employment == "Unemployed" ~ 'Active unemployed',
    TRUE ~ 'Not active'),
  year = '1996',
  year = as.numeric(year))

za29 <- za29 %>%
  mutate_at(c(1:4), function(x) case_when(
    x %in% c("Definitely should", "Probably should") ~ '1',
    TRUE ~ '0')) %>%
  mutate_at(c(1:4), as.numeric)

za47 <- za47 %>%
  dplyr::select(old_age_care = V28, unemployed = V30, reduce_income_diff = V31,
    jobs = V25, female = sex, age, education = degree,
    employment = spwrkst, country = V3a)
za47 <- za47 %>%

```

```

mutate(country = stringr::str_extract(country, '-[A-Za-z ]*'),
       country = stringr::str_remove(country, '-'),
       country = stringr::str_replace(country, ' ',
                                     replacement = '_'),
       female = ifelse(female == 'Female', 1,
                      ifelse(female == 'Male', 0, female)),
       female = as.numeric(female),
       education = case_when(
         education %in%
           c("Higher secondary completed",
             "Above higher secondary level, other qualification") ~
             "Secondary",
         education == "University degree completed, graduate studies"
           ~ "University or more",
         TRUE ~ "Primary or less"),
       employment = case_when(
         employment == "Full-time employed, main job" ~ 'Full-time',
         employment == "Part-time employed, main job" ~ 'Part-time',
         employment == "Unemployed" ~ 'Active unemployed',
         TRUE ~ 'Not active'),
       year = '2006',
       year = as.numeric(year)
     ) %>%
filter(!is.na(country))

za47 <- za47 %>%
  mutate_at(c(1:4), as.character)

za47 <- za47 %>%
  mutate_at(c(1:4), function(x) case_when(
    x %in% c("Definitely should be", "Probably should be") ~ '1',
    TRUE ~ '0'))

za47 <- za47 %>%
  mutate_at(c(1:4), as.numeric)

za <- bind_rows(za29, za47)

za <- za %>%
  filter(country %in% c("Australia", "Canada", "France", "Germany",
    "Great_Britain",
    "Israel", "Japan", "New_Zealand", "Norway", "Spain",
    "Sweden", "Switzerland", "United_States"))

table(za$country)

l2 <- l2 %>%
  mutate(country = case_when(
    country == 'Czech Republic' ~ 'Czech_Republic',
    country == 'Isreal' ~ 'Israel',
    country == 'New Zealand' ~ 'New_Zealand',
    country == 'United Kingdom' ~ 'Great_Britain',
    country == 'United States' ~ 'United_States',
    country == 'South Korea' ~ 'South_Korea',
    TRUE ~ country))

l2 <- l2 %>%
  dplyr::select(employment_rate = emprate, immigrant_stock = foreignpct,
    welfare_expenditures = socx, change_immigrant_stock = netmigpct,
    year, country) %>% mutate_at(1:5, as.numeric)

df <- left_join(za, l2, by = c("country", "year"))

```

```

df <- within(df, education <- relevel(as.factor(education), ref = "Secondary"))
df <- within(df, employment <- relevel(as.factor(employment), ref = "Full-time"))
df <- df %>% select(year, country, everything()) %>% arrange(country, year)

#write.dta(df, 'combined_data.dta')

summary(m1 <- glm(old_age_care ~ immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m3 <- glm(unemployed ~ immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m2 <- glm(reduce_income_diff ~ immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m4 <- glm(jobs ~ immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m5 <- glm(old_age_care ~ immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m7 <- glm(unemployed ~ immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m6 <- glm(reduce_income_diff ~ immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m8 <- glm(jobs ~ immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m9 <- glm(old_age_care ~ immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m11 <- glm(unemployed ~ immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m10 <- glm(reduce_income_diff ~ immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +

```

```

        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))

summary(m12 <- glm(jobs ~ immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m13 <- glm(old_age_care ~ change_immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m15 <- glm(unemployed ~ change_immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m14 <- glm(reduce_income_diff ~ change_immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m16 <- glm(jobs ~ change_immigrant_stock +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m17 <- glm(old_age_care ~ change_immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m19 <- glm(unemployed ~ change_immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m18 <- glm(reduce_income_diff ~ change_immigrant_stock + welfare_expenditures
+
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m20 <- glm(jobs ~ change_immigrant_stock + welfare_expenditures +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m21 <- glm(old_age_care ~ change_immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m23 <- glm(unemployed ~ change_immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

summary(m22 <- glm(reduce_income_diff ~ change_immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +

```

```

        factor(year) + factor(country),
        data = df, family = binomial(link = "logit")))

summary(m24 <- glm(jobs ~ change_immigrant_stock + employment_rate +
  female + age + I(age^2) + education + employment +
  factor(year) + factor(country),
  data = df, family = binomial(link = "logit")))

models <- list(m1, m2, m3, m4, m5, m6, m7, m8, m9, m10, m11, m12)
htmlreg(models,
  override.coef = lapply(models, function(x) exp(coef(x))),
  override.se = lapply(models, function(x) coef(x)/sqrt(diag(vcov(x)))),
  caption.above = TRUE, omit.coef = "(factor)|(edu)|(female)|(age)",
  single.row = FALSE, stars = c(0.001, 0.01, 0.05),
  digits = 3,
  file = "table_80.doc")

models2 <- list(m13, m14, m15, m16, m17, m18, m19, m20, m21, m22, m23, m24)
htmlreg(models2,
  override.coef = lapply(models2, function(x) exp(coef(x))),
  override.se = lapply(models2, function(x) coef(x)/sqrt(diag(vcov(x)))),
  caption.above = TRUE, omit.coef = "(factor)|(edu)|(female)|(age)",
  single.row = FALSE, stars = c(0.001, 0.01, 0.05),
  digits = 3,
  file = "table2_80.doc")

```

Team: 68
Software: R
Version: ORIGINAL

```
pacman::p_load(
  dplyr,
  tidyverse,
  foreign,
  readxl,
  kableExtra)

issp1996 <- read.csv2(file="ZA2900.csv",
                      header = TRUE, sep=",")

issp1996$old.age.care <- issp1996$v39
issp1996$old.age.care <- recode(issp1996$old.age.care,
                                "Definitely should" = "1",
                                "Probably should" = "1",
                                "Probably not" = "0",
                                "Definitely not" = "0",
                                .default = "NA")
issp1996$old.age.care <- as.numeric(as.character(issp1996$old.age.care))
kable(table(issp1996$old.age.care, issp1996$v39))

issp1996$unemployed <- issp1996$v41
issp1996$unemployed <- recode(issp1996$unemployed,
                                "Definitely should" = "1",
                                "Probably should" = "1",
                                "Probably not" = "0",
                                "Definitely not" = "0",
                                .default = "NA")
issp1996$unemployed <- as.numeric(as.character(issp1996$unemployed))
kable(table(issp1996$unemployed, issp1996$v41))

issp1996$reduce.income.differences <- issp1996$v42
issp1996$reduce.income.differences <- recode(issp1996$reduce.income.differences,
                                                "Definitely should" = "1",
                                                "Probably should" = "1",
                                                "Probably not" = "0",
                                                "Definitely not" = "0",
                                                .default = "NA")
issp1996$reduce.income.differences <-
as.numeric(as.character(issp1996$reduce.income.differences))
kable(table(issp1996$reduce.income.differences, issp1996$v42))

issp1996$jobs.for.everyone <- issp1996$v36
issp1996$jobs.for.everyone <- issp1996$v36
issp1996$jobs.for.everyone <- recode(issp1996$jobs.for.everyone,
                                    "Definitely should" = "1",
                                    "Probably should" = "1",
                                    "Probably not" = "0",
                                    "Definitely not" = "0",
                                    .default = "NA")
issp1996$jobs.for.everyone <- as.numeric(as.character(issp1996$jobs.for.everyone))
kable(table(issp1996$jobs.for.everyone, issp1996$v36))

issp1996$year <- 1996

issp1996$female <- if_else(issp1996$v200 == "Female", 1, 0)
```



```

        "Probably should be" = "1",
        "Probably should not be" = "0",
        "Definitely should not be" = "0",
        .default = "NA")
issp2006$unemployed <- as.numeric(as.character(issp2006$unemployed))
kable(table(issp2006$unemployed, issp2006$V30))

issp2006$reduce.income.differences <- issp2006$V31
issp2006$reduce.income.differences <- recode(issp2006$reduce.income.differences,
        "Definitely should be" = "1",
        "Probably should be" = "1",
        "Probably should not be" = "0",
        "Definitely should not be" = "0",
        .default = "NA")
issp2006$reduce.income.differences <-
as.numeric(as.character(issp2006$reduce.income.differences))
kable(table(issp2006$reduce.income.differences, issp2006$V31))

issp2006$jobs.for.everyone <- issp2006$V25
issp2006$jobs.for.everyone <- recode(issp2006$jobs.for.everyone,
        "Definitely should be" = "1",
        "Probably should be" = "1",
        "Probably should not be" = "0",
        "Definitely should not be" = "0",
        .default = "NA")
issp2006$jobs.for.everyone <- as.numeric(as.character(issp2006$jobs.for.everyone))
kable(table(issp2006$jobs.for.everyone, issp2006$V25))

issp2006$age2 <- issp2006$age^2

issp2006$year <- 2006

issp2006$female <- if_else(issp2006$sex == "Female", 1, 0)
kable(table(issp2006$female, issp2006$sex))

issp2006$education <- NA
issp2006$degree_num <- as.numeric(issp2006$degree)

issp2006$education[issp2006$degree_num==2 |
        issp2006$degree_num==3 |
        issp2006$degree_num==4] <- 1
issp2006$education[issp2006$degree_num==5 ] <- 2
issp2006$education[issp2006$degree_num==6 | issp2006$degree_num==7 ] <- 3
issp2006$education <- factor(issp2006$education,
        labels = c("primary or less", "secondary",
        "university or more"))
kable(table(issp2006$education, issp2006$degree_num))

issp2006$employment <- NA
issp2006$wrkst_num <- as.numeric(issp2006$wrkst)

issp2006$employment[issp2006$wrkst_num==2] <- 1
issp2006$employment[issp2006$wrkst_num==3] <- 2
issp2006$employment[issp2006$wrkst_num== 4 |
        issp2006$wrkst_num==5 |
        issp2006$wrkst_num==7 |
        issp2006$wrkst_num==8 |
        issp2006$wrkst_num==9 |
        issp2006$wrkst_num==10 |
        issp2006$wrkst_num==11] <- 3
issp2006$employment[issp2006$wrkst_num==6 ] <- 4
issp2006$employment <- as.factor(issp2006$employment)

```

```

issp2006$employment <- factor(issp2006$employment,
                              labels = c("full-time", "part-time", "not active",
                                           "active unemployed"))
kable(table(issp2006$employment, issp2006$wrkst_num))

issp2006$id <- issp2006$V2

issp2006$country <- as.character(issp2006$V3)

issp2006 <- issp2006 %>% select(one_of("year", "id", "female", "age", "education",
                                         "employment", "country", "old.age.care",
                                         "unemployed", "reduce.income.differences",
                                         "jobs.for.everyone", "age2"))

issp1996$country <- recode(issp1996$country,
                          "aus" = "Australia",
                          "cdn" = "Canada",
                          "ch" = "Switzerland",
                          "D-E" = "Germany",
                          "D-W" = "Germany",
                          "e" = "Spain",
                          "f" = "France",
                          "gb" = "United Kingdom",
                          "IL-A" = "Israel",
                          "IL-J" = "Israel",
                          "n" = "Norway",
                          "nz" = "New Zealand",
                          "usa" = "United States",
                          "s" = "Sweden",
                          "j" = "Japan",
                          "nirl" = "Northern Ireland",
                          "a" = "Austria",
                          "h" = "Hungary",
                          "i" = "Italy",
                          "irl" = "Ireland",
                          "nl" = "Netherlands",
                          "cz" = "Czech Republic",
                          "slo" = "Slovenia",
                          "pl" = "Poland",
                          "bg" = "Bulgaria",
                          "rus" = "Russia",
                          "rp" = "Philippines",
                          "lv" = "Latvia",
                          "cy" = "Cyprus")

issp2006$country <- sub(".*-", "", issp2006$country)
issp2006$country <- recode(issp2006$country,
                          "276.1" = "Germany",
                          "276.2" = "Germany",
                          "826.1" = "United Kingdom",
                          "376.1" = "Israel",
                          "376.2" = "Israel") # (arabs and jews)

country.sample <- c("Australia", "Canada", "Switzerland",
                    "Germany", "Spain", "France",
                    "United Kingdom", "Israel", "Norway",
                    "New Zealand", "Ireland",
                    "Sweden", "Japan")

issp1996 <- issp1996 %>% filter(country %in% country.sample)
issp2006 <- issp2006 %>% filter(country %in% country.sample)

```

```

issp.data <- bind_rows(issp1996, issp2006)

countrylevel.data <- read.csv(file="L2data.csv")
countrylevel.data$country_chr <- as.character(countrylevel.data$country)

countrylevel.data <- countrylevel.data %>% filter(country_chr %in% country.sample)

countrylevel.data <- countrylevel.data %>% rename("employment.rate" = "emprate",
          "immigrant.stock" = "foreignpct",
          "social.expenditures" = "socx",
          "immigrant.stock.change" = "netmigpct")

issp.data$year.lvl1 <- issp.data$year
countrylevel.data$year.lvl2 <- countrylevel.data$year
data <- left_join(issp.data, countrylevel.data, by = c("country", "year"))
table(data$country)

summary.stats <- data %>% select(-year.lvl1, -year.lvl2, - country, -id, -cntry)
%>% filter(year == 1996)
stargazer::stargazer(summary.stats,
                      summary = TRUE,
                      type="latex",
                      label = "tab:summary1996",
                      font.size="footnotesize",
                      table.placement="H",
                      #column.sep.width = "5pt",
                      title = "Summary statistics 1996",
                      digits = 2,
                      rownames = FALSE,
                      header=FALSE,
                      notes = "\\parbox[t]{7cm}{Note: Summary statistics for numeric
variables.}", #\\textwidth
                      notes.append = FALSE,
                      notes.align = "l")

summary.stats <- data %>% select(-year.lvl1, -year.lvl2, - country, -id, -cntry)
%>% filter(year == 2006)
stargazer::stargazer(summary.stats,
                      summary = TRUE,
                      type="latex",
                      label = "tab:summary2006",
                      font.size="footnotesize",
                      table.placement="H",
                      #column.sep.width = "5pt",
                      title = "Summary statistics 2006",
                      digits = 2,
                      rownames = FALSE,
                      header=FALSE,
                      notes = "\\parbox[t]{7cm}{Note: Summary statistics for numeric
variables.}", #\\textwidth
                      notes.append = FALSE,
                      notes.align = "l")

data.summary <- data %>% na.omit(employment) %>% select(employment, year)

library(qwraps2)

options(qwraps2_markup = "markdown")

our_summary1 <-
  list("Employment" =

```

```

      list("full-time" = ~ qwraps2::n_perc0(employment == "full-time"),
            "part-time" = ~ qwraps2::n_perc0(employment == "part-time"),
            "not active" = ~ qwraps2::n_perc0(employment == "not active"),
            "active unemployed" = ~ qwraps2::n_perc0(employment == "active
unemployed"))
    )
    summary_table(dplyr::group_by(data.summary, year), our_summary1)

data.summary <- data %>% na.omit(education) %>% select(education, year)

library(qwraps2)

options(qwraps2_markup = "markdown")

our_summary1 <-
  list("education" =
    list("primary or less" = ~ qwraps2::n_perc0(education == "primary or less"),
          "secondary" = ~ qwraps2::n_perc0(education == "secondary"),
          "university or more" = ~ qwraps2::n_perc0(education == "university or
more"))
  )

summary_table(dplyr::group_by(data.summary, year), our_summary1)

data$country.fac <- as.factor(data$country)
data$year.fac <- as.factor(data$year)
outcomes <- c("old.age.care", "unemployed", "reduce.income.differences",
"jobs.for.everyone")
individual.level.vars <- "+ female + age + age2 + education + employment"
context.level.vars.m1_4 <- "immigrant.stock"
context.level.vars.m5_8 <- "immigrant.stock + social.expenditures"
context.level.vars.m9_12 <- "immigrant.stock + employment.rate"
context.level.vars.m13_16 <- "immigrant.stock.change"
context.level.vars.m17_20 <- "immigrant.stock.change + social.expenditures"
context.level.vars.m21_24 <- "immigrant.stock.change + employment.rate"
fixed.effect.vars <- "+ country.fac + year.fac"

m1_4 <- paste(outcomes, " ~ ", context.level.vars.m1_4,
              individual.level.vars, fixed.effect.vars, sep = "")
m5_8 <- paste(outcomes, " ~ ", context.level.vars.m5_8,
              individual.level.vars, fixed.effect.vars, sep = "")
m9_12 <- paste(outcomes, " ~ ", context.level.vars.m9_12,
              individual.level.vars, fixed.effect.vars, sep = "")
m13_16 <- paste(outcomes, " ~ ", context.level.vars.m13_16,
              individual.level.vars, fixed.effect.vars, sep = "")
m17_20 <- paste(outcomes, " ~ ", context.level.vars.m17_20,
              individual.level.vars, fixed.effect.vars, sep = "")
m21_24 <- paste(outcomes, " ~ ", context.level.vars.m21_24,
              individual.level.vars, fixed.effect.vars, sep = "")
models <- c(m1_4, m5_8, m9_12, m13_16, m17_20, m21_24)
names(models) <- paste0("M", 1:24, " - ", rep(outcomes, 6))

for (i in 1:24){
  assign(paste0("M", 1:24)[i], glm(as.formula(models[i]), data = data, family =
"binomial"))
}

library(stargazer)
stargazer(M1, M2, M3, M4,
          type="latex",
          title = "Immigration and welfare state attitudes",
          omit.stat=c("LL","ser","f","adj.rsq"),
          t.auto=F, p.auto=F, report = "vct*",

```

```

omit = c("country.fac", "year.fac"),
dep.var.caption = "Outcomes",
ci=FALSE,
digits=2,
ci.level=0.95,
single.row=FALSE,
label = "tab:results1",
table.placement="H",
column.sep.width = "-7pt",
align = TRUE,
#dep.var.labels = rep("lala", 10),
column.labels = names(models)[1:4],
model.names = FALSE,
model.numbers = FALSE,
star.cutoffs = c(0.05, 0.01, 0.001),
notes = c("* Data: International Social Survey Programme 1996 and 2006;",
"Country and year fixed effects,", "Respective coefficients are ommitted from the
table;"),
header=FALSE,
no.space=TRUE,
font.size = "footnotesize",
apply.coef = exp
)

stargazer(M5, M6, M7, M8,
type="latex",
title = "Immigration and welfare state attitudes",
omit.stat=c("LL","ser","f","adj.rsq"),
t.auto=F, p.auto=F, report = "vct*",
omit = c("country.fac", "year.fac"),
dep.var.caption = "Outcomes",
ci=FALSE,
digits=2,
ci.level=0.95,
single.row=FALSE,
label = "tab:results2",
table.placement="H",
column.sep.width = "-7pt",
align = TRUE,
#dep.var.labels = rep("lala", 10),
column.labels = names(models)[5:8],
model.names = FALSE,
model.numbers = FALSE,
star.cutoffs = c(0.05, 0.01, 0.001),
notes = c("* Data: International Social Survey Programme 1996 and 2006;",
"Country and year fixed effects,", "Respective coefficients are ommitted from the
table;"),
header=FALSE,
no.space=TRUE,
font.size = "footnotesize",
apply.coef = exp
)

stargazer(M9, M10, M11, M12,
type="latex",
title = "Immigration and welfare state attitudes",
omit.stat=c("LL","ser","f","adj.rsq"),
t.auto=F, p.auto=F, report = "vct*",
omit = c("country.fac", "year.fac"),
dep.var.caption = "Outcomes",
ci=FALSE,
digits=2,
ci.level=0.95,

```

```

single.row=FALSE,
label = "tab:results3",
table.placement="H",
column.sep.width = "-7pt",
align = TRUE,
#dep.var.labels = rep("lala", 10),
column.labels = names(models)[9:12],
model.names = FALSE,
model.numbers = FALSE,
star.cutoffs = c(0.05, 0.01, 0.001),
notes = c("* Data: International Social Survey Programme 1996 and 2006;",
"Country and year fixed effects,", "Respective coefficients are ommitted from the
table;"),
header=FALSE,
no.space=TRUE,
font.size = "footnotesize",
apply.coef = exp
)

stargazer(M13, M14, M15, M16,
type="latex",
title = "Immigration and welfare state attitudes",
omit.stat=c("LL","ser","f","adj.rsq"),
t.auto=F, p.auto=F, report = "vct*",
omit = c("country.fac", "year.fac"),
dep.var.caption = "Outcomes",
ci=FALSE,
digits=2,
ci.level=0.95,
single.row=FALSE,
label = "tab:results4",
table.placement="H",
column.sep.width = "-7pt",
align = TRUE,
#dep.var.labels = rep("lala", 10),
column.labels = names(models)[13:16],
model.names = FALSE,
model.numbers = FALSE,
star.cutoffs = c(0.05, 0.01, 0.001),
notes = c("* Data: International Social Survey Programme 1996 and 2006;",
"Country and year fixed effects,", "Respective coefficients are ommitted from the
table;"),
header=FALSE,
no.space=TRUE,
font.size = "footnotesize",
apply.coef = exp
)

stargazer(M17, M18, M19, M20,
type="latex",
title = "Immigration and welfare state attitudes",
omit.stat=c("LL","ser","f","adj.rsq"),
t.auto=F, p.auto=F, report = "vct*",
omit = c("country.fac", "year.fac"),
dep.var.caption = "Outcomes",
ci=FALSE,
digits=2,
ci.level=0.95,
single.row=FALSE,
label = "tab:results5",
table.placement="H",
column.sep.width = "-7pt",
align = TRUE,

```

```

#dep.var.labels = rep("lala", 10),
column.labels = names(models)[17:20],
model.names = FALSE,
model.numbers = FALSE,
star.cutoffs = c(0.05, 0.01, 0.001),
notes = c("* Data: International Social Survey Programme 1996 and 2006;",
"Country and year fixed effects,", "Respective coefficients are ommitted from the
table;"),
header=FALSE,
no.space=TRUE,
font.size = "footnotesize",
apply.coef = exp
)

stargazer(M21, M22, M23, M24,
type="latex",
title = "Immigration and welfare state attitudes",
omit.stat=c("LL","ser","f","adj.rsq"),
t.auto=F, p.auto=F, report = "vct*",
omit = c("country.fac", "year.fac"),
dep.var.caption = "Outcomes",
ci=FALSE,
digits=2,
ci.level=0.95,
single.row=FALSE,
label = "tab:results6",
table.placement="H",
column.sep.width = "-7pt",
align = TRUE,
dep.var.labels = "",
column.labels = names(models)[21:24],
model.names = FALSE,
model.numbers = FALSE,
star.cutoffs = c(0.05, 0.01, 0.001),
notes = c("* Data: International Social Survey Programme 1996 and 2006;",
"Country and year fixed effects,", "Respective coefficients are ommitted from the
table;"),
header=FALSE,
no.space=TRUE,
font.size = "footnotesize",
apply.coef = exp
)

stargazer(M1, M2, M3, M4, M5, M6, M7, M8,
M9, M10, M11, M12, M13, M14, M15, M16, M17, M18,
M19, M20, M21, M22, M23, M24,
type="html",
out="Table-M1-M24-odds-ratios.html",
title = "Immigration and welfare state attitudes",
omit.stat=c("LL","ser","f","adj.rsq"),
t.auto=F, p.auto=F, report = "vct*",
omit = c("country.fac", "year.fac"),
dep.var.caption = "Outcomes",
ci=FALSE,
digits=2,
ci.level=0.95,
single.row=FALSE,
label = "tab:results6",
table.placement="H",
column.sep.width = "-7pt",
align = TRUE,
dep.var.labels = "",
column.labels = names(models)[1:24],

```

```

    model.names = FALSE,
    model.numbers = FALSE,
    star.cutoffs = c(0.05, 0.01, 0.001),
    notes = c("* Data: International Social Survey Programme 1996 and 2006;",
              "Country and year fixed effects,",
              "Respective coefficients are omitted from the table;"),
    header=FALSE,
    no.space=TRUE,
    font.size = "footnotesize",
    apply.coef = exp
  )

stargazer(M1, M2, M3, M4, M5, M6, M7, M8,
          M9, M10, M11, M12, M13, M14, M15, M16, M17, M18,
          M19, M20, M21, M22, M23, M24,
          type="html",
          out="Table-M1-M24-log-odds.html",
          title = "Immigration and welfare state attitudes",
          omit.stat=c("LL","ser","f","adj.rsq"),
          t.auto=F, p.auto=F, report = "vct*",
          omit = c("country.fac", "year.fac"),
          dep.var.caption = "Outcomes",
          ci=FALSE,
          digits=2,
          ci.level=0.95,
          single.row=FALSE,
          label = "tab:results6",
          table.placement="H",
          column.sep.width = "-7pt",
          align = TRUE,
          dep.var.labels = "",
          column.labels = names(models)[1:24],
          model.names = FALSE,
          model.numbers = FALSE,
          star.cutoffs = c(0.05, 0.01, 0.001),
          notes = c("* Data: International Social Survey Programme 1996 and 2006;",
                    "Country and year fixed effects,",
                    "Respective coefficients are omitted from the table;"),
          header=FALSE,
          no.space=TRUE,
          font.size = "footnotesize"
          # apply.coef = exp
        )

```


Team: 69
Software: Stata
Version: ORIGINAL

```
use "L2data.dta", clear
rename cntry isocode
save "L2dataB.dta", replace

use "ZA2900.dta", clear

gen oldagecare=0
replace oldagecare=1 if v39 == 1 | v39 == 2
gen unemployed=0
replace unemployed=1 if v41 == 1 | v41 == 2
gen reduceincomedifferences=0
replace reduceincomedifferences=1 if v42 == 1 | v42 == 2
gen jobs=0
replace jobs=1 if v36 == 1 | v36 == 2

gen emplstatus=v206
replace emplstatus=2 if v206==2 | v206==3
replace emplstatus=3 if v206==4 | v206==6 | v206==7 | v206==8 | v206==9 | v206==10
replace emplstatus=4 if v206==5
label define emplstatus 1 "Full-time" 2 "Part-time" 3 "Not active" 4 "Active
unemployed"
label values emplstatus emplstatus

gen edu=1
replace edu=2 if v205==5 | v205==6
replace edu=3 if v205==7
label define edu 1 "Primary" 2 "Secondary" 3 "University"
label values edu edu

rename v200 sex
rename v201 age
gen age2=age*age

gen country=""
replace country="Australia" if v3=="aus":V3
replace country="Canada" if v3=="cdn":V3
replace country="Czech Republic" if v3=="cz":V3
replace country="France" if v3=="f":V3
replace country="Germany" if v3=="D-W":V3 | v3=="D-E":V3
replace country="Hungary" if v3=="h":V3
replace country="Ireland" if v3=="irl":V3
replace country="Israel" if v3=="IL-J":V3 | v3=="IL-A":V3
replace country="Japan" if v3=="j":V3
replace country="Latvia" if v3=="lv":V3
replace country="New Zealand" if v3=="nz":V3
replace country="Norway" if v3=="n":V3
replace country="Poland" if v3=="pl":V3
replace country="Russia" if v3=="rus":V3
replace country="Slovenia" if v3=="slo":V3
replace country="Spain" if v3=="e":V3
replace country="Sweden" if v3=="s":V3
replace country="Switzerland" if v3=="ch":V3
replace country="United Kingdom" if v3=="gb":V3
replace country="United States" if v3=="usa":V3

gen year=1996
keep country year sex age age2 edu emplstatus oldagecare unemployed
reduceincomedifferences jobs
```

```

save "1996.dta", replace

use "ZA4700.dta", clear

gen oldagecare=0
replace oldagecare=1 if V28 == 1 | V28 == 2
gen unemployed=0
replace unemployed=1 if V30 == 1 | V30 == 2
gen reduceincomedifferences=0
replace reduceincomedifferences=1 if V31 == 1 | V31 == 2
gen jobs=0
replace jobs=1 if V25 == 1 | V25 == 2

gen emplstatus=wrkst
replace emplstatus=2 if wrkst==2 | wrkst==3
replace emplstatus=3 if wrkst==4 | wrkst==6 | wrkst==7 | wrkst==8 | wrkst==9 |
    wrkst==10
replace emplstatus=4 if wrkst==5
label define emplstatus 1 "Full-time" 2 "Part-time" 3 "Not active" 4 "Active
    unemployed"
label values emplstatus emplstatus

gen edu=1
replace edu=2 if degree==3 | degree==4
replace edu=3 if degree==5
label define edu 1 "Primary" 2 "Secondary" 3 "University"
label values edu edu

gen age2=age*age

gen year=2006

rename V3a isocode
keep isocode year sex age age2 edu emplstatus oldagecare unemployed
    reduceincomedifferences jobs
save "2006.dta", replace

use "L2dataB.dta", clear
replace country="Israel" if country=="Isreal"
merge 1:m isocode year using "2006.dta"
drop if _m==2
drop _m
save "data1.dta", replace
use "L2dataB.dta", clear
merge 1:m country year using "1996.dta"
drop if _m==2
drop _m
save "data2.dta", replace
use "data1.dta", clear
append using "data2.dta"
save "finaldata.dta", replace

fvset base 2 edu
fvset base 1 emplstatus
label variable foreignpct "Immigrant Stock"
label variable netmigpct "Change in Immigrant Stock"
label variable socx "Social Welfare Expenditures"
label variable emprate "Employment Rate"

save "finaldata.dta", replace

logit oldagecare i.sex age age2 i.edu i.emplstatus foreignpct i.year i.isocode
eststo

```

```

logit unemployed i.sex age age2 i.edu i.emplstatus foreignpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus foreignpct i.year
  i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus foreignpct i.year i.isocode
eststo

logit oldagecare i.sex age age2 i.edu i.emplstatus socx foreignpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus socx foreignpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus socx foreignpct i.year
  i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus socx foreignpct i.year i.isocode
eststo

logit oldagecare i.sex age age2 i.edu i.emplstatus emprate foreignpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus emprate foreignpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus emprate foreignpct
  i.year i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus emprate foreignpct i.year i.isocode
eststo

logit oldagecare i.sex age age2 i.edu i.emplstatus netmigpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus netmigpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus netmigpct i.year
  i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus netmigpct i.year i.isocode
eststo

logit oldagecare i.sex age age2 i.edu i.emplstatus socx netmigpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus socx netmigpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus socx netmigpct i.year
  i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus socx netmigpct i.year i.isocode
eststo

logit oldagecare i.sex age age2 i.edu i.emplstatus emprate netmigpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus emprate netmigpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus emprate netmigpct
  i.year i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus emprate netmigpct i.year i.isocode
eststo
esttab using results.csv, z eform replace label constant
*estout using results.csv, eform cells(b(star fmt(3)) z(par fmt(2))) stats(N) plain
est clear

```

Team: 69
Software: Stata
Version: CURATED

```
use "L2data.dta", clear
rename cntry isocode
save "L2dataB.dta", replace

use "ZA2900.dta", clear

gen oldagecare=0
replace oldagecare=1 if v39 == 1 | v39 == 2
replace oldagecare=. if v39==.
gen unemployed=0
replace unemployed=1 if v41 == 1 | v41 == 2
replace unemployed=. if v41==.
gen reduceincomedifferences=0
replace reduceincomedifferences=1 if v42 == 1 | v42 == 2
replace reduceincomedifferences=. if v42==.
gen jobs=0
replace jobs=1 if v36 == 1 | v36 == 2
replace jobs=. if v36 ==.

gen emplstatus=v206
replace emplstatus=2 if v206==2 | v206==3
replace emplstatus=3 if v206==4 | v206==6 | v206==7 | v206==8 | v206==9 | v206==10
replace emplstatus=4 if v206==5
label define emplstatus 1 "Full-time" 2 "Part-time" 3 "Not active" 4 "Active
    unemployed"
label values emplstatus emplstatus

gen edu=1
replace edu=2 if v205==5 | v205==6
replace edu=3 if v205==7
label define edu 1 "Primary" 2 "Secondary" 3 "University"
label values edu edu

rename v200 sex
rename v201 age
gen age2=age*age

gen country=""
replace country="Australia" if v3=="aus":V3
replace country="Canada" if v3=="cdn":V3
replace country="Czech Republic" if v3=="cz":V3
replace country="France" if v3=="f":V3
replace country="Germany" if v3=="D-W":V3 | v3=="D-E":V3
replace country="Hungary" if v3=="h":V3
replace country="Ireland" if v3=="irl":V3
replace country="Israel" if v3=="IL-J":V3 | v3=="IL-A":V3
replace country="Japan" if v3=="j":V3
replace country="Latvia" if v3=="lv":V3
replace country="New Zealand" if v3=="nz":V3
replace country="Norway" if v3=="n":V3
replace country="Poland" if v3=="pl":V3
replace country="Russia" if v3=="rus":V3
replace country="Slovenia" if v3=="slo":V3
replace country="Spain" if v3=="e":V3
replace country="Sweden" if v3=="s":V3
replace country="Switzerland" if v3=="ch":V3
replace country="United Kingdom" if v3=="gb":V3
replace country="United States" if v3=="usa":V3
```

```

gen year=1996
keep country year sex age age2 edu emplstatus oldagecare unemployed
    reduceincomedifferences jobs
save "1996.dta", replace

use "ZA4700.dta", clear

gen oldagecare=0
replace oldagecare=1 if V28 == 1 | V28 == 2
replace oldagecare=. if V28==.
gen unemployed=0
replace unemployed=1 if V30 == 1 | V30 == 2
replace unemployed=. if V30==.
gen reduceincomedifferences=0
replace reduceincomedifferences=1 if V31 == 1 | V31 == 2
replace reduceincomedifferences=. if V31==.
gen jobs=0
replace jobs=1 if V25 == 1 | V25 == 2
replace jobs=. if V25==.

gen emplstatus=wrkst
replace emplstatus=2 if wrkst==2 | wrkst==3
replace emplstatus=3 if wrkst==4 | wrkst==6 | wrkst==7 | wrkst==8 | wrkst==9 |
    wrkst==10
replace emplstatus=4 if wrkst==5
label define emplstatus 1 "Full-time" 2 "Part-time" 3 "Not active" 4 "Active
    unemployed"
label values emplstatus emplstatus

gen edu=1
replace edu=2 if degree==3 | degree==4
replace edu=3 if degree==5
label define edu 1 "Primary" 2 "Secondary" 3 "University"
label values edu edu

gen age2=age*age

gen year=2006

rename V3a isocode
keep isocode year sex age age2 edu emplstatus oldagecare unemployed
    reduceincomedifferences jobs
save "2006.dta", replace

use "L2dataB.dta", clear
replace country="Israel" if country=="Isreal"
merge 1:m isocode year using "2006.dta"
drop if _m==2
drop _m
save "data1.dta", replace
use "L2dataB.dta", clear
merge 1:m country year using "1996.dta"
drop if _m==2
drop _m
save "data2.dta", replace
use "data1.dta", clear
append using "data2.dta"
save "finaldata.dta", replace

fvset base 2 edu
fvset base 1 emplstatus
label variable foreignpct "Immigrant Stock"

```

```

label variable netmigpct "Change in Immigrant Stock"
label variable socx "Social Welfare Expenditures"
label variable emprate "Employment Rate"

save "finaldata.dta", replace

logit oldagecare i.sex age age2 i.edu i.emplstatus foreignpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus foreignpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus foreignpct i.year
  i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus foreignpct i.year i.isocode
eststo

logit oldagecare i.sex age age2 i.edu i.emplstatus socx foreignpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus socx foreignpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus socx foreignpct i.year
  i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus socx foreignpct i.year i.isocode
eststo

logit oldagecare i.sex age age2 i.edu i.emplstatus emprate foreignpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus emprate foreignpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus emprate foreignpct
  i.year i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus emprate foreignpct i.year i.isocode
eststo

logit oldagecare i.sex age age2 i.edu i.emplstatus netmigpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus netmigpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus netmigpct i.year
  i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus netmigpct i.year i.isocode
eststo

logit oldagecare i.sex age age2 i.edu i.emplstatus socx netmigpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus socx netmigpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus socx netmigpct i.year
  i.isocode
eststo
logit jobs i.sex age age2 i.edu i.emplstatus socx netmigpct i.year i.isocode
eststo

logit oldagecare i.sex age age2 i.edu i.emplstatus emprate netmigpct i.year i.isocode
eststo
logit unemployed i.sex age age2 i.edu i.emplstatus emprate netmigpct i.year i.isocode
eststo
logit reduceincomedifferences i.sex age age2 i.edu i.emplstatus emprate netmigpct
  i.year i.isocode
eststo

```

```
logit jobs i.sex age age2 i.edu i.emplstatus emprate netmigpct i.year i.isocode  
eststo  
esttab using results.csv, z eform replace label constant  
*estout using results.csv, eform cells(b(star fmt(3)) z(par fmt(2))) stats(N) plain  
est clear
```

Team: 70
Software: R
Version: ORIGINAL

```
rm(list = ls())
p_needed <- c("haven", "tidyverse", "labelled", "magrittr", "dummies")
packages <- rownames(installed.packages())
p_to_install <- p_needed[!(p_needed %in% packages)]
if (length(p_to_install) > 0) {
  install.packages(p_to_install, dependencies = TRUE)
}
print(sapply(p_needed, require, character.only = TRUE))

def.chunk.hook <- knitr::knit_hooks$get("chunk")
knitr::knit_hooks$set(chunk = function(x, options) {
  x <- def.chunk.hook(x, options)
  ifelse(options$size != "normalsize", paste0("\n", options$size, "\n\n", x, "\n\n\\normalsize"), x)
}))

za2900 <- read_dta("ZA2900.dta")

za2900 <- za2900 %>%
  mutate(v3a =
    recode(as.numeric(za2900$v3),
      "1" = 36,
      "2" = 276,
      "3" = 276,
      "4" = 826,
      "6" = 840,
      "8" = 348,

      "10" = 372,
      "12" = 578,
      "13" = 752,
      "14" = 203,
      "15" = 705,
      "16" = 616,

      "18" = 643,
      "19" = 554,
      "20" = 124,
      "21" = 608,
      "22" = 376,
      "23" = 376,
      "24" = 392,
      "25" = 724,
      "26" = 428,
      "27" = 250,

      "30" = 756))

za2900$v3a[za2900$v3a %in% c(9,17,28)] <- NA

za2900 <- za2900 %>%
  mutate(dobeylaws =
    recode(as.numeric(v4),
      "2" = 0))
```



```

za2900 <- za2900 %>%
  mutate(orgprotest =
    recode(as.numeric(v5),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "2" = 1))

za2900 <- za2900 %>%
  mutate(dorgprotest =
    recode(as.numeric(orgprotest),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(orgmarch =
    recode(as.numeric(v6),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "2" = 1))

za2900 <- za2900 %>%
  mutate(dmarch =
    recode(as.numeric(orgmarch),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(orgstrike =
    recode(as.numeric(v7),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "2" = 1))

za2900 <- za2900 %>%
  mutate(dorgstrike =
    recode(as.numeric(orgstrike),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(spendenv =
    recode(as.numeric(v25),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dspendenv =
    recode(as.numeric(spendenv),
      "1" = 0,
      "2" = 0,

```

```

        "3" = 0,
        "4" = 1,
        "5" = 1))

za2900 <- za2900 %>%
  mutate(spendhealth =
    recode(as.numeric(v26),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dspendhealth =
    recode(as.numeric(spendhealth),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(spendlaw =
    recode(as.numeric(v27),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dspendlaw =
    recode(as.numeric(spendlaw),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(spendedu =
    recode(as.numeric(v28),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dspendedu =
    recode(as.numeric(spendedu),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(spenddef =
    recode(as.numeric(v29),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

```

```

za2900 <- za2900 %>%
  mutate(dspenddef =
    recode(as.numeric(spenddef),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(spendret =
    recode(as.numeric(v30),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dspendret =
    recode(as.numeric(spendret),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(spendunemp =
    recode(as.numeric(v31),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dspendunemp =
    recode(as.numeric(spendunemp),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(spendart =
    recode(as.numeric(v32),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dspendart =
    recode(as.numeric(spendart),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(govjobs =

```

```

        recode(as.numeric(v36),
              "1" = 4,
              "2" = 3,
              "3" = 2,
              "4" = 1))

za2900 <- za2900 %>%
  mutate(dgovjobs =
    recode(as.numeric(govjobs),
          "1" = 0,
          "2" = 0,
          "3" = 1,
          "4" = 1))

za2900 <- za2900 %>%
  mutate(govprices =
    recode(as.numeric(v38),
          "1" = 4,
          "2" = 3,
          "3" = 2,
          "4" = 1))

za2900 <- za2900 %>%
  mutate(dgovprices =
    recode(as.numeric(govprices),
          "1" = 0,
          "2" = 0,
          "3" = 1,
          "4" = 1))

za2900 <- za2900 %>%
  mutate(govhcare =
    recode(as.numeric(v38),
          "1" = 4,
          "2" = 3,
          "3" = 2,
          "4" = 1))

za2900 <- za2900 %>%
  mutate(dhcare =
    recode(as.numeric(govhcare),
          "1" = 0,
          "2" = 0,
          "3" = 1,
          "4" = 1))

za2900 <- za2900 %>%
  mutate(govretire =
    recode(as.numeric(v39),
          "1" = 4,
          "2" = 3,
          "3" = 2,
          "4" = 1))

za2900 <- za2900 %>%
  mutate(dgovretire =
    recode(as.numeric(govretire),
          "1" = 0,
          "2" = 0,
          "3" = 1,
          "4" = 1))

za2900 <- za2900 %>%

```

```

mutate(indgrow =
  recode(as.numeric(v39),
    "1" = 4,
    "2" = 3,
    "3" = 2,
    "4" = 1))

za2900 <- za2900 %>%
  mutate(dindgrow =
    recode(as.numeric(indgrow),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(govunemp =
    recode(as.numeric(v41),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(dgovunemp =
    recode(as.numeric(govunemp),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(govincdiff =
    recode(as.numeric(v42),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(dgovincdiff =
    recode(as.numeric(govincdiff),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(govstudents =
    recode(as.numeric(v43),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(dgovstud =
    recode(as.numeric(govstudents),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

```

```

za2900 <- za2900 %>%
  mutate(govhousing =
    recode(as.numeric(v44),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(dgovhous =
    recode(as.numeric(govhousing),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(lawsenv =
    recode(as.numeric(v45),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(dlawsenv =
    recode(as.numeric(lawsenv),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za2900 <- za2900 %>%
  mutate(cutspend =
    recode(as.numeric(v19),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dcutspend =
    recode(as.numeric(cutspend),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(projjobs =
    recode(as.numeric(v20),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dprojjobs =
    recode(as.numeric(projjobs),
      "1" = 0,
      "2" = 0,
      "3" = 0,

```

```

        "4" = 1,
        "5" = 1))
za2900 <- za2900 %>%
  mutate(regbus =
    recode(as.numeric(v21),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dregbus =
    recode(as.numeric(regbus),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(indnewprod =
    recode(as.numeric(v22),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dindnewprod =
    recode(as.numeric(indnewprod),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(decindjobs =
    recode(as.numeric(v23),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(ddecindjobs =
    recode(as.numeric(decindjobs),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(workwk =
    recode(as.numeric(v24),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za2900 <- za2900 %>%
  mutate(dworkwk =
    recode(as.numeric(workwk),

```

```

        "1" = 0,
        "2" = 0,
        "3" = 0,
        "4" = 1,
        "5" = 1))

za2900 <- za2900 %>%
  mutate(age = v201)

za2900 <- za2900 %>%
  mutate(agesq = age^2)

za2900 <- za2900 %>%
  mutate(female =
    recode(as.numeric(v200),
      "1" = 0,
      "2" = 1))

za2900 <- za2900 %>%
  mutate(marst = v202)

za2900$nevermar <- ifelse(za2900$marst == 5, 1, 0)

za2900$married <- ifelse(za2900$marst == 1, 1, 0)

za2900$divorced <- ifelse(za2900$marst == 3 | za2900$marst == 4, 1, 0)

za2900$widow <- ifelse(za2900$marst == 2, 1, 0)

za2900$partner <- ifelse(za2900$v203 == 2, 0, 1)

za2900 <- za2900 %>%
  mutate(hhsize = v273)

za2900 <- za2900 %>%
  mutate(kidshh =
    recode(as.numeric(v274),
      "2" = 1,
      "3" = 1,
      "4" = 1,
      "6" = 1,
      "7" = 1,
      "8" = 1,
      .default = 0))

i <- 10
while(i < 27){
  za2900$kidshh[as.numeric(za2900$v274) == i & !is.na(za2900$v274)] <- 1
  i <- i + 2
}

za2900 <- za2900 %>%
  mutate(rural =
    recode(as.numeric(v275),
      "3" = 1,
      .default = 0))

za2900 <- za2900 %>%
  mutate(suburb =
    recode(as.numeric(v275),
      "2" = 1,

```



```

        .default = 0))

za2900$ETHNIC <- za2900$v324

za2900$edyears <- za2900$v204
za2900$edcat <- za2900$v205

za2900 <- za2900 %>%
  mutate(degree =
    recode(as.numeric(edcat),
      "1" = 1,
      "2" = 1,
      "3" = 1,
      "4" = 2,
      "5" = 3,
      "6" = 4,
      "7" = 5))

za2900 <- za2900 %>%
  mutate(lesshs =
    recode(as.numeric(degree),
      "1" = 1,
      "2" = 1,
      .default = 0))

za2900 <- za2900 %>%
  mutate(hs =
    recode(as.numeric(degree),
      "3" = 1,
      "4" = 1,
      .default = 0))

za2900 <- za2900 %>%
  mutate(univ =
    recode(as.numeric(degree),
      "5" = 1,
      .default = 0))

za2900$isco <- za2900$v208
za2900$occ2 <- za2900$v209
za2900$hourswrk <- za2900$v215

za2900$ftemp <- case_when(
  as.numeric(za2900$v206) %in% 2:10 ~ 0,
  as.numeric(za2900$v206) == 1 ~ 1
)

za2900 <- za2900 %>%
  mutate(ptemp =
    recode(as.numeric(v206),
      "2" = 1,
      "3" = 1,
      "4" = 1,
      .default = 0))

za2900 <- za2900 %>%
  mutate(unemp =
    recode(as.numeric(v206),
      "5" = 1,
      .default = 0))

```

```

za2900 <- za2900 %>%
  mutate(nolabor =
    recode(as.numeric(v206),
      "6" = 1,
      "7" = 1,
      "8" = 1,
      "9" = 1,
      "10" = 1,
      .default = 0))

za2900$selfemp <- (za2900$v213 == 1)*1
za2900$selfemp[is.na(za2900$selfemp)] <- 0
za2900$selfemp[is.na(za2900$v206)] <- NA

za2900$pubemp <- ifelse(za2900$v212 == 1 | za2900$v212 == 2, 1, 0)

za2900$pubemp[is.na(za2900$v206)] <- NA

za2900$pvtemp <- ifelse(za2900$selfemp == 0 & za2900$pubemp == 0, 1, 0)

za2900$pvtemp[is.na(za2900$v206)] <- NA

za2900$faminc <- za2900$v218

za2900$inczscore <- NA

cntries <- levels(factor(za2900$v3a))

for(cntryval in cntries){
  z_faminc <- scale(za2900$faminc[za2900$v3a==cntryval & !is.na(za2900$v3a)])
  za2900$inczscore[za2900$v3a==cntryval & !is.na(za2900$v3a)] <- z_faminc
}

za2900 <- za2900 %>%
  mutate(union =
    recode(as.numeric(v222),
      "2" = 0))

za2900$party <- za2900$v223

za2900 <- za2900 %>%
  mutate(highrel =
    recode(as.numeric(v220),
      "1" = 1,
      "2" = 1,
      .default = 0))

za2900 <- za2900 %>%
  mutate(lowrel =
    recode(as.numeric(v220),
      "3" = 1,
      "4" = 1,
      "5" = 1,
      .default = 0))

za2900 <- za2900 %>%
  mutate(norel =
    recode(as.numeric(v220),
      "6" = 1,
      .default = 0))

```

```

za2900$religion <- za2900$v220

za2900$year <- 1996
za2900$yr2006 <- 0

za2900$cntry <- za2900$v3a

za2900$wgghts <- za2900$v325


za4700 <- read_dta("ZA4700.dta")


za4700 <- za4700 %>%
  mutate(spendenv =
    recode(as.numeric(V17),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dspendenv =
    recode(as.numeric(spendenv),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(spendhealth =
    recode(as.numeric(V18),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dspendhealth =
    recode(as.numeric(spendhealth),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(spendlaw =
    recode(as.numeric(V19),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dspendlaw =
    recode(as.numeric(spendlaw),
      "1" = 0,
      "2" = 0,
      "3" = 0,

```

```

        "4" = 1,
        "5" = 1))

za4700 <- za4700 %>%
  mutate(spendedu =
    recode(as.numeric(V20),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dspendedu =
    recode(as.numeric(spendedu),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(spenddef =
    recode(as.numeric(V21),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dspenddef =
    recode(as.numeric(spenddef),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(spendret =
    recode(as.numeric(V22),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dspendret =
    recode(as.numeric(spendret),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(spendunemp =
    recode(as.numeric(V23),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%

```

```

mutate(dspendunemp =
  recode(as.numeric(spendunemp),
    "1" = 0,
    "2" = 0,
    "3" = 0,
    "4" = 1,
    "5" = 1))

za4700 <- za4700 %>%
  mutate(spendart =
    recode(as.numeric(V24),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dspendart =
    recode(as.numeric(spendart),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(suchcare =
    recode(as.numeric(V35),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dsuchcare =
    recode(as.numeric(suchcare),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(sucret =
    recode(as.numeric(V36),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dsucret =
    recode(as.numeric(sucret),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(sucdef =
    recode(as.numeric(V37),

```

```

        "1" = 5,
        "2" = 4,
        "4" = 2,
        "5" = 1))

za4700 <- za4700 %>%
  mutate(dsucdef =
    recode(as.numeric(sucdef),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(suclaw =
    recode(as.numeric(V38),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dsuclaw =
    recode(as.numeric(suclaw),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(sucunemp =
    recode(as.numeric(V39),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dsucunemp =
    recode(as.numeric(sucunemp),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(sucenv =
    recode(as.numeric(V40),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dsucenv =
    recode(as.numeric(sucenv),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,

```

```

        "5" = 1))

za4700 <- za4700 %>%
  mutate(govjobs =
    recode(as.numeric(V25),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(dgovjobs =
    recode(as.numeric(govjobs),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(govprices =
    recode(as.numeric(V26),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(dgovprices =
    recode(as.numeric(govprices),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(govhcare =
    recode(as.numeric(V27),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(dhcare =
    recode(as.numeric(govhcare),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(govretire =
    recode(as.numeric(V28),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(dgovretire =
    recode(as.numeric(govretire),
      "1" = 0,

```

```

        "2" = 0,
        "3" = 1,
        "4" = 1))

za4700 <- za4700 %>%
  mutate(indgrow =
    recode(as.numeric(V29),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(dindgrow =
    recode(as.numeric(indgrow),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(govunemp =
    recode(as.numeric(V30),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(dgovunemp =
    recode(as.numeric(govunemp),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(govincdiff =
    recode(as.numeric(V31),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(dgovincdiff =
    recode(as.numeric(govincdiff),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(govstudents =
    recode(as.numeric(V32),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(dgovstud =
    recode(as.numeric(govstudents),
      "1" = 0,

```



```

        "2" = 0,
        "3" = 1,
        "4" = 1))
za4700 <- za4700 %>%
  mutate(govhousing =
    recode(as.numeric(V33),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(dgovhous =
    recode(as.numeric(govhousing),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))
za4700 <- za4700 %>%
  mutate(lawsenv =
    recode(as.numeric(V34),
      "1" = 4,
      "2" = 3,
      "3" = 2,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(dlawsenv =
    recode(as.numeric(lawsenv),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1))

za4700 <- za4700 %>%
  mutate(cutspend =
    recode(as.numeric(V11),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dcutspend =
    recode(as.numeric(cutspend),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))
za4700 <- za4700 %>%
  mutate(projjobs =
    recode(as.numeric(V12),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dprojjobs =
    recode(as.numeric(projjobs),
      "1" = 0,
      "2" = 0,

```

```

        "3" = 0,
        "4" = 1,
        "5" = 1))

za4700 <- za4700 %>%
  mutate(regbus =
    recode(as.numeric(V13),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dregbus =
    recode(as.numeric(regbus),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(indnewprod =
    recode(as.numeric(V14),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(dindnewprod =
    recode(as.numeric(indnewprod),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(decindjobs =
    recode(as.numeric(V15),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(ddecindjobs =
    recode(as.numeric(decindjobs),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(workwk =
    recode(as.numeric(V16),
      "1" = 5,
      "2" = 4,
      "4" = 2,
      "5" = 1))

```

```

za4700 <- za4700 %>%
  mutate(dworkwk =
    recode(as.numeric(workwk),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700$govdetain <- za4700$V41

za4700 <- za4700 %>%
  mutate(dgovdetain =
    recode(as.numeric(govdetain),
      "1" = 1,
      "2" = 1,
      "3" = 0,
      "4" = 0))

za4700$govtapphone <- za4700$V42

za4700 <- za4700 %>%
  mutate(dgovtap =
    recode(as.numeric(govtapphone),
      "1" = 1,
      "2" = 1,
      "3" = 0,
      "4" = 0))

za4700$govsearch <- za4700$V43

za4700 <- za4700 %>%
  mutate(dgovsearch =
    recode(as.numeric(govsearch),
      "1" = 1,
      "2" = 1,
      "3" = 0,
      "4" = 0))

za4700$trustfew <- za4700$V54

za4700 <- za4700 %>%
  mutate(dtrust =
    recode(as.numeric(trustfew),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1,
      "5" = 1))

za4700$takeadv <- za4700$V55

za4700 <- za4700 %>%
  mutate(dtakeadv =
    recode(as.numeric(takeadv),
      "1" = 0,
      "2" = 0,
      "3" = 1,
      "4" = 1,
      "5" = 1))

```

```

za4700$agesq <- za4700$age^2

za4700 <- za4700 %>%
  mutate(female =
    recode(as.numeric(sex),
      "1" = 0,
      "2" = 1))

za4700 <- za4700 %>%
  mutate(marst = marital)

za4700$nevermar <- ifelse(za4700$marst == 5, 1, 0)

za4700$married <- ifelse(za4700$marst == 1, 1, 0)

za4700$divorced <- ifelse(za4700$marst == 3 | za4700$marst == 4, 1, 0)

za4700$widow <- ifelse(za4700$marst == 2, 1, 0)

za4700$partner <- ifelse(za4700$cohab == 2, 0, 1)

za4700 <- za4700 %>%
  mutate(hhsize = hompop)

za4700 <- za4700 %>%
  mutate(kidshh =
    recode(as.numeric(hhcycle),
      "2" = 1,
      "3" = 1,
      "4" = 1,
      "6" = 1,
      "7" = 1,
      "8" = 1,
      .default = 0))

i <- 10
while(i < 29){
  za4700$kidshh[as.numeric(za4700$hhcycle) == i & !is.na(za4700$hhcycle)] <- 1
  i <- i + 2
}

za4700 <- za4700 %>%
  mutate(rural =
    recode(as.numeric(urbrural),
      "1" = 0,
      "2" = 0,
      "3" = 0,
      "4" = 1,
      "5" = 1))

za4700 <- za4700 %>%
  mutate(suburb =
    recode(as.numeric(urbrural),
      "2" = 1,
      "3" = 1,
      .default = 0))

za4700$edyears <- za4700$educyrs
za4700$edcat <- za4700$degree

```

```

za4700 <- za4700 %>%
  mutate(degree =
    recode(as.numeric(edcat),
      "0" = 1))
za4700 <- za4700 %>%
  mutate(lesshs =
    recode(as.numeric(degree),
      "1" = 1,
      "2" = 1,
      .default = 0))

za4700 <- za4700 %>%
  mutate(hs =
    recode(as.numeric(degree),
      "3" = 1,
      "4" = 1,
      .default = 0))

za4700 <- za4700 %>%
  mutate(univ =
    recode(as.numeric(degree),
      "5" = 1,
      .default = 0))

za4700$empstat <- za4700$wrkst

za4700$isco <- za4700$ISCO88

za4700$hourswrk <- za4700$wrkhrs

za4700$sftemp <- case_when(
  as.numeric(za4700$empstat) %in% 2:10 ~ 0,
  as.numeric(za4700$empstat) == 1 ~ 1
)

za4700 <- za4700 %>%
  mutate(ptemp =
    recode(as.numeric(empstat),
      "2" = 1,
      "3" = 1,
      "4" = 1,
      .default = 0))

za4700 <- za4700 %>%
  mutate(unemp =
    recode(as.numeric(empstat),
      "5" = 1,
      .default = 0))

za4700 <- za4700 %>%
  mutate(nolabor =
    recode(as.numeric(empstat),
      "6" = 1,
      "7" = 1,
      "8" = 1,
      "9" = 1,
      "10" = 1,
      .default = 0))

za4700$selfemp <- (za4700$wrktype == 4)*1

```

```

za4700$selfemp[is.na(za4700$selfemp)] <- 0
za4700$selfemp[is.na(za4700$empstat)] <- NA

za4700$pubemp <- ifelse(za4700$wrktype == 1 | za4700$wrktype == 2, 1, 0)

za4700$pubemp[is.na(za4700$empstat)] <- NA

za4700$pvtemp <- ifelse(za4700$selfemp == 0 & za4700$pubemp == 0, 1, 0)

za4700$pvtemp[is.na(za4700$empstat)] <- NA

za4700$inczscore <- NA
incvars <- c("AU_INC", "CA_INC", "CH_INC", "CL_INC", "CZ_INC", "DE_INC", "DK_INC",
"DO_INC", "ES_INC", "FI_INC", "FR_INC", "GB_INC", "HR_INC", "HU_INC", "IE_INC",
"IL_INC", "JP_INC", "KR_INC", "LV_INC", "NL_INC", "NO_INC", "NZ_INC", "PH_INC",
"PL_INC", "PT_INC", "RU_INC", "SE_INC", "SI_INC", "TW_INC", "US_INC", "UY_INC",
"VE_INC", "ZA_INC")

for(incvar in incvars){
  z_incvar <- scale(scale(za4700[,incvar]))

  za4700$inczscore[!is.na(z_incvar)] <- z_incvar[!is.na(z_incvar)]
}

za4700 <- za4700 %>%
  mutate(union =
    recode(as.numeric(union),
      "2" = 0,
      "3" = 0))

za4700$party <- za4700$PARTY_LR

za4700 <- za4700 %>%
  mutate(highrel =
    recode(as.numeric(attend),
      "1" = 1,
      "2" = 1,
      "3" = 1,
      .default = 0))

za4700 <- za4700 %>%
  mutate(lowrel =
    recode(as.numeric(attend),
      "4" = 1,
      "5" = 1,
      "6" = 1,
      "7" = 1,
      .default = 0))

za4700 <- za4700 %>%
  mutate(norel =
    recode(as.numeric(attend),
      "8" = 1,
      .default = 0))

za4700$religion <- za4700$attend

```

```

za4700$cntry <- za4700$V3a

za4700$wgths <- za4700$weight

za4700$year <- 2006
za4700$yr2006 <- 1


combined <- rbind(data.frame(
  za2900[,colnames(za2900)[colnames(za4700)]],
  data.frame(za4700[,colnames(za2900)[colnames(za2900)%in%colnames(za4700)]))

country_data <- read_dta("BradyFinnigan2014CountryData.dta")

ISSP9606 <- left_join(combined, country_data, by = c("cntry" = "cntry", "year" =
"year"))

ISSP9606 <- ISSP9606 %>%
  mutate(origl7 =
    recode(as.numeric(cntry),
      "36" = 1,
      "124" = 1,
      "208" = 1,
      "246" = 1,
      "250" = 1,
      "276" = 1,
      "372" = 1,
      "392" = 1,
      "528" = 1,
      "554" = 1,
      "578" = 1,
      "620" = 1,
      "724" = 1,
      "752" = 1,
      "756" = 1,
      "826" = 1,
      "840" = 1,
      .default = 0))

ISSP9606 <- ISSP9606 %>%
  mutate(origl3 =
    recode(as.numeric(cntry),
      "36" = 1,
      "124" = 1,
      "250" = 1,
      "276" = 1,
      "372" = 1,
      "392" = 1,
      "554" = 1,
      "578" = 1,
      "724" = 1,
      "752" = 1,
      "756" = 1,
      "826" = 1,
      "840" = 1,
      .default = 0))

use $data, clear
keep if origl3

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"

```

```

global controls "age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
yr2006"
global centryvars "foreignpct netmigpct socx emprate"

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)

quietly tab centry, gen(centryfe)

preserve
keep if allcontrols & year==1996 & dgovincdiff<.
keep $depvars $centryvars $controls
outreg2 using $desc1996.xls", replace noaster excel sideways bdec(3) sdec(3)
    sum(detail) eqkeep(mean sd)
restore

preserve
keep if allcontrols & year==1996
collapse $depvars, by(centry)
outsheet centry $depvars using $depvars1996", comma replace
restore

foreach depvar in $depvars {
    logit `depvar' foreignpct $controls centryfe*
    outreg2 using $forborn9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct socx $controls centryfe*
    outreg2 using $forborn9606socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct emprate $controls centryfe*
    outreg2 using $forborn9606emprate.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct $controls centryfe*
    outreg2 using $netmig9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *) eform
    bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct socx $controls centryfe*
    outreg2 using $netmig9606socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct emprate $controls centryfe*
    outreg2 using $netmig9606emprate.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct foreignpct $controls centryfe*

```



```

outreg2 using $netmig9606forborn.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
*) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' $controls centryfe*
  outreg2 using $controls9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

orig_13 <- ISSP9606[ISSP9606$orig13==1,]
orig_13 <- orig_13[!is.na(orig_13$centry),]
orig_13 <- as.data.frame(orig_13)

dep_var <- c("dgovjobs", "dgovunemp", "dgovincdiff", "dgovretire", "dgovhous",
"dhcare")

controls <- c("age", "agesq", "female", "lesshs", "univ", "ptemp", "unemp",
"nolabor", "selfemp", "inczscore", "yr2006")

country_var <- c("foreignpct", "netmigpct", "socx", "emprate")

to_keep <- c(dep_var, controls, country_var)
orig_13 <- dplyr::select(orig_13, to_keep, starts_with("centry"))

orig_13$centry <- as.factor(orig_13$centry)

orig_13 <- cbind(orig_13, centry = dummy(orig_13$centry))

orig_13 <- dplyr::select(orig_13, to_keep, starts_with("centry."))

options(scipen = 999) # turn off scientific notation

country_dummies <- colnames(orig_13)[grepl("centry*", colnames(orig_13))]

results_table4_1 <- list()
for(i in 1:length(dep_var)){
  results_table4_1[[i]] <- glm(as.formula(paste(dep_var[i],
paste(c("~foreignpct",
controls, country_dummies),
collapse="+"))),
data = orig_13,
family = "binomial")
}

results_table4_2 <- list()
for(i in 1:length(dep_var)){
  results_table4_2[[i]] <- glm(as.formula(paste(dep_var[i],
paste(c("~foreignpct + socx",
controls, country_dummies),
collapse="+"))),
data = orig_13,

```

```

        family = "binomial")
}

results_table4_3 <- list()
for(i in 1:length(dep_var)){

results_table4_3[[i]] <- glm(as.formula(paste(dep_var[i],
                                             paste(c("~foreignpct + emprate",
                                                    controls, country_dummies),
                                                    collapse="+")),
                             data = orig_13,
                             family = "binomial")

}

results_table5_1 <- list()
for(i in 1:length(dep_var)){

results_table5_1[[i]] <- glm(as.formula(paste(dep_var[i],
                                             paste(c("~netmigpct",
                                                    controls, country_dummies),
                                                    collapse="+")),
                             data = orig_13,
                             family = "binomial")

}

results_table5_2 <- list()
for(i in 1:length(dep_var)){

results_table5_2[[i]] <- glm(as.formula(paste(dep_var[i],
                                             paste(c("~netmigpct + socx",
                                                    controls, country_dummies),
                                                    collapse="+")),
                             data = orig_13,
                             family = "binomial")

}

results_table5_3 <- list()
for(i in 1:length(dep_var)){

results_table5_3[[i]] <- glm(as.formula(paste(dep_var[i],
                                             paste(c("~netmigpct + emprate",
                                                    controls, country_dummies),
                                                    collapse="+")),
                             data = orig_13,
                             family = "binomial")

}

results_table5_4 <- list()
for(i in 1:length(dep_var)){

results_table5_4[[i]] <- glm(as.formula(paste(dep_var[i],
                                             paste(c("~netmigpct + foreignpct",
                                                    controls, country_dummies),
                                                    collapse="+")),
                             data = orig_13,
                             family = "binomial")

}

```

```

        data = orig_13,
        family = "binomial")
}

coef_table <- NULL

for(i in 1:6){
  tmp_res <- results_table4_1[[i]]
  tmp_coef <- summary(tmp_res)$coefficients
  tmp_needed <- t(round(cbind(exp(tmp_coef[,1]), tmp_coef[,3]), 3))

  tmp_col <- c(tmp_needed[,2], "", "", "", "", "", "", "",
    tmp_needed[,c(3:ncol(tmp_needed), 1)], "",
    nobs(tmp_res),
    paste(paste0(substr(
      colnames(tmp_res$data)[grepl("cntry*", colnames(tmp_res$data))],
      14,
      nchar(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))])),
      ": ",
      colSums(tmp_res$data[, grepl("cntry*", colnames(tmp_res$data))])),
    collapse = " | "))
  coef_table <- cbind(coef_table, tmp_col)
}

for(i in 1:6){
  tmp_res <- results_table4_2[[i]]
  tmp_coef <- summary(tmp_res)$coefficients
  tmp_needed <- t(round(cbind(exp(tmp_coef[,1]), tmp_coef[,3]), 3))

  tmp_col <- c(tmp_needed[,2], tmp_needed[,3], "", "", "", "", "",
    tmp_needed[,c(4:ncol(tmp_needed), 1)], "",
    nobs(tmp_res),
    paste(paste0(substr(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))],
      14, nchar(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))])),
      ": ",
      colSums(tmp_res$data[, grepl("cntry*", colnames(tmp_res$data))])),
    collapse = " | "))
  coef_table <- cbind(coef_table, tmp_col)
}

for(i in 1:6){
  tmp_res <- results_table4_3[[i]]
  tmp_coef <- summary(tmp_res)$coefficients
  tmp_needed <- t(round(cbind(exp(tmp_coef[,1]), tmp_coef[,3]), 3))

  tmp_col <- c(tmp_needed[,2], "", "", tmp_needed[,3], "", "", "",
    tmp_needed[,c(4:ncol(tmp_needed), 1)], "",
    nobs(tmp_res),
    paste(paste0(substr(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))],
      14, nchar(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))])),
      ": ",
      colSums(tmp_res$data[, grepl("cntry*", colnames(tmp_res$data))])),
    collapse = " | "))
  coef_table <- cbind(coef_table, tmp_col)
}

```

```

for(i in 1:6){
  tmp_res <- results_table5_1[[i]]
  tmp_coef <- summary(tmp_res)$coefficients
  tmp_needed <- t(round(cbind(exp(tmp_coef[,1]), tmp_coef[,3]), 3))

  tmp_col <- c("", "", "", "", "", "", tmp_needed[,2], "",
    tmp_needed[,c(3:ncol(tmp_needed), 1)], "",
      nobs(tmp_res),
      paste(paste0(substr(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))],
14, nchar(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))])),
": ",
colSums(tmp_res$data[, grepl("cntry*", colnames(tmp_res$data))])),
collapse = " | ")
  coef_table <- cbind(coef_table, tmp_col)
}

for(i in 1:6){
  tmp_res <- results_table5_2[[i]]
  tmp_coef <- summary(tmp_res)$coefficients
  tmp_needed <- t(round(cbind(exp(tmp_coef[,1]), tmp_coef[,3]), 3))

  tmp_col <- c("", "", tmp_needed[,3], "", "", tmp_needed[,2], "",
    tmp_needed[,c(4:ncol(tmp_needed), 1)], "",
      nobs(tmp_res),
      paste(paste0(substr(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))],
14, nchar(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))])),
": ",
colSums(tmp_res$data[, grepl("cntry*", colnames(tmp_res$data))])),
collapse = " | ")
  coef_table <- cbind(coef_table, tmp_col)
}

for(i in 1:6){
  tmp_res <- results_table5_3[[i]]
  tmp_coef <- summary(tmp_res)$coefficients
  tmp_needed <- t(round(cbind(exp(tmp_coef[,1]), tmp_coef[,3]), 3))

  tmp_col <- c("", "", "", "", tmp_needed[,3], tmp_needed[,2], "",
    tmp_needed[,c(4:ncol(tmp_needed), 1)], "",
      nobs(tmp_res),
      paste(paste0(substr(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))],
14, nchar(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))])),
": ",
colSums(tmp_res$data[, grepl("cntry*", colnames(tmp_res$data))])),
collapse = " | ")
  coef_table <- cbind(coef_table, tmp_col)
}

for(i in 1:6){
  tmp_res <- results_table5_4[[i]]
  tmp_coef <- summary(tmp_res)$coefficients
  tmp_needed <- t(round(cbind(exp(tmp_coef[,1]), tmp_coef[,3]), 3))

```

```

tmp_col <- c(tmp_needed[,3], "", "", "", "", tmp_needed[,2], "",
  tmp_needed[,c(4:ncol(tmp_needed), 1)], "",
    nobs(tmp_res),
    paste(paste0(substr(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))],
      14, nchar(colnames(tmp_res$data)[grepl("cntry*",
colnames(tmp_res$data))])),
      ": ",
      colSums(tmp_res$data[, grepl("cntry*", colnames(tmp_res$data))])),
  collapse = " | ")
coef_table <- cbind(coef_table, tmp_col)
}

colnames(coef_table) <- paste(paste0(" ", 1:42, " "),
  c("Jobs", "Unemp", "Income Dif.", "Old", "House",
    "Health"))

control_names <- rownames(tmp_coef)[4:nrow(tmp_coef)]

control_names[12:length(control_names)] <- paste0("Country: ",
  substr(control_names[12:length(control_names)],
    14,
    nchar(control_names[12:length(control_names))]))

i <- seq_len(length(control_names))
control_names <- control_names[rep(i, each=2) ]
control_names[i*2] <- ""
coef_table <- cbind(c("Foreign-born (%)", "", "Social Welfare Expenditures (%)", "",
  "Employment Rate (%)", "",
    "Net Migration (%)", "", "INDIVIDUAL-LEVEL VARIABLES",
  control_names, "Constant", "", "",
    "Observations (individual level)", "Observations (per
  Country)"),
  coef_table)

write.csv2(coef_table, "coef_table.csv", row.names = F)

```

Team: 71
Software: Stata
Version: ORIGINAL

```
version 14.2
clear all

use za4700,clear
rename *,lower

egen insamp = anymatch(v3a), ///
    values(36 124 208 246 250 276 372 392 528 554 578 620 724 752 756 826 840)
keep if insamp
gen year=2006

local iso "au ca dk fi fr de ie jp nl nz no pt es se ch gb us"
local cntry "36 124 208 246 250 276 372 392 528 554 578 620 724 752 756 826 840"
gen region=0
gen hhinc=.
gen rinc=.
forvalues i=1/17 {
    local x:word `i' of `cntry'
    local c:word `i' of `iso'
    di `x'
    di "`c'"
    replace region=`c'_reg if v3a==`x'
    replace hhinc= `c'_inc if v3a==`x'
    replace rinc= `c'_rinc if v3a==`x'
}

recode region (1 2=1) (3 4=2) (5=3) (6=4) (7 8=5) (9=6) if v3==392

replace region= v3a*100+region

rename v1 study
rename v2 id
rename v3 xcountry
rename v3a cntry
rename v4 obey
rename v5 okmeet
rename v6 okprotest
rename v7 okstrike
rename v8 okrevmeet
rename v9 okrevbooks
rename v10 guilty
rename v11 favspendcut
rename v12 favjobs
rename v13 favdereg
rename v14 favtech
rename v15 favoldind
rename v16 favhrscap
rename v17 spndenv
rename v18 spndhlth
rename v19 spndlwa
rename v20 spnded
rename v21 spnddef
rename v22 spndret
rename v23 spndunemp
rename v24 spndarts
rename v25 govjobs
rename v26 govprice
```

```

rename v27      govsick
rename v28      govelder
rename v29      govindus
rename v30      govunemp
rename v31      govineq
rename v32      govфинаid
rename v33      govhouse
rename v34      govenv
rename v44      intpolitics
rename v45      noinfluence
rename v46      avinfluence
rename v47      undissues
rename v48      othme
rename v49      polpromises
rename v50      civtrusted
rename v51      taxhi
rename v52      taxmid
rename v53      taxlo

foreach var of varlist * {
    cap assert mi(`var')
    if _rc==0 {
        drop `var'
    }
}
numlabel _all,add

foreach var of new jobs sick elder unemp ineq house {
    gen `var'=gov`var'
    recode `var' 2=1 3 4=0
}

gen agesq=age^2

rename married1 married
rename married2 widow
rename married3 divorce
recode divorce 0=1 if married4==1
rename married5 single

gen female=sex-1
gen hhsz=hompop
gen child=hhcycle
label var child "Any child in hh?"
recode child 1 5 9 11 13 15 17 19 21 95=0 2/4 6/8 10 12 14 16 18 20=1

gen suburb=urbrural
label var suburb "Suburb or town (vs, urban/rural)"
recode suburb 1 4 5=0 2 3=1
gen rural=urbrural
label var rural "Rural (vs. Urban/Suburb)"
recode rural 1 2 3=0 4 5=1

gen lths=degree
label var lths "Less than secondary"
recode lths 0 1 2=1 3 4 5=0
gen uni=degree
label var uni "Completed university"
recode uni 0 1 2 3 4=0 4 5=1

gen emppt=wrkst>=2 & wrkst<=4 if wrkst<.
label var emppt "Part-time"
gen empun=wrkst==5 if wrkst<.

```

```

label var empun "Unemployed"
gen empnilf= wrkst
recode empnilf 1/5=0 6/10=1
label var empnilf "Not in labor force"
gen empself=wrktyp==4 if wrkst<.
label var empself "Self-employed"
gen emppub=wrktyp>=1 & wrktyp<=2 if wrkst<.
label var emppub "Public sector"

gen zincwgt=.
label var zincwgt "Std Income (weighted)"
gen zinc=.
label var zinc "Std Income (unweighted)"
gen zrincwgt=.
label var zrincwgt "Std Own Income (weighted)"
gen zrinc=.
label var zrinc "Std Own Income (unweighted)"

foreach x in 36 124 208 246 250 276 372 392 528 554 578 620 724 752 756 826 840 {
    qui sum hhinc if cntry==`x' [aw=weight]
    replace zincwgt=(hhinc-r(mean))/r(sd) if cntry ==`x'
    qui sum hhinc if cntry==`x'
    replace zinc=(hhinc-r(mean))/r(sd) if cntry==`x'
    qui sum rinc if cntry==`x' [aw=weight]
    replace zrincwgt=(rinc-r(mean))/r(sd) if cntry ==`x'
    qui sum rinc if cntry==`x'
    replace zrinc=(rinc-r(mean))/r(sd) if cntry==`x'
}

gen relhi=attend
recode relhi 1 2 3 4 5=1 6 7 8=0
label var relhi "Hi religious attendance"
gen rello=attend
recode rello 1 2 3 4 5 8=0 6 7=1
label var rello "Lo or no religious attendance"
tab attend relhi,m
tab attend rello,m

merge m:1 cntry year using bradyfinnigan2014countrydata.dta,nolabel
keep if _merge==3
drop _merge
gen chforpct=cforborn/(foreignpct-cforborn)
label var chforpct "Decade chg in %Foreign-born"

local depvar "jobs unemp ineq elder house sick"
local rvar "age agesq female single divorce widow hhsz child rural suburb lths uni
    emppt empun empnilf empself emppub zinc* rello relhi"
local source "sex age marital hompop hhcycle urbrural degree wrkst attend"
local macro "foreignpct netmigpct chforpct socx socdem liberal emprate mcp"

markout insamp `rvar'

egen ninc=count(ineq) if insamp,by(cntry)
tabstat `depvar' ninc if insamp,by(cntry) s(mean) format(%9.3g)
foreach var of varlist `depvar' {
    di "`var' =>"
    qui meqrlogit `var' || cntry: if insamp
    estat icc
}

foreach x of numlist 3/6 {

```



```

    drop v`x'*
}

drop ninc
save cridata,replace

use za2900.dta, clear
egen insamp96 = anymatch(v3), values(1 2 3 4 6 10 12 13 19 20 24 25 27 30)
keep if insamp96
gen year=1996

gen cntry=v3
recode cntry 1=36 2 3=276 4=826 6=840 10=372 12=578 13=752 19=554 20=124 24=392 25=724
27=250 30=756

gen region=0
replace region= v302 if v3==20
replace region= v308 if v3==27
replace region= v306 if v3== 2 | v3==3
replace region= v314 if v3==24
replace region= v317 if v3==19
replace region= v316 if v3==12
replace region= v307 if v3==25
replace region= v321 if v3==13
replace region= v303 if v3==30
replace region= v309 if v3== 4
replace region= v323 if v3== 6

recode region .=0
recode region (1=4) (2 12 13 19=3) (3/7 9=6) (8 14/18 20=5) (10 11 24 26=2) ///
(22 23 25=1) (21=7) if v3==30

recode region (1=4) (2=3) (3=7) (4=8) (5=5) (6=1) (7=2) (8=1)
recode region .=0
replace region= cntry*100+region

rename v1 study
rename v2 id
rename v4 obey
rename v5 okmeet
rename v6 okprotest
rename v7 okstrike
rename v8 umeet
rename v9 uprotest
rename v10 umeet5
rename v11 uprotest5
rename v12 okrevmeet
rename v13 okrevbooks
rename v14 guilty
rename v15 privacy
rename v16 wealth
rename v17 favwages
rename v18 favprices
rename v19 favspendcut
rename v20 favjobs
rename v21 favdereg
rename v22 favtech
rename v23 favoldind
rename v24 favhrscap

```

```
rename v25      spndenv
rename v26      spndhlth
rename v27      spndlhw
rename v28      spnded
rename v29      spnddef
rename v30      spndret
rename v31      spndunemp
rename v32      spndarts
rename v33      powunions
rename v34      powindustry
rename v35      powgovernment
rename v36      govjobs
rename v37      govprice
rename v38      gowsick
rename v39      govelder
rename v40      govindus
rename v41      govunemp
rename v42      govineq
rename v43      govfinaid
rename v44      govhouse
rename v45      govenv
rename v46      intpolitics
rename v47      noinfluence
rename v48      avinfluence
rename v49      polimpact
rename v50      undissues
rename v51      eleattentionom
rename v52      othme
rename v53      polpromises
rename v54      civtrusted
rename v55      satdemoc
rename v56      taxchg
rename v57      taxhi
rename v58      taxmid
rename v59      taxlo
rename v60      pubutility
rename v61      pubhosp
rename v62      pubbank
rename v63      tradeoffue
rename v64      tradeofftx
rename v65      taxwages
rename v66      taxb
rename v67      taxc
rename v68      taxd
rename v200     sex
rename v201     age
rename v202     marital
rename v203     cohab
rename v204     educyrs
rename v205     degree
rename v206     wrkst
rename v207     spwrkst
rename v208     isco88
rename v209     occ
rename v210     spisco88
rename v211     spocc
rename v212     privpub
rename v213     selfemp
rename v214     nemploy
rename v215     wrkhrrs
rename v216     wrksup
rename v217     earn
rename v218     faminc
```

```

rename v219 relig
rename v220 attend
rename v221 class
rename v222 union
rename v223 leftright
rename v272 whyvote
rename v273 hompop
rename v274 hhcycle
rename v275 urbrural
rename v276 sizAustralia
rename v278 sizCanada
rename v282 sizGermany
rename v283 sizSpain
rename v284 sizFrance
rename v285 sizBritain
rename v289 sizIreland
rename v290 sizJapan
rename v292 sizNorway
rename v293 sizZealand
rename v297 sizSweden
rename v299 sizUSA
rename v324 orilanguage
rename v325 weight

rename *, lower
foreach var of varlist * {
    cap assert mi(`var')
    if _rc==0 {
        drop `var'
    }
}
numlabel _all,add

alpha govjobs govicks govelder govunemp govineq govhouse, std

foreach var of new jobs sick elder unemp ineq house {
    gen `var'=gov`var'
    recode `var' 2=1 3 4=0
}

sum age
gen agesq=age^2

gen female=sex-1

gen hhsz=hompop

rename married1 married
rename married2 widow
rename married3 divorce
recode divorce 0=1 if married4==1
rename married5 single

gen child=hhcycle
label var child "Any child in hh?"
recode child 1 5 9 11 13 15 17 19 21 95=0 2/4 6/8 10 12 14 16 18 20=1

gen suburb=urbrural
label var suburb "Suburb or town (vs, urban/rural)"
recode suburb 1 3=0 2=1
gen rural=urbrural

```

```

label var rural "Rural (vs. Urban/Suburb)"
recode rural 1 2=0 3=1
gen lths=degree
label var lths "Less than secondary"
recode lths 1/4=1 5/7=0

gen uni=degree
label var uni "Completed university"
recode uni 1/6=0 7=1
tab degree lths,m
tab degree uni,m

gen emppt=wrkst>=2 & wrkst<=4
label var emppt "Part-time"
gen empun=wrkst==5
label var empun "Unemployed"
gen empnilf= wrkst
recode empnilf 1/5=0 6/10=1
label var empnilf "Not in labor force"
gen empself=selfemp==1
label var empself "Self-employed"
gen emppub= privpub>=1 & privpub<=2
label var emppub "Public sector"

gen zincwgt=.
label var zincwgt "Std Income (weighted)"
gen zinc=.
label var zinc "Std Income (unweighted)"
foreach x of numlist 36 124 250 276 372 392 554 578 724 752 756 826 840 {
    qui sum faminc if centry==`x' [aw=weight]
    replace zincwgt=(faminc-r(mean))/r(sd) if centry ==`x'
    qui sum faminc if centry==`x'
    replace zinc=(faminc-r(mean))/r(sd) if centry==`x'
}

gen relhi=attend
recode relhi 1/4=1 5 6=0
label var relh "Hi religious attendance (vs Lo/no)"
gen rello=attend
recode rello 1/4 6=0 5=1
label var rello "Lo religious attendance (vs hi/no)"

merge m:1 centry year using bradyfinnigan2014countrydata.dta,nolabel
keep if _merge==3
drop _merge

drop v2* v3*

tempfile temp
save `temp',replace
use cridata, clear
append using `temp'
save cridata,replace
describe

quietly {
    label define region 3600 "NAP, other countries"
    label define region 3601 "New South Wales" , modify
    label define region 3602 "Victoria" , modify
    label define region 3603 "Queensland" , modify
    label define region 3604 "South Australia" , modify
    label define region 3605 "Western Australia" , modify

```

label define region 3606	"Tasmania" , modify
label define region 3607	"Australian Capital Territory" , modify
label define region 3608	"Northern Territory" , modify
label define region 3699	"na" , modify
label define region 12499	"na" , modify
label define region 12400	"nav" , modify
label define region 12401	"Newfoundland" , modify
label define region 12402	"Nova Scotia" , modify
label define region 12403	"P E I" , modify
label define region 12404	"New Brunswick" , modify
label define region 12405	"Quebec" , modify
label define region 12406	"Ontario" , modify
label define region 12407	"Manitoba" , modify
label define region 12408	"Saskatchewan" , modify
label define region 12409	"Alberta" , modify
label define region 12410	"British Colombia" , modify
label define region 20800	"NAP, other countries" , modify
label define region 20801	"Capital Region of Denmark" , modify
label define region 20802	"Region Sealand" , modify
label define region 20803	"Region of Southern Denmark" , modify
label define region 20804	"Central Denmark Region" , modify
label define region 20805	"Region North Jutland" , modify
label define region 20806	"Copenhagen municipality" , modify
label define region 20807	"Frederiksberg municipality", modify
label define region 24600	"NAP, other countries" , modify
label define region 24601	"Uusimaa" , modify
label define region 24602	"Varsinais-Suomi" , modify
label define region 24604	"Satakunta" , modify
label define region 24605	"Kanta-Haeme" , modify
label define region 24606	"Pirkanmaa" , modify
label define region 24607	"Paeijaet-Haeme" , modify
label define region 24608	"Kymenlaakso" , modify
label define region 24609	"South Karelia" , modify
label define region 24610	"Etelae-Savo" , modify
label define region 24611	"Pohjois-Savo" , modify
label define region 24612	"North Karelia" , modify
label define region 24613	"Central Finland" , modify
label define region 24614	"South Ostrobothnia" , modify
label define region 24615	"Ostrobothnia" , modify
label define region 24616	"Central Ostrobothnia" , modify
label define region 24617	"North Ostrobothnia" , modify
label define region 24618	"Kainuu" , modify
label define region 24619	"Lapland" , modify
label define region 24620	"Itae-Uusimaa" , modify
label define region 24621	"Aland" , modify
label define region 24698	"dk" , modify
label define region 25000	"nav" , modify
label define region 25001	"Ain" , modify
label define region 25002	"Aisne" , modify
label define region 25003	"Allier" , modify
label define region 25004	"Alpes-Hte-Provence" , modify
label define region 25005	"Hautes-Alpes" , modify
label define region 25006	"Alpes-Maritimes" , modify
label define region 25007	"Ardeche" , modify
label define region 25008	"Ardennes" , modify
label define region 25009	"Ariege" , modify
label define region 25010	"Aube" , modify
label define region 25011	"Aude" , modify
label define region 25012	"Aveyron" , modify
label define region 25013	"Bouche-du-Rhone" , modify
label define region 25014	"Calvados" , modify
label define region 25015	"Cantal" , modify
label define region 25016	"Charente" , modify

label	define	region	25017	"Charente-Maritime" , modify
label	define	region	25018	"Cher" , modify
label	define	region	25019	"Correze" , modify
label	define	region	25020	"Haute-Corse" , modify
label	define	region	25021	"Cote-d Or" , modify
label	define	region	25022	"Cotes-d Armor" , modify
label	define	region	25023	"Creuse" , modify
label	define	region	25024	"Dordogne" , modify
label	define	region	25025	"Doubs" , modify
label	define	region	25026	"Drome" , modify
label	define	region	25027	"Eure" , modify
label	define	region	25028	"Eure-et-Loir" , modify
label	define	region	25029	"Finistere" , modify
label	define	region	25030	"Gard" , modify
label	define	region	25031	"Haute-Garonne" , modify
label	define	region	25032	"Gers" , modify
label	define	region	25033	"Gironde" , modify
label	define	region	25034	"Herault" , modify
label	define	region	25035	"Ille-et-Vilaine" , modify
label	define	region	25036	"Indre" , modify
label	define	region	25037	"Indre-et-Loire" , modify
label	define	region	25038	"Isere" , modify
label	define	region	25039	"Jura" , modify
label	define	region	25040	"Landes" , modify
label	define	region	25041	"Loir-et-Cher" , modify
label	define	region	25042	"Loire" , modify
label	define	region	25043	"Haute-Loire" , modify
label	define	region	25044	"Loire-Atlantique" , modify
label	define	region	25045	"Loiret" , modify
label	define	region	25046	"Lot" , modify
label	define	region	25047	"Lot-et-Garonne" , modify
label	define	region	25048	"Lozere" , modify
label	define	region	25049	"Maine-et-Loire" , modify
label	define	region	25050	"Manche" , modify
label	define	region	25051	"Marne" , modify
label	define	region	25052	"Haute-Marne" , modify
label	define	region	25053	"Mayenne" , modify
label	define	region	25054	"Meurthe-et-Moselle" , modify
label	define	region	25055	"Meuse" , modify
label	define	region	25056	"Morbihan" , modify
label	define	region	25057	"Moselle" , modify
label	define	region	25058	"Nièvre" , modify
label	define	region	25059	"Nord" , modify
label	define	region	25060	"Oise" , modify
label	define	region	25061	"Orne" , modify
label	define	region	25062	"Pas-de-Calais" , modify
label	define	region	25063	"Puy-de-Dome" , modify
label	define	region	25064	"Pyrenees-Atlantiques" , modify
label	define	region	25065	"Hautes-Pyrenees" , modify
label	define	region	25066	"Pyrenees-Orientales" , modify
label	define	region	25067	"Bas-Rhin" , modify
label	define	region	25068	"Haut-Rhin" , modify
label	define	region	25069	"Rhone" , modify
label	define	region	25070	"Haute-Saone" , modify
label	define	region	25071	"Saone-et-Loire" , modify
label	define	region	25072	"Sarthe" , modify
label	define	region	25073	"Savoie" , modify
label	define	region	25074	"Haute-Savoie" , modify
label	define	region	25075	"Ville de Paris" , modify
label	define	region	25076	"Seine-Maritime" , modify
label	define	region	25077	"Seine-et-Marne" , modify
label	define	region	25078	"Yvelines" , modify
label	define	region	25079	"Deux-Sevres" , modify

label define region 25080	"Somme" , modify
label define region 25081	"Tarn" , modify
label define region 25082	"Tarn-et-Garonne" , modify
label define region 25083	"Var" , modify
label define region 25084	"Vaucluse" , modify
label define region 25085	"Vendee" , modify
label define region 25086	"Vienne" , modify
label define region 25087	"Haute-Vienne" , modify
label define region 25088	"Vosges" , modify
label define region 25089	"Yonne" , modify
label define region 25090	"Belfort (Territoire)" , modify
label define region 25091	"Essone" , modify
label define region 25092	"Hauts-de-Seine" , modify
label define region 25093	"Seine-Saint-Denis" , modify
label define region 25094	"Val-de-Marne" , modify
label define region 25095	"Val-d Oise" , modify
label define region 25096	"Corse-Sud" , modify
label define region 25097	"D O M" , modify
label define region 25098	"T O M" , modify
label define region 25099	"na" , modify
label define region 27600	"nav" , modify
label define region 27601	"Schleswig-Holstein" , modify
label define region 27602	"Hamburg" , modify
label define region 27603	"Niedersachsen" , modify
label define region 27604	"Bremen" , modify
label define region 27605	"Nordrhein-Westfalen" , modify
label define region 27606	"Hessen" , modify
label define region 27607	"Rheinland-Pfalz" , modify
label define region 27608	"Baden-Wuerttemberg" , modify
label define region 27609	"Bayern" , modify
label define region 27610	"Saarland" , modify
label define region 27611	"Berlin-Ost" , modify
label define region 27612	"Mecklbg-Vorpommern" , modify
label define region 27613	"Brandenburg" , modify
label define region 27614	"Sachsen-Anhalt" , modify
label define region 27615	"Thueringen" , modify
label define region 27616	"Sachsen" , modify
label define region 27617	"Berlin-West" , modify
label define region 37200	"NAP, other countries" , modify
label define region 37201	"Border" , modify
label define region 37202	"Dublin" , modify
label define region 37203	"Mid-East" , modify
label define region 37204	"Midland" , modify
label define region 37205	"Mid-West" , modify
label define region 37206	"South-East" , modify
label define region 37207	"South-West" , modify
label define region 37208	"West" , modify
label define region 39200	"nav" , modify
label define region 39201	"Hokkaido, Tohoku" , modify
label define region 39202	"Kanto, Koshin-etsu" , modify
label define region 39203	"Chubu" , modify
label define region 39204	"Kinki" , modify
label define region 39205	"Chugoku, Shikoku" , modify
label define region 39206	"Kyushu" , modify
label define region 52800	"NAP, other countries" , modify
label define region 52801	"Groningen" , modify
label define region 52802	"Friesland" , modify
label define region 52803	"Drente" , modify
label define region 52804	"Overijssel" , modify
label define region 52805	"Gelderland" , modify
label define region 52806	"Utrecht" , modify
label define region 52807	"Noord-Holland" , modify
label define region 52808	"Zuid-Holland" , modify

label define region 52809	"Zeeland" , modify
label define region 52810	"Noord-Brabant" , modify
label define region 52811	"Limburg" , modify
label define region 52812	"Flevoland" , modify
label define region 52813	"Abroad, foreign country (Buitenland)" , modify
label define region 55400	"nav" , modify
label define region 55401	"Northland" , modify
label define region 55402	"Auckland" , modify
label define region 55403	"Thames Valley" , modify
label define region 55404	"Bay of Plenty" , modify
label define region 55405	"Waikato" , modify
label define region 55406	"Tongariro" , modify
label define region 55407	"East Cape" , modify
label define region 55408	"Hawkes Bay" , modify
label define region 55409	"Taranaki" , modify
label define region 55410	"Wanganui" , modify
label define region 55411	"Manawatu" , modify
label define region 55412	"Horowhenua" , modify
label define region 55413	"Wellington" , modify
label define region 55414	"Wairarapa" , modify
label define region 55415	"Nelson Bays" , modify
label define region 55416	"Marlborough" , modify
label define region 55417	"West Coast" , modify
label define region 55418	"Canterbury" , modify
label define region 55419	"Aorangi" , modify
label define region 55420	"Clutha-Centr Otago" , modify
label define region 55421	"Coastal-North Otago" , modify
label define region 55422	"Southland" , modify
label define region 55499	"na" , modify
label define region 57800	"nav" , modify
label define region 57801	"Central east" , modify
label define region 57802	"East" , modify
label define region 57803	"South" , modify
label define region 57804	"West" , modify
label define region 57805	"Middle" , modify
label define region 57806	"North" , modify
label define region 62000	"NAP, other countries" , modify
label define region 62001	"North" , modify
label define region 62002	"Centre" , modify
label define region 62003	"Lisbon and Tagus Valley" , modify
label define region 62004	"Alentejo" , modify
label define region 62005	"Algarve" , modify
label define region 72400	"nav" , modify
label define region 72401	"Andalucia" , modify
label define region 72402	"Aragon" , modify
label define region 72403	"Asturias" , modify
label define region 72404	"Balears" , modify
label define region 72405	"Canarias" , modify
label define region 72406	"Cantabria" , modify
label define region 72407	"Castilla-La Mancha" , modify
label define region 72408	"Castilla-Leon" , modify
label define region 72409	"Cataluna" , modify
label define region 72410	"Pais Valenciano" , modify
label define region 72411	"Extremadura" , modify
label define region 72412	"Galicia" , modify
label define region 72413	"Madrid" , modify
label define region 72414	"Region de Murcia" , modify
label define region 72415	"Navarra" , modify
label define region 72416	"Pais Vasco" , modify
label define region 72417	"La Rioja" , modify
label define region 75200	"nav" , modify
label define region 75201	"North" , modify
label define region 75202	"North mid" , modify


```

label define region 75203 "East mid" , modify
label define region 75204 "Stockholm" , modify
label define region 75205 "West" , modify
label define region 75206 "Mid North" , modify
label define region 75207 "Smaaland Gotland" , modify
label define region 75208 "South" , modify
label define region 75209 "Malmoe" , modify
label define region 75600 "NAP, other countries" , modify
label define region 75601 "Region Lemanique" , modify
label define region 75602 "Espace Mittelland" , modify
label define region 75603 "Nordschweiz" , modify
label define region 75604 "Zuerich" , modify
label define region 75605 "Ostschweiz" , modify
label define region 75606 "Zentralschweiz" , modify
label define region 75607 "Ticino" , modify
label define region 82600 "nav" , modify
label define region 82601 "Scotland" , modify
label define region 82602 "North,North West,Yorkshire Hbs" , modify
label define region 82603 "West, East Midlands" , modify
label define region 82604 "Wales" , modify
label define region 82605 "East Anglia,South West,S-E" , modify
label define region 82606 "Greater London" , modify
label define region 84000 "nav" , modify
label define region 84001 "New England" , modify
label define region 84002 "Middle Atlantic" , modify
label define region 84003 "East North Central" , modify
label define region 84004 "West North Central" , modify
label define region 84005 "South Atlantic" , modify
label define region 84006 "East South Central" , modify
label define region 84007 "West South Central" , modify
label define region 84008 "Mountain" , modify
label define region 84009 "Pacific" , modify

label val region region
}

local depvar "jobs unemp ineq elder house sick"
local macro "foreignpct netmigpct socx emprate mcp"
local rvar "age agesq female lths uni emppt empun empnilf empself zinc"

mark s2samp if year==1996
markout s2samp marital attend
recode s2samp 0=1 if cntry==724 & year==1996

markout s2samp `rvar'

egen ninc=count(ineq) if s2samp,by(cntry)
local depvar "jobs unemp ineq elder house sick"
tabstat `depvar' ninc if s2samp,by(cntry) s(mean) format(%9.3g)

egen inpool=anymatch(cntry),values(36 124 250 276 372 392 554 578 724 752 756 826 840)
markout inpool `rvar'
tab year inpool if ineq<.

sum `depvar' if inpool,sep(0)
sum `macro' `rvar' if ineq<. & inpool,sep(0)

logit jobs `rvar' i.cntry i.year if inpool

compress
recode insamp .=0

```

```

order cntry year
save cridata,replace

egen count=sum(inpool),by(cntry year)
bysort country: gen totcount= count[1] + count[_N]
gen cweight=weight*totcount/count
sum ineq if inpool [aw=cweight]
drop count totcount

sum ineq if insamp | (inpool & year==1996)
sum age if insamp | (inpool & year==1996)

sum ineq if insamp | s2samp
sum age if insamp | s2samp

gen byte insampx=insamp|s2samp
recode insampx 1=0 if cntry==724 & year==1996
sum ineq if insampx & cntry==724
sum age if (insamp | s2samp)
sum ineq if s2samp | (inpool & year==2006)
sum age if s2samp | (inpool & year==2006)

version 14.2
clear all

use cridata,clear
drop insamp inpool s2samp

local depvar "jobs unemp ineq elder house sick"
local macro "foreignpct netmigpct socx emprate"
local macro06 "foreignpct netmigpct chforpct socx socdem liberal emprate mcp"
local rvar "age agesq female lths
uni emppt empun empnilf empself zinc"
local rvar06 "age agesq female single divorce widow hhsz child rural suburb lths
uni emppt empun empnilf empself emppub zinc rello relhi"
local source06 "sex age degree wrkst faminc marital hompop hhcycle urbrural attend
faminc"

egen insamp = anymatch(cntry), ///
values(36 124 208 246 250 276 372 392 528 554 578 620 724 752 756 826 840)
keep if insamp

markout insamp `rvar'

gen byte inpool=insamp
recode inpool 1=0 if cntry==208 | cntry==246 | cntry==528 | cntry==620
label var inpool "Pooled sample"

gen byte s2samp=inpool
label var s2samp "S2 Drops missing on relig attendance and marital status X Spain"

recode s2samp 1=0 if year==2006
recode s2samp 1=0 if attend==. & cntry !=724
recode s2samp 1=0 if marital==. & cntry !=724

recode insamp 1=0 if year==1996
markout insamp `rvar06'

egen ninc06=count(ineq) if insamp,by(cntry)
tabstat `depvar' ninc06 if insamp,by(cntry) s(mean) format(%9.3g)
foreach var of varlist `depvar' {
di "`var' =>"

```

```

    qui meqrlogit `var' || centry: if insamp
    estat icc
}

egen ninc96=count(ineq) if s2samp,by(centry)

local depvar "jobs unemp ineq elder house sick"
local macro "foreignpct netmigpct socx emprate"
local macro06 "foreignpct netmigpct chforpct socx socdem liberal emprate mcp"
local rvar "age agesq female lths uni
emppt empun empnilf empself zinc"
local rvar06 "age agesq female single divorce widow hhsz child rural suburb lths uni
emppt empun empnilf empself emppub zinc rello relhi"

qui foreach var of varlist `depvar' {
    eststo S6_`var':logistic `var' `rvar' i.centry i.year if inpool
}

esttab S6* using S6.csv, replace eform b(3) z(3) drop(*.centry *.year)

qui foreach var of varlist `depvar' {
    eststo T4_1`var':logistic `var' foreignpct `rvar' i.centry i.year if inpool
    eststo T4_2`var':logistic `var' foreignpct socx `rvar' i.centry i.year if inpool
    eststo T4_3`var':logistic `var' foreignpct emprate `rvar' i.centry i.year if inpool
}
esttab T4_1* using T4.csv, replace nogaps noobs nonotes nonumbers eform b(3)
z(3) keep(foreignpct)
esttab T4_2* using T4.csv, append nogaps noobs nonotes nonumbers nomtitle eform b(3)
z(3) keep(foreignpct socx)
esttab T4_3* using T4.csv, append nogaps nonotes nonumbers nomtitle eform b(3)
z(3) keep(foreignpct emprate)

qui foreach var of varlist `depvar' {
    eststo T5_1`var':logistic `var' netmigpct `rvar' i.centry i.year if inpool
    eststo T5_2`var':logistic `var' netmigpct socx `rvar' i.centry i.year if inpool
    eststo T5_3`var':logistic `var' netmigpct emprate `rvar' i.centry i.year if inpool
    eststo T5_4`var':logistic `var' netmigpct foreignpct `rvar' i.centry i.year if inpool
}

esttab T5_1* using T5.csv, replace nogaps noobs nonotes nonumbers eform b(3) z(3)
keep(netmigpct)
esttab T5_2* using T5.csv, append nogaps noobs nonotes nonumbers eform b(3) z(3)
keep(netmigpct socx)
esttab T5_3* using T5.csv, append nogaps noobs nonotes nonumbers eform b(3) z(3)
keep(netmigpct emprate)
esttab T5_4* using T5.csv, append nogaps nonumbers eform b(3) z(3)
keep(netmigpct foreignpct)

```

Team: 72
Software: R
Version: ORIGINAL

```
rm(list=ls())
library(quanteda)
library(ggplot2)
library(stringr)
library(tidyverse)
library(hrbrthemes)
library(ggrepel)
library(dplyr)
library(lme4)
library(stargazer)

data.1996 <- read.csv(file = "ZA2900.csv", header = TRUE, sep = ",",
                      stringsAsFactors = FALSE, na.strings=c("", ".", "NA"))
data.2006 <- read.csv(file = "ZA4700.csv", header = TRUE, sep = ",",
                      stringsAsFactors = FALSE, colClasses = "character",
                      na.strings=c("", ".", "NA"))
country.data <- read.csv(file = "bradyfinnigan2014countrydata.csv", header = TRUE, sep
= ",",
                      stringsAsFactors = FALSE, na.strings=c("", ".", "NA"))

names(data.1996)[names(data.1996) == 'v3'] <- 'country'
data.1996 <- data.1996[which(data.1996$country%in%(c("aus",
                                                    "cdn",
                                                    "D-W",
                                                    "D-E",
                                                    "f",
                                                    "irl",
                                                    "j",
                                                    "nz",
                                                    "n",
                                                    "ch",
                                                    "s",
                                                    "e",
                                                    "gb",
                                                    "usa"))),]

data.1996$country[data.1996$country == "aus"] <- "Australia"
data.1996$country[data.1996$country == "cdn"] <- "Canada"
data.1996$country[data.1996$country == "D-W" | data.1996$country == "D-E"] <-
  "Germany"
data.1996$country[data.1996$country == "f"] <- "France"
data.1996$country[data.1996$country == "irl"] <- "Ireland"
data.1996$country[data.1996$country == "j"] <- "Japan"
data.1996$country[data.1996$country == "nz"] <- "New Zealand"
data.1996$country[data.1996$country == "n"] <- "Norway"
data.1996$country[data.1996$country == "e"] <- "Spain"
data.1996$country[data.1996$country == "s"] <- "Sweden"
data.1996$country[data.1996$country == "ch"] <- "Switzerland"
data.1996$country[data.1996$country == "gb"] <- "United Kingdom"
data.1996$country[data.1996$country == "usa"] <- "United States"

names(data.1996)[names(data.1996) == 'v36'] <- 'jobs'
data.1996$jobs[data.1996$jobs == "Probably should" | data.1996$jobs == "Definitely
should"] = 1
```

```

data.1996$jobs[data.1996$jobs == "Probably not" | data.1996$jobs == "Definitely not"]
= 0
data.1996$jobs <- as.factor(data.1996$jobs)

names(data.1996)[names(data.1996) == 'v41'] <- 'unemployment'
data.1996$unemployment[data.1996$unemployment == "Probably should" |
  data.1996$unemployment == "Definitely should"] = 1
data.1996$unemployment[data.1996$unemployment == "Probably not" |
  data.1996$unemployment == "Definitely not"] = 0
data.1996$unemployment <- as.factor(data.1996$unemployment)

names(data.1996)[names(data.1996) == 'v42'] <- 'income'
data.1996$income[data.1996$income == "Probably should" | data.1996$income ==
  "Definitely should"] = 1
data.1996$income[data.1996$income == "Probably not" | data.1996$income == "Definitely
  not"] = 0
data.1996$income <- as.factor(data.1996$income)

names(data.1996)[names(data.1996) == 'v39'] <- 'retirement'
data.1996$retirement[data.1996$retirement == "Probably should" | data.1996$retirement
  == "Definitely should"] = 1
data.1996$retirement[data.1996$retirement == "Probably not" | data.1996$retirement ==
  "Definitely not"] = 0
data.1996$retirement <- as.factor(data.1996$retirement)

names(data.1996)[names(data.1996) == 'v44'] <- 'housing'
data.1996$housing[data.1996$housing == "Probably should" | data.1996$housing ==
  "Definitely should"] = 1
data.1996$housing[data.1996$housing == "Probably not" | data.1996$housing ==
  "Definitely not"] = 0
data.1996$housing <- as.factor(data.1996$housing)

names(data.1996)[names(data.1996) == 'v38'] <- 'healthcare'
data.1996$healthcare[data.1996$healthcare == "Probably should" | data.1996$healthcare
  == "Definitely should"] = 1
data.1996$healthcare[data.1996$healthcare == "Probably not" | data.1996$healthcare ==
  "Definitely not"] = 0
data.1996$healthcare <- as.factor(data.1996$healthcare)

names(data.1996)[names(data.1996) == 'v201'] <- 'age'
data.1996$age[data.1996$age == "97 years"] <- "97"
data.1996$age <- as.numeric(data.1996$age)
data.1996$age_squared = data.1996$age^2

names(data.1996)[names(data.1996) == 'v200'] <- 'female'
data.1996$female <- ifelse(data.1996$female == "Female", 1, 0)
names(data.1996)[names(data.1996) == 'v202'] <- 'marital'

data.1996$never_married <- data.1996$marital
data.1996$never_married <- ifelse(data.1996$never_married == "not married", 1, 0)

data.1996$divorced <- data.1996$marital
data.1996$divorced <- ifelse(data.1996$divorced == "divorced" |
  data.1996$divorced == "separated", 1, 0)

data.1996$widowed <- data.1996$marital
data.1996$widowed <- ifelse(data.1996$widowed == "widowed", 1, 0)

names(data.1996)[names(data.1996) == 'v273'] <- 'household_size'

names(data.1996)[names(data.1996) == 'v274'] <- 'children_in_the_household'

```

```

data.1996$children_in_the_household[data.1996$children_in_the_household ==
  "Otherwise"] <- NA
children <- grep("child", data.1996$children_in_the_household)
data.1996$children_in_the_household[children] = 1
data.1996$children_in_the_household[data.1996$children_in_the_household != "1"] = "0"
data.1996$children_in_the_household <- as.numeric(data.1996$children_in_the_household)

rm(children)

names(data.1996)[names(data.1996) == 'v275'] <- 'urbrural'
data.1996$suburban <- ifelse(data.1996$urbrural == "Suburbs, city-town", 1, 0)
data.1996$rural <- ifelse(data.1996$urbrural == "Rural", 1, 0)

names(data.1996)[names(data.1996) == 'v205'] <- 'education'

data.1996$less_than_secondary <- data.1996$education
data.1996$less_than_secondary <- ifelse(data.1996$less_than_secondary == "Incp1
  primary" |
  "Incp1 secondary" |
  "None;still at school,uni" |
  "Primary compl" , 1, 0)
data.1996$less_than_secondary ==
data.1996$less_than_secondary ==
data.1996$less_than_secondary ==

data.1996$university_or_above <- data.1996$education
data.1996$university_or_above <- ifelse(data.1996$university_or_above == "University
  compl" , 1, 0)

names(data.1996)[names(data.1996) == 'v206'] <- 'wrkst'

data.1996$unemployed <- ifelse(data.1996$wrkst == "Unemployed", 1, 0)
data.1996$part_time_employed <- ifelse(data.1996$wrkst == "P-t empl,main job" |
  data.1996$wrkst == "Less part-time"
  , 1, 0)
data.1996$not_in_labor_force <- ifelse(data.1996$wrkst == "Oth,n i lab force" |
  data.1996$wrkst == "Permanent
  disabled" |
  data.1996$wrkst == "Retired" , 1,
  0)
data.1996$self_employed <- ifelse(data.1996$v213 == "Self-employed RP:informell" &
  !is.na(data.1996$wrkst), 1, 0)

names(data.1996)[names(data.1996) == 'v218'] <- 'relative_income'
temp <- str_extract_all(data.1996$relative_income, '\\d+', simplify = TRUE)
temp[temp == ""] <- NA
class(temp) <- "numeric"
temp <- rowMeans(temp, na.rm = TRUE)
temp <- data.frame(data.1996$country, temp)
temp <- temp %>% group_by(data.1996.country) %>% mutate(temp = scale(temp))

data.1996$relative_income <- temp$temp

rm(temp)

names(data.1996)[names(data.1996) == 'v220'] <- 'attend'

```

```

data.1996$low_religious_attendance <- as.factor(ifelse(data.1996$attend == "Less
frequently a year", 1, 0))
data.1996$high_religious_attendance <- as.factor(ifelse(data.1996$attend == "Sev times
a year" |
week or more" |
month" |
times a month", 1, 0))

data.1996$attend == "Once a
data.1996$attend == "Once a
data.1996$attend == "2-3

keep <- c("country", "jobs", "unemployment", "income", "retirement", "housing",
"healthcare", "age", "age_squared", "less_than_secondary", "university_or_above",
"female", "never_married", "divorced", "widowed", "household_size",
"children_in_the_household", "suburban", "rural", "unemployed", "part_time_employed",
"not_in_labor_force", "self_employed", "relative_income", "low_religious_attendance",
"high_religious_attendance")

data.1996 <- data.1996[keep]
data.1996$year <- 1996

#data.1996 <- na.omit(data.1996)

names(data.2006)[names(data.2006) == 'V3'] <- 'country'

data.2006$country[data.2006$country == '276.1'] <- 'DE-Germany'
data.2006$country[data.2006$country == '276.2'] <- 'DE-Germany'
data.2006$country[data.2006$country == '826.1'] <- 'UK-United Kingdom'

data.2006 <- data.2006[which(data.2006$country%in%(c("AU-Australia",
"CA-Canada",
"DK-Denmark",
"FI-Finland",
"FR-France",
"DE-Germany",
"IE-Ireland",
"JP-Japan",
"NL-Netherlands",
"NZ-New Zealand",
"NO-Norway",
"PT-Portugal",
"ES-Spain",
"SE-Sweden",
"CH-Switzerland",
"UK-United Kingdom",
"US-United States"))),]

data.2006$country <- gsub(".*-", "", data.2006$country)

names(data.2006)[names(data.2006) == 'V25'] <- 'jobs'
data.2006$jobs[data.2006$jobs == "Probably should be" | data.2006$jobs == "Definitely
should be"] = 1
data.2006$jobs[data.2006$jobs == "Probably should not be" | data.2006$jobs ==
"Definitely should not be"] = 0
data.2006$jobs <- as.factor(data.2006$jobs)

names(data.2006)[names(data.2006) == 'V30'] <- 'unemployment'
data.2006$unemployment[data.2006$unemployment == "Probably should be" |
data.2006$unemployment == "Definitely should be"] = 1
data.2006$unemployment[data.2006$unemployment == "Probably should not be" |
data.2006$unemployment == "Definitely should not be"] = 0
data.2006$unemployment <- as.factor(data.2006$unemployment)

```

```

names(data.2006)[names(data.2006) == 'V31'] <- 'income'
data.2006$income[data.2006$income == "Probably should be" | data.2006$income ==
  "Definitely should be"] = 1
data.2006$income[data.2006$income == "Probably should not be" | data.2006$income ==
  "Definitely should not be"] = 0
data.2006$income <- as.factor(data.2006$income)

names(data.2006)[names(data.2006) == 'V28'] <- 'retirement'
data.2006$retirement[data.2006$retirement == "Probably should be" |
  data.2006$retirement == "Definitely should be"] = 1
data.2006$retirement[data.2006$retirement == "Probably should not be" |
  data.2006$retirement == "Definitely should not be"] = 0
data.2006$retirement <- as.factor(data.2006$retirement)

names(data.2006)[names(data.2006) == 'V33'] <- 'housing'
data.2006$housing[data.2006$housing == "Probably should be" | data.2006$housing ==
  "Definitely should be"] = 1
data.2006$housing[data.2006$housing == "Probably should not be" | data.2006$housing ==
  "Definitely should not be"] = 0
data.2006$housing <- as.factor(data.2006$housing)

names(data.2006)[names(data.2006) == 'V27'] <- 'healthcare'
data.2006$healthcare[data.2006$healthcare == "Probably should be" |
  data.2006$healthcare == "Definitely should be"] = 1
data.2006$healthcare[data.2006$healthcare == "Probably should not be" |
  data.2006$healthcare == "Definitely should not be"] = 0
data.2006$healthcare <- as.factor(data.2006$healthcare)

data.2006$age <- as.numeric(data.2006$age)
data.2006$age_squared = data.2006$age^2

names(data.2006)[names(data.2006) == 'sex'] <- 'female'
data.2006$female <- ifelse(data.2006$female == "Female", 1, 0)

data.2006$never_married <- data.2006$marital
data.2006$never_married <- ifelse(data.2006$never_married == "Never married,single",
  1, 0)

data.2006$divorced <- data.2006$marital
data.2006$divorced <- ifelse(data.2006$divorced == "Divorced" |
  data.2006$divorced == "Separated (married but
  sep./not living w legal spouse)", 1, 0)

data.2006$widowed <- data.2006$marital
data.2006$widowed <- ifelse(data.2006$widowed == "Widowed", 1, 0)

names(data.2006)[names(data.2006) == 'hompop'] <- 'household_size'

names(data.2006)[names(data.2006) == 'hhcycle'] <- 'children_in_the_household'

data.2006$children_in_the_household[data.2006$children_in_the_household == "Other"] <-
  NA
children <- grep("child", data.2006$children_in_the_household)
data.2006$children_in_the_household[children] = 1
data.2006$children_in_the_household[data.2006$children_in_the_household != "1"] = "0"
data.2006$children_in_the_household <- as.numeric(data.2006$children_in_the_household)

rm(children)

data.2006$suburban <- ifelse(data.2006$urbrural == "Suburb,outskirt of a big city"|
  data.2006$urbrural == "Town or small city", 1, 0)

```



```

data.2006$rural <- ifelse(data.2006$urbrural == "Farm or home in the country"|
                        data.2006$urbrural == "Country village,other type of
community" , 1, 0)

names(data.2006)[names(data.2006) == 'degree'] <- 'education'

data.2006$less_than_secondary <- data.2006$education
data.2006$less_than_secondary <- ifelse(data.2006$less_than_secondary == "Above higher
secondary level,other qualification" |
                                         data.2006$less_than_secondary == "Above
lowest qualification" |
                                         data.2006$less_than_secondary == "Lowest
formal qualification" |
                                         data.2006$less_than_secondary == "No formal
qualification, incomplete primary" , 1, 0)

data.2006$university_or_above <- data.2006$education
data.2006$university_or_above <- ifelse(data.2006$university_or_above == "University
degree completed, graduate studies" , 1, 0)

data.2006$unemployed <- ifelse(data.2006$wrkst == "Unemployed", 1, 0)
data.2006$part_time_employed <- ifelse(data.2006$wrkst == "Employed, less than part-
time" |
                                         data.2006$wrkst == "Employed, part-
time,main job" , 1, 0)
data.2006$not_in_labor_force <- ifelse(data.2006$wrkst == "Other,not in labour force"
|
                                         data.2006$wrkst == "Permanently
disabled" |
                                         data.2006$wrkst == "Retired"|
                                         data.2006$wrkst == "Helping family
member" |
                                         data.2006$wrkst ==
"Student,school,vocational training" |
                                         data.2006$wrkst == "Housewife,-
man,home duties" , 1, 0)

data.2006$self_employed <- ifelse(data.2006$wrktype == "Self employed" &
!is.na(data.2006$wrkst), 1, 0)

income.variables <- grep("_INC", names(data.2006))
income.variables <- data.2006[income.variables]

for (i in 1:ncol(income.variables)) {
  temp <- str_replace_all(income.variables[,i], "[.]", "")
  temp <- str_extract_all(temp, '\\d+', simplify = TRUE)
  temp[temp == ""] <- NA
  class(temp) <- "numeric"
  temp <- rowMeans(temp)
  temp <- scale(temp)
  income.variables[,i] <- temp
  rm(temp, i)
}

data.2006$relative_income <- rowSums(income.variables, na.rm =
TRUE)*ifelse(rowSums(is.na(income.variables)) == ncol(income.variables), NA, 1)

rm(income.variables)

data.2006$low_religious_attendance <- ifelse(data.2006$attend == "Once a year" |
                                             data.2006$attend == "Less
frequently", 1, 0)

```

```

data.2006$high_religious_attendance <- ifelse(data.2006$attend == "2 or 3 times a
month" |
month" |
week,GB: once a week or more" |
a year" |
times a week, IL: + every day", 1, 0)

data.2006$attend == "Once a
data.2006$attend == "Once a
data.2006$attend == "Sev times
data.2006$attend == "Several

keep <- c("country", "jobs", "unemployment", "income", "retirement", "housing",
"healthcare", "age", "age_squared", "less_than_secondary", "university_or_above",
"female", "never_married", "divorced", "widowed", "household_size",
"children_in_the_household", "suburban", "rural", "unemployed", "part_time_employed",
"not_in_labor_force", "self_employed", "relative_income", "low_religious_attendance",
"high_religious_attendance")

data.2006 <- data.2006[keep]
data.2006$year <- 2006

rm(keep)

data.2006 <- merge(data.2006, country.data, by=c("country","year"))
data.1996 <- merge(data.1996, country.data, by = c("country", "year"))

data <- rbind(data.1996, data.2006)

data.table.4 <- data[-which(data$country%in%(c("Denmark", "Finland", "Netherlands",
"Portugal"))),]

table.4.1 <- function(dv, data){# Supply DV, data frame
fit <- glm(dv ~ foreignpct +
age + age_squared + female + less_than_secondary +
university_or_above +
part_time_employed + unemployed + not_in_labor_force +
self_employed + relative_income +
as.factor(year) + as.factor(country),
family = binomial, data = data)
return(fit)
}

table.4.2 <- function(dv, data){
fit <- glm(dv ~ foreignpct + socx +
age + age_squared + female + less_than_secondary +
university_or_above +
part_time_employed + unemployed + not_in_labor_force +
self_employed + relative_income +
as.factor(year) + as.factor(country),
family = binomial, data = data)
return(fit)
}

table.4.3 <- function(dv, data){
fit <- glm(dv ~ foreignpct + emprate +
age + age_squared + female + less_than_secondary +
university_or_above +
part_time_employed + unemployed + not_in_labor_force +
self_employed + relative_income +
as.factor(year) + as.factor(country),
family = binomial, data = data)

```

```

return(fit)
}

model4.1.jobs <- table.4.1(data.table.4$jobs, data.table.4)
model4.2.jobs <- table.4.2(data.table.4$jobs, data.table.4)
model4.3.jobs <- table.4.3(data.table.4$jobs, data.table.4)

model4.1.unemployment <- table.4.1(data.table.4$unemployment, data.table.4)
model4.2.unemployment <- table.4.2(data.table.4$unemployment, data.table.4)
model4.3.unemployment <- table.4.3(data.table.4$unemployment, data.table.4)

model4.1.income <- table.4.1(data.table.4$income, data.table.4)
model4.2.income <- table.4.2(data.table.4$income, data.table.4)
model4.3.income <- table.4.3(data.table.4$income, data.table.4)

model4.1.retirement <- table.4.1(data.table.4$retirement, data.table.4)
model4.2.retirement <- table.4.2(data.table.4$retirement, data.table.4)
model4.3.retirement <- table.4.3(data.table.4$retirement, data.table.4)

model4.1.housing <- table.4.1(data.table.4$housing, data.table.4)
model4.2.housing <- table.4.2(data.table.4$housing, data.table.4)
model4.3.housing <- table.4.3(data.table.4$housing, data.table.4)

model4.1.healthcare <- table.4.1(data.table.4$healthcare, data.table.4)
model4.2.healthcare <- table.4.2(data.table.4$healthcare, data.table.4)
model4.3.healthcare <- table.4.3(data.table.4$healthcare, data.table.4)

output <- stargazer(model4.1.jobs, model4.2.jobs, model4.3.jobs,
                    model4.1.unemployment, model4.2.unemployment,
                    model4.3.unemployment,
                    model4.1.income, model4.2.income, model4.3.income,
                    model4.1.retirement, model4.2.retirement, model4.3.retirement,
                    model4.1.housing, model4.2.housing, model4.3.housing,
                    model4.1.healthcare, model4.2.healthcare, model4.3.healthcare,
                    type = "text", title = "Table 4", no.space=TRUE, single.row =
FALSE,
                    column.labels = c("Model 1 jobs", "Model 2 jobs", "Model 3 jobs",
"Model 1 unemployment", "Model 2 unemployment",
"Model 3 unemployment",
"Model 1 income", "Model 2 income", "Model 3
income",
"Model 1 retirement", "Model 2 retirement",
"Model 3 retirement",
"Model 1 housing", "Model 2 housing", "Model 3
housing",
"Model 1 healthcare", "Model 2 healthcare",
"Model 3 healthcare"), report=("vc*t"),
                    t.auto=F, p.auto=F, apply.coef=exp,
                    model.names = FALSE, dep.var.labels.include = FALSE,
                    dep.var.caption = "XXX",
                    notes = "",
                    style = "aprsr",
                    star.cutoffs = c(0.1, 0.05, 0.01, 0.001),
                    star.char = c("+", "*", "**", "***"),
                    notes.append = FALSE)

write(output, file = "Table4.txt")

data.table.5 <- data[-which(data$country%in%(c("Denmark", "Finland", "Netherlands",
"Portugal"))),]

table.5.1 <- function(dv, data){

```

```

fit <- glm(dv ~ netmigpct +
            age + age_squared + female + less_than_secondary +
            university_or_above +
            part_time_employed + unemployed + not_in_labor_force +
            self_employed + relative_income +
            as.factor(year) + as.factor(country),
            family = binomial, data = data)
return(fit)
}

table.5.2 <- function(dv, data){
fit <- glm(dv ~ netmigpct + socx +
            age + age_squared + female + less_than_secondary +
            university_or_above +
            part_time_employed + unemployed + not_in_labor_force +
            self_employed + relative_income +
            as.factor(year) + as.factor(country),
            family = binomial, data = data)
return(fit)
}

table.5.3 <- function(dv, data){
fit <- glm(dv ~ netmigpct + emprate +
            age + age_squared + female + less_than_secondary +
            university_or_above +
            part_time_employed + unemployed + not_in_labor_force +
            self_employed + relative_income +
            as.factor(year) + as.factor(country),
            family = binomial, data = data)
return(fit)
}

table.5.4 <- function(dv, data){
fit <- glm(dv ~ netmigpct + foreignpct +
            age + age_squared + female + less_than_secondary +
            university_or_above +
            part_time_employed + unemployed + not_in_labor_force +
            self_employed + relative_income +
            as.factor(year) + as.factor(country),
            family = binomial, data = data)
return(fit)
}

model5.1.jobs <- table.5.1(data.table.5$jobs, data.table.5)
model5.2.jobs <- table.5.2(data.table.5$jobs, data.table.5)
model5.3.jobs <- table.5.3(data.table.5$jobs, data.table.5)
model5.4.jobs <- table.5.4(data.table.5$jobs, data.table.5)

model5.1.unemployment <- table.5.1(data.table.5$unemployment, data.table.5)
model5.2.unemployment <- table.5.2(data.table.5$unemployment, data.table.5)
model5.3.unemployment <- table.5.3(data.table.5$unemployment, data.table.5)
model5.4.unemployment <- table.5.4(data.table.5$unemployment, data.table.5)

model5.1.income <- table.5.1(data.table.5$income, data.table.5)
model5.2.income <- table.5.2(data.table.5$income, data.table.5)
model5.3.income <- table.5.3(data.table.5$income, data.table.5)
model5.4.income <- table.5.4(data.table.5$income, data.table.5)

model5.1.retirement <- table.5.1(data.table.5$retirement, data.table.5)
model5.2.retirement <- table.5.2(data.table.5$retirement, data.table.5)
model5.3.retirement <- table.5.3(data.table.5$retirement, data.table.5)
model5.4.retirement <- table.5.4(data.table.5$retirement, data.table.5)

```

```

model5.1.housing <- table.5.1(data.table.5$housing, data.table.5)
model5.2.housing <- table.5.2(data.table.5$housing, data.table.5)
model5.3.housing <- table.5.3(data.table.5$housing, data.table.5)
model5.4.housing <- table.5.4(data.table.5$housing, data.table.5)

model5.1.healthcare <- table.5.1(data.table.5$healthcare, data.table.5)
model5.2.healthcare <- table.5.2(data.table.5$healthcare, data.table.5)
model5.3.healthcare <- table.5.3(data.table.5$healthcare, data.table.5)
model5.4.healthcare <- table.5.4(data.table.5$healthcare, data.table.5)

output <- stargazer(model5.1.jobs, model5.2.jobs, model5.3.jobs, model5.4.jobs,
                    model5.1.unemployment, model5.2.unemployment,
                    model5.3.unemployment, model5.4.unemployment,
                    model5.1.income, model5.2.income, model5.3.income,
                    model5.4.income,
                    model5.1.retirement, model5.2.retirement, model5.3.retirement,
                    model5.4.retirement,
                    model5.1.housing, model5.2.housing, model5.3.housing,
                    model5.4.housing,
                    model5.1.healthcare, model5.2.healthcare, model5.3.healthcare,
                    model5.4.healthcare,
                    type = "text", title = "Table 4", no.space=TRUE, single.row =
FALSE,
                    column.labels = c("Model 1 jobs", "Model 2 jobs", "Model 3 jobs",
"Model 4 jobs",
                                "Model 1 unemployment", "Model 2 unemployment",
"Model 3 unemployment", "Model 4 unemployment",
                                "Model 1 income", "Model 2 income", "Model 3
income", "Model 4 income",
                                "Model 1 retirement", "Model 2 retirement",
"Model 3 retirement", "Model 4 retirement",
                                "Model 1 housing", "Model 2 housing", "Model 3
housing", "Model 4 housing",
                                "Model 1 healthcare", "Model 2 healthcare",
"Model 3 healthcare", "Model 4 healthcare"), report=("vc*t"),
                    t.auto=F, p.auto=F, apply.coef=exp,
                    model.names = FALSE, dep.var.labels.include = FALSE,
dep.var.caption = "XXX",
                    notes = "",
                    style = "apsr",
                    star.cutoffs = c(0.1, 0.05, 0.01, 0.001),
                    star.char = c("+", "*", "**", "***"),
                    notes.append = FALSE)

write(output, file = "Table5.txt")

```

Team: 73
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta"

recode v3 (1=36) (20=124) (14=203) (27=250) (2=276) (3=276) (8=348) (10=372) (22=376)
  (23=376) (24=392) (16=428) (11=528) (19=554) (12=578) (16=616) (18=643) (15=705)
  (25=724) (13=752) (30=756) (4=826) (6=840), into(cntry)

gen year=1996 if v1==2900

recode v36 (1/2=1) (3/4=0), gen(bin_jobs)
recode v41 (1/2=1) (3/4=0), gen(bin_unemp)
recode v42 (1/2=1) (3/4=0), gen(bin_incom)
recode v39 (1/2=1) (3/4=0), gen(bin_retire)
recode v44 (1/2=1) (3/4=0), gen(bin_house)
recode v38 (1/2=1) (3/4=0), gen(bin_health)

gen age=v201
gen agesq=age*age

recode v200 (1 = 0 "male") (2 = 1 "female") (. = .), gen(female)
recode v205 (1/4 = 1 "less than sec") (5 6 = 2 "secondary") (7 = 3 "university or
  above") (. = .), gen(edu)
recode v206 (1 = 1 "full-time") (2 3 4 = 2 "part-time") (5 = 3 "unemployed") (6 7 8 9
  10 = 4 "not in labor force") (. = .), gen(work)

gen selfemp = 1 if v213 == 1
recode selfemp (. = 0)
replace selfemp = . if v206 == .

gen pubemp = 1 if v212 == 1 | v212 == 2
recode pubemp (. = 0)
replace pubemp = . if v206 == .

gen income_standard = .
levelsof cntry, local(countries)
foreach l of local countries {
  sum v218 if cntry == `l'
  replace income_standard = (v218 - r(mean))/ r(sd) if cntry == `l'
}

recode v202 (1 = 1 "married") (2 = 4 "widowed") (3 4 = 3 "divorced/separated") (5 = 2
  "never married") (. = .), gen(married)
gen urban = v275

recode v220 (6 = 1 "never") (3/5 = 2 "low religious attendance") (1 2 = 3 "high
  religious attendance"), gen(relatt)
gen hhsize=v273
recode v274 (2 3 4 6 7 8 10 12 14 16 18 20 22 24 26 28 = 1 "children") (1 5 9 11 13 15
  17 19 21 23 25 27 95 = 0 "no children"), gen(child)

keep cntry year bin_jobs bin_unemp bin_incom bin_retire bin_house bin_health
  income_standard age agesq female edu work selfemp pubemp married urban relatt hhsize
  child
save "ZA2900_edited.dta", replace

use "ZA4700.dta"

gen cntry = V3a
```

```

gen year=2006 if V1==4700

recode V25 (1/2=1) (3/4=0), gen(bin_jobs)
recode V30 (1/2=1) (3/4=0), gen(bin_unemp)
recode V31 (1/2=1) (3/4=0), gen(bin_incom)
recode V28 (1/2=1) (3/4=0), gen(bin_retire)
recode V33 (1/2=1) (3/4=0), gen(bin_house)
recode V27 (1/2=1) (3/4=0), gen(bin_health)

gen agesq=age*age

recode sex (1 = 0 "male") (2 = 1 "female") (. = .), gen(female)

recode degree (0 1 2 = 1 "less than sec") (3 4 = 2 "secondary") (5 = 3 "university or
  above") (. = .), gen(edu)

recode wrkst (1 = 1 "full-time") (2 3 4 = 2 "part-time") (5 = 3 "unemployed") (6 7 8 9
  10 = 4 "not in labor force") (. = .), gen(work)

gen selfemp = 1 if wrktype == 4
recode selfemp (. = 0)
replace selfemp = . if wrkst == .

gen pubemp = 1 if wrktype == 1 | wrktype == 2
recode pubemp (. = 0)
replace pubemp = . if wrkst == .

gen income_standard = .
local country_var = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DO_INC ES_INC FI_INC
  FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
  PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach 1 of local country_var {
  sum `1'
  replace income_standard = (`1' - r(mean))/ r(sd) if `1' !=.
}

recode marital (1 = 1 "married") (2 = 4 "widowed") (3 4 = 3 "divorced/separated") (5 =
  2 "never married") (. = .), gen(married)
recode urbrural (1 = 1 "urban") (2 3 = 2 "suburb,city,town,county seat") (4 5 = 3
  "rural") (. = .), gen(urban)
recode attend (8 = 1 "never") (4/7 = 2 "low religious attendance") (1/3 = 3 "high
  religious attendance"), gen(relatt)

gen hhsize=hompop
recode hhcycle (2 3 4 6 7 8 10 12 14 16 18 20 22 24 26 28 = 1 "children") (1 5 9 11 13
  15 17 19 21 23 25 27 95 = 0 "no children"), gen(child)

keep ethnic mode weight cntry year bin_jobs bin_unemp bin_incom bin_retire bin_house
  bin_health income_standard age agesq female edu work selfemp pubemp married urban
  relatt hhsize child
save "ZA4700_edited.dta", replace

use "ZA2900_edited.dta"

append using "ZA4700_edited.dta"

save "Individual_Merged.dta", replace

merge m:1 cntry year using "bradyfinnigan2014countrydata.dta"
save "Merged.dta", replace

```

```

tab work, gen(wk)
tab edu, gen(ed)

recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
  (752=1) (756=1) (826=1) (840=1), gen(country13)

global controls "bin_incom age agesq female ed1 ed3 wk2 wk3 wk4 selfemp
  income_standard"
egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (1/11=0)

global controls "age agesq female ib2.edu i.work selfemp income_standard i.year"
global DV "bin_jobs bin_unemp bin_incom bin_retire bin_house bin_health"

foreach DV in $DV {
logit `DV' foreignpct $controls i.cntry if country13==1, or
}

foreach DV in $DV {
logit `DV' foreignpct socx $controls i.cntry if country13==1, or
}

foreach DV in $DV {
logit `DV' foreignpct emprate $controls i.cntry if country13==1, or
}

foreach DV in $DV {
logit `DV' $controls i.cntry if country13==1, or
}

foreach DV in $DV {
logit `DV' netmigpct $controls i.cntry if country13==1, or
}

foreach DV in $DV {
logit `DV' netmigpct socx $controls i.cntry if country13==1, or
}

foreach DV in $DV {
logit `DV' netmigpct emprate $controls i.cntry if country13==1, or
}

foreach DV in $DV {
logit `DV' netmigpct foreignpct $controls i.cntry if country13==1, or
}

```


Team: 74
Software: SPSS
Version: ORIGINAL

```
GET
  STATA FILE='ZA4700.dta'.
DATASET NAME DataSet4 WINDOW=FRONT.
SAVE OUTFILE ='ZA4700_1.sav'.

GET FILE='ZA4700_1.sav'.
DATASET NAME DataSet4 WINDOW=FRONT.

recode v28 v30 v31 v25  (1 thru 2 = 1) (3 thru 4 = 0) INTO  Oldagecare  Unemployment
  Redincomdiff Jobs  .
VALUE LABELS v28 v30 v31 v25
  1 'affirmative'
  0 'non affirmative'.
EXECUTE.

compute age_sq = age * age.
recode degree (0 thru 2 = 11) (3 thru 5 = 12) .
VALUE LABELS degree
  11 'primary or less'
  12 'secondary and university or more'.

compute emplcat = 0.
if wrkst = 1 emplcat = 4.
if (wrkst = 2 or wrkst = 3) emplcat = 1.
if (wrkst = 4) emplcat = 1.
if (wrkst = 4 and wrkhrs ge 35 and wrkhrs lt 97) emplcat = 4.
if (wrkst = 4 and wrkhrs lt 35 or wrkhrs ge 97) emplcat = 1.
if (wrkst = 5 ) emplcat = 3.
if (wrkst ge 6 and wrkst le 10) emplcat = 2.

VALUE LABELS emplcat
  1 'part-time'
  2 'not active'
  3 'activ unemployed'
  4 'full time'.

SAVE OUTFILE='ZA4700_2.sav'
  /KEEP V1 V3 Oldagecare  Unemployment Redincomdiff Jobs sex age age_sq  degree
  emplcat.

GET
  STATA FILE='ZA2900.dta'.
DATASET NAME DataSet4 WINDOW=FRONT.
SAVE OUTFILE ='ZA2900_1.sav'.

GET FILE='ZA2900_1.sav'.

recode v39 v41 v42 v36 (1 thru 2 = 1) (3 thru 4 = 0) INTO Oldagecare  Unemployment
  Redincomdiff Jobs  .
VALUE LABELS v39 v41 v42 v36
  1 'affirmative'
  0 'non affirmative'.
EXECUTE.

RENAME VARIABLES V200 = sex.
RENAME VARIABLES V201 = age.
```

```

compute age_sq = age * age.
EXECUTE.

RENAME VARIABLES V205 = degree.
recode degree (1 thru 3 = 11) (4 thru 7 = 12) .
VALUE LABELS degree
    11 'primary or less'
    12 'secondary and university or more'.

compute emplcat = 0.

if V206= 1 emplcat = 4.
if (V206 = 2 or V206 = 3) emplcat = 1.

temp.
sel if V206 = 4.

if (V206 = 4) emplcat = 1.
if (V206 = 4 and V215 ge 35 and V215 lt 97) emplcat = 4.
if (V206 = 4 and V215 lt 35 or V215 ge 97) emplcat = 1.

if (V206 = 5 ) emplcat = 3.

if (V206 ge 6 and V206 le 10) emplcat = 2.

VALUE LABELS emplcat
1 'part-time'
2 'not active'
3 'activ unemployed'
4 'full time'.

SAVE OUTFILE='ZA2900_2.sav'
/KEEP V1 V3 Oldagecare Unemployment Redincomdiff Jobs sex age age_sq degree
emplcat.

GET FILE='ZA2900_2.sav'.

if (V3 = 2 or V3 = 3) V3 = 32.
EXECUTE.

compute cntry = 0.

if V3 = 32 cntry = 276.
if V3 = 14 cntry = 203.
if V3 = 27 cntry = 250.
if V3 = 8 cntry = 348.
if V3 = 10 cntry = 372.
if V3 = 26 cntry = 428.
if V3 = 12 cntry = 578.
if V3 = 16 cntry = 616.
if V3 = 15 cntry = 705.
if V3 = 25 cntry = 724.
if V3 = 13 cntry = 752.
if V3 = 30 cntry = 756.
if V3 = 4 cntry = 826.
EXECUTE.

compute delete = 0.
if cntry lt 100 delete = 1.
EXECUTE.

sel if delete =0.

```

```

SAVE OUTFILE='ZA2900_3.sav'
/ DROP V3.

GET FILE='ZA4700_2.sav'.

COMPUTE cntry = v3.
if V3 ge 276 and V3 lt 277 cntry = 276.
EXECUTE.

if V3 ge 826 and V3 lt 827 cntry = 826.
EXECUTE.

compute delete = 1.
if (cntry = 276 or cntry = 203 or cntry = 250 or cntry = 348 or cntry = 372 or
cntry = 428 or cntry = 578 or cntry = 616 or cntry = 705 or cntry = 724
or cntry = 752 or cntry = 756 or cntry = 826) delete = 0.
EXECUTE.

sel if delete = 0.

SAVE OUTFILE='ZA4700_3.sav'
/ DROP V3.

ADD FILES /FILE= 'ZA4700_3.sav'
/FILE='ZA2900_3.sav'.
EXECUTE.
SAVE OUTFILE='ISSP.sav'
/ DROP delete.

GET FILE='ISSP.sav'.
SAVE TRANSLATE OUTFILE='ISSP.dta'
/TYPE=STATA
/VERSION=13
/EDITION=INTERCOOLED
/MAP
/REPLACE.

```

Team: 74
Software: Stata
Version: ORIGINAL

```

use L2data.dta, clear
sort cntry year

keep if
  cntry==203|cntry==250|cntry==276|cntry==348|cntry==372|cntry==428|cntry==578|cntry==6
  16 ///
  |cntry==705|cntry==724|cntry==752|cntry==756|cntry==826

tab cntry

sort cntry year
save L2data_macro_v1.dta, replace

use ISSP.dta, clear
gen year=1996 if V1==2900
replace year=2006 if V1!=2900

sort cntry year

```

```

merge m:1 cntry year using L2data_macro_v1.dta

drop _merge

save compl_v1.dta, replace

use compl_v1.dta, clear

label var foreignpct "Immigrant Stock"
label var netmigpct "Change in Immigrant Stock"
label var socx "Social Welfare Expenditures"
label var emprate "Employment Rate"
ere

global indiv_level "sex age age_sq degree emplcat"

foreach var of varlist Oldagecare Unemployment Redincomdiff Jobs {
  xtmelogit `var' $indiv_level i.year foreignpct || cntry:, or
  eststo m1_4 `var'
  xtmelogit `var' $indiv_level i.year foreignpct socx || cntry:, or
  eststo m5_8 `var'
  xtmelogit `var' $indiv_level i.year foreignpct emprate || cntry:, or
  eststo m9_12 `var'
  xtmelogit `var' $indiv_level i.year netmigpct || cntry:, or
  eststo m13_16 `var'
  xtmelogit `var' $indiv_level i.year netmigpct socx || cntry:, or
  eststo m17_20 `var'
  xtmelogit `var' $indiv_level i.year netmigpct emprate || cntry:, or
  eststo m21_24 `var'
}
esttab m* using all24.rtf, replace eform cons

```

Team: 75
Software: SPSS
Version: ORIGINAL

```
DATASET CLOSE ALL.
get stata file="ZA4700.dta".

RENAME VARIABLES v3a = cntry.

RECODE sex (1 = 0) (2 = 1) (SYSMIS = -99).

COMPUTE age2 = age*age.
RECODE age2 (sysmis = -99).

RECODE age (SYSMIS = -99).

CROSSTABS age BY age2.

COMPUTE edup = 0.
IF (degree = 0 OR degree = 1) edup = 1.
IF (degree = 8 OR degree = 9) edup = -99.
IF sysmis(degree) edup = -99.
FREQUENCIES edup.
COMPUTE edus = 0.
IF (degree = 2 OR degree = 3) edus = 1.
IF (degree = 8 OR degree = 9) edus = -99.
IF sysmis(degree) edus = -99.
COMPUTE eduh = 0.
IF (degree = 4 OR degree = 5) eduh = 1.
IF (degree = 8 OR degree = 9) eduh = -99.
IF sysmis(degree) eduh = -99.

COMPUTE emppt = 0.
IF (spwrkst = 2 OR spwrkst = 3) emppt = 1.
IF sysmis(spwrkst) emppt = -99.
COMPUTE empna = 0.
IF (spwrkst = 4 OR spwrkst = 6 OR spwrkst = 7 OR spwrkst = 8 OR spwrkst = 9 OR spwrkst = 10) empna = 1.
IF sysmis(spwrkst) empna = -99.
COMPUTE empau = 0.
IF (spwrkst = 5) empau = 1.
IF sysmis(spwrkst) empau = -99.
COMPUTE empft = 0.
IF (spwrkst = 1) empft = 1.
IF sysmis(spwrkst) empft = -99.

COMPUTE old = 0.
IF (v28=1 OR v28 = 2) old = 1.
IF sysmis(v28) old = -99.

COMPUTE une = 0.
IF (v30=1 OR v30 = 2) une = 1.
IF sysmis(v30) une = -99.

COMPUTE dif = 0.
IF (v31=1 OR v31 = 2) dif = 1.
IF sysmis(v31) dif = -99.

COMPUTE job = 0.
IF (v25=1 OR v25 = 2) job = 1.
IF sysmis(v25) job = -99.
```

```

MISSING VALUES v1 v2 cntry sex age age2 edup edus eduh emppt empna empau empft old une
dif job (-99).

SORT CASES by cntry.
FORMATS cntry(f3.0).

SAVE OUTFILE 'ZA4700_NTA.sav'
  /KEEP v1 v2 cntry sex age age2 edup edus eduh emppt empna empau empft old une dif
  job .

DATASET CLOSE ALL.
get stata file="ZA2900.dta".

RECODE v3 (1 = 36) (2 = 276) (3 = 276) (4 = 826) (6 = 840) (8 = 348) (9
= -99 ) (10 = 372) (12 = 578) (13 = 752) (14 = 203)
(15 = 705) (16 = 616) (17 = -99) (18 = 643) (19 = 554) (20 = 124)
(21 = -99) (22 = 376) (23 = 376) (24 = 392)
(25 = 724) (26 = 428) (27 = 250) (28 = -99) (30 = 756) (ELSE = -99)
  INTO cntry.

RECODE v200 (1 = 0) (2 = 1) (SYSMIS = -99) INTO sex.

COMPUTE age2 = v201*v201.
RECODE age2 (sysmis = -99).

RECODE v201 (SYSMIS = -99) (ELSE = COPY) into age.

COMPUTE edup = 0.
IF (v205 = 1 OR v205 = 2 OR v205 = 3) edup = 1.
IF (v205 = 99) edup = -99.
IF sysmis(v205) edup = -99.
COMPUTE edus = 0.
IF (v205 = 4 OR v205 = 5) edus = 1.
IF (v205 = 99) edus = -99.
IF sysmis(v205) edus = -99.
COMPUTE eduh = 0.
IF (v205 = 6 OR v205 = 7) eduh = 1.
IF (v205 = 99) eduh = -99.
IF sysmis(v205) eduh = -99.

COMPUTE emppt = 0.
IF (v206 = 2 OR v206 = 3) emppt = 1.
IF sysmis(v206) emppt = -99.
COMPUTE empna = 0.
IF (v206 = 4 OR v206 = 6 OR v206 = 7 OR v206 = 8 OR v206 = 9 OR v206 = 10) empna = 1.
IF sysmis(v206) empna = -99.
COMPUTE empau = 0.
IF (v206 = 5) empau = 1.
IF sysmis(v206) empau = -99.
COMPUTE empft = 0.
IF (v206 = 1) empft = 1.
IF sysmis(v206) empft = -99.

COMPUTE old = 0.
IF (v39=1 OR v39 = 2) old = 1.
IF sysmis(v39) old = -99.

COMPUTE une = 0.
IF (v41=1 OR v41 = 2) une = 1.
IF sysmis(v41) une = -99.

COMPUTE dif = 0.
IF (v42=1 OR v42 = 2) dif = 1.

```

```

IF sysmis(v42) dif = -99.

COMPUTE job = 0.
IF (v36=1 OR v36 = 2) job = 1.
IF sysmis(v36) job = -99.

MISSING VALUES v1 v2 cntry sex age age2 edup edus eduh emppt empna empau empft old une
dif job (-99).

SORT CASES by cntry.
FORMATS cntry(f3.0).

SAVE OUTFILE 'ZA2900_NTA.sav'
/KEEP v1 v2 cntry sex age age2 edup edus eduh emppt empna empau empft old une dif
job .

DATASET CLOSE ALL.
GET DATA
/TYPE=XLS
/FILE='L2data.xls'
/SHEET=name 'Sheet1'
/CELLRANGE=FULL
/READNAMES=ON
/DATATYPEMIN PERCENTAGE=95.0.
EXECUTE.
DATASET NAME DataSet1 WINDOW=FRONT.

SELECT IF year = 1996.
FREQUENCIES year cntry.

SORT CASES BY cntry.
FORMATS cntry(f3.0).

SAVE OUTFILE 'L2data1996_NTA.sav'.

DATASET CLOSE ALL.
GET DATA
/TYPE=XLS
/FILE='L2data.xls'
/SHEET=name 'Sheet1'
/CELLRANGE=FULL
/READNAMES=ON
/DATATYPEMIN PERCENTAGE=95.0.
EXECUTE.
DATASET NAME DataSet1 WINDOW=FRONT.

SELECT IF year = 2006.
SORT CASES BY cntry.
FORMATS cntry(f3.0).

SAVE OUTFILE 'L2data2006_NTA.sav'.

DATASET CLOSE ALL.
CD 'Replication project'.
GET FILE 'ZA2900_NTA.sav'.

MATCH FILES
/FILE='ZA2900_NTA.sav'
/TABLE 'L2data1996_NTA.sav'
/BY cntry.
EXECUTE.

```

```

SAVE OUTFILE 'ZA2900-L2data1996.sav'.

DATASET CLOSE ALL.
CD '\'.
GET FILE 'ZA4700_NTA.sav'.

MATCH FILES
  /FILE='ZA4700_NTA.sav'
  /TABLE 'L2data2006_NTA.sav'
  /BY cntry.
EXECUTE.

SAVE OUTFILE 'ZA4700-L2data2006.sav'.

DATASET CLOSE ALL.
CD '\'.
GET FILE 'ZA2900-L2data1996.sav'.

ADD FILES file='ZA2900-L2data1996.sav'
  /in=ZA2900
  /file = 'ZA4700-L2data2006.sav'
  /in=ZA4700.

SORT CASES BY cntry.

IF (v1 = 2900) year = 1996.
IF (v1 = 4700) year = 2006.

SAVE OUTFILE 'ZA2900-ZA4700_pooled.sav'.

DATASET CLOSE ALL.
GET FILE 'ZA2900-ZA4700_pooled.sav'.

SORT CASES BY year.
SPLIT FILE SEPARATE BY year.
CROSSTABS country BY socx.

SPLIT FILE OFF.
SELECT IF cntry = 36 OR cntry = 124 OR cntry = 250 OR cntry = 276 OR cntry = 372 OR
  cntry = 392 OR cntry = 554 OR cntry = 578 OR cntry = 724 OR cntry = 752 OR cntry =
  756 OR cntry = 826 OR cntry = 840.
CROSSTABS cntry BY country.

SAVE OUTFILE 'ZA2900-ZA4700_pooled-13countries.sav'.

DATASET CLOSE ALL.
CD '\'.
GET FILE 'ZA2900-ZA4700_pooled-13countries.sav'.

RENAME VARIABLES foreignpct = istock.
RENAME VARIABLES netmigpct = chistock.

FORMATS emprate(f6.3).
FORMATS istock(f6.3).
FORMATS socx(f6.3).
FORMATS chistock(f6.3).

IF (year = 1996) yrdm = 0.
IF (year = 2006) yrdm = 1.
CROSSTABS year BY yrdm.

```



```

IF (cntry = 36) aust = 1.
IF (cntry NE 36) aust = 0.
IF (cntry = 124) can = 1.
IF (cntry NE 124) can = 0.
IF (cntry = 250) fr = 1.
IF (cntry NE 250) fr = 0.
IF (cntry = 276) de = 1.
IF (cntry NE 276) de = 0.
IF (cntry = 372) ir = 1.
IF (cntry NE 372) ir = 0.
IF (cntry = 392) jp = 1.
IF (cntry NE 392) jp = 0.
IF (cntry = 554) nz = 1.
IF (cntry NE 554) nz = 0.
IF (cntry = 578) nw = 1.
IF (cntry NE 578) nw = 0.
IF (cntry = 724) sp = 1.
IF (cntry NE 724) sp = 0.
IF (cntry = 752) sw = 1.
IF (cntry NE 752) sw = 0.
IF (cntry = 756) ch = 1.
IF (cntry NE 756) ch = 0.
IF (cntry = 826) uk = 1.
IF (cntry NE 826) uk = 0.
IF (cntry = 840) us = 1.
IF (cntry NE 840) us = 0.

COMPUTE aged = (age/100).
COMPUTE age2d = (age2/100).
DESCRIPTIVES aged age2d.
FREQUENCIES aged age2d.
RECODE aged age2d (SYSMIS = -99).
MISSING VALUES aged age2d (-99).

SET LOCALE = 'en_us'.

SAVE TRANSLATE
  /TYPE = CSV
  /KEEP = cntry sex age age2 aged age2d edup edus eduh emppt empna empau empft old
  une dif job emprate socx istock chistock
        year yrmd aust can fr de ir jp nz nw sp sw ch uk us
  /OUTFILE = 'CRI-Mplus.dat'.

```

Team: 75

Software: Mplus

Version: ORIGINAL

```

TITLE: CRI Fixed Effects, Model 1-4 (Immigrant Stock only);
      !Mplus Version 8.0

DATA: FILE IS 'CRI-Mplus.dat';

VARIABLE:
  NAMES          =  cntry sex age age2 aged age2d edup edus eduh emppt empna empau
                    empft old une dif job emprate socx istock chistock
                    year yrmd aust can fr de ir jp nz nw sp sw ch uk us;
  MISSING        =  all (-99);
  USEVARIABLES    =  sex aged age2d edup eduh emppt empna empau
                    old une dif job istock yrmd
                    aust can fr de ir jp nz nw sp sw ch uk;  ! us control
  CATEGORICAL     =  old une dif job;

```

ANALYSIS:
ESTIMATOR IS ML;

MODEL:

```
old ON      istock sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
une ON      istock sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
dif ON      istock sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
job ON      istock sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
```

TITLE: CRI Fixed Effects, Model 5-8 (Immigrant Stock, Social Welfare);
!Mplus Version 8.0

DATA: FILE IS 'CRI-Mplus.dat';

VARIABLE:

```
NAMES      = cntry sex age age2 aged age2d edup edus eduh emppt empna empau
            empft old une dif job emprate socx istock chistock
            year yrmd aust can fr de ir jp nz nw sp sw ch uk us;
MISSING    = all (-99);
USEVARIABLES = istock socx sex aged age2d edup eduh emppt empna empau
            old une dif job yrmd
            aust can fr de ir jp nz nw sp sw ch uk; ! us control
CATEGORICAL = old une dif job;
```

ANALYSIS:
ESTIMATOR IS ML;

MODEL:

```
old ON      istock socx sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
une ON      istock socx sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
dif ON      istock socx sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
job ON      istock socx sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
```

TITLE: CRI Fixed Effects, Model 9-12 (Immigrant Stock, Employment Rate);
!Mplus Version 8.0

DATA: FILE IS 'CRI-Mplus.dat';

VARIABLE:

```
NAMES      = cntry sex age age2 aged age2d edup edus eduh emppt empna empau
            empft old une dif job emprate socx istock chistock
            year yrmd aust can fr de ir jp nz nw sp sw ch uk us;
MISSING    = all (-99);
USEVARIABLES = istock emprate sex aged age2d edup eduh emppt empna empau
            old une dif job yrmd
            aust can fr de ir jp nz nw sp sw ch uk; ! us control
CATEGORICAL = old une dif job;
```

ANALYSIS:

ESTIMATOR IS ML;

MODEL:

```
old ON    istock emprate sex aged age2d edup eduh emppt empna empau
yrdm aust can fr de ir jp nz nw sp sw ch uk;
une ON    istock emprate sex aged age2d edup eduh emppt empna empau
yrdm aust can fr de ir jp nz nw sp sw ch uk;
dif ON    istock emprate sex aged age2d edup eduh emppt empna empau
yrdm aust can fr de ir jp nz nw sp sw ch uk;
job ON    istock emprate sex aged age2d edup eduh emppt empna empau
yrdm aust can fr de ir jp nz nw sp sw ch uk;
```

TITLE: CRI Fixed Effects, Model 13-16 (Chabge in Immigrant Stock only);
!Mplus Version 8.0

DATA: FILE IS 'CRI-Mplus.dat';

VARIABLE:

```
NAMES      =  cntry sex age age2 aged age2d edup edus eduh emppt empna empau
               empft old une dif job emprate socx istock chistock
               year yrmd aust can fr de ir jp nz nw sp sw ch uk us;
MISSING     =  all (-99);
USEVARIABLES =  chistock sex aged age2d edup eduh emppt empna empau
               old une dif job yrmd
               aust can fr de ir jp nz nw sp sw ch uk;  ! us control
CATEGORICAL =  old une dif job;
```

ANALYSIS:

ESTIMATOR IS ML;

MODEL:

```
old ON    chistock sex aged age2d edup eduh emppt empna empau
yrdm aust can fr de ir jp nz nw sp sw ch uk;
une ON    chistock sex aged age2d edup eduh emppt empna empau
yrmd aust can fr de ir jp nz nw sp sw ch uk;
dif ON    chistock sex aged age2d edup eduh emppt empna empau
yrdm aust can fr de ir jp nz nw sp sw ch uk;
job ON    chistock sex aged age2d edup eduh emppt empna empau
yrdm aust can fr de ir jp nz nw sp sw ch uk;
```

TITLE: CRI Fixed Effects, Model 17-20 (Change in Immigrant Stock, Social Welfare);
!Mplus Version 8.0

DATA: FILE IS 'CRI-Mplus.dat';

VARIABLE:

```
NAMES      =  cntry sex age age2 aged age2d edup edus eduh emppt empna empau
               empft old une dif job emprate socx istock chistock
               year yrmd aust can fr de ir jp nz nw sp sw ch uk us;
MISSING     =  all (-99);
USEVARIABLES =  chistock socx sex aged age2d edup eduh emppt empna empau
               old une dif job yrmd
               aust can fr de ir jp nz nw sp sw ch uk;  ! us control
CATEGORICAL =  old une dif job;
```

ANALYSIS:

ESTIMATOR IS ML;

MODEL:

```
old ON      chistock socx sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
une ON      chistock socx sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
dif ON      chistock socx sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
job ON      chistock socx sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
```

TITLE: CRI Fixed Effects, Model 20-24 (Change in Immigrant Stock, Employment Rate);
!Mplus Version 8.0

DATA: FILE IS 'CRI-Mplus.dat';

VARIABLE:

```
NAMES      =  cntry sex age age2 aged age2d edup edus eduh emppt empna empau
              empft old une dif job emprate socx istock chistock
              year yrmd aust can fr de ir jp nz nw sp sw ch uk us;
MISSING    =  all (-99);
USEVARIABLES = chistock emprate sex aged age2d edup eduh emppt empna empau
              old une dif job yrmd
              aust can fr de ir jp nz nw sp sw ch uk;  ! us control
CATEGORICAL =  old une dif job;
```

ANALYSIS:

ESTIMATOR IS ML;

MODEL:

```
old ON      chistock emprate sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
une ON      chistock emprate sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
dif ON      chistock emprate sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
job ON      chistock emprate sex aged age2d edup eduh emppt empna empau
            yrmd aust can fr de ir jp nz nw sp sw ch uk;
```

Team: 76
Software: R
Version: ORIGINAL

```
rm(list=ls())

library(Hmisc)
library(tidyverse)
library(data.table)
library(readxl)

ZA2900_1996 <- read_csv(file="ZA2900.csv")

ZA2900_1996$v3 <- ifelse((ZA2900_1996$v3=="D-E" | ZA2900_1996$v3=="D-W"), "de",
  ZA2900_1996$v3)

s_1996 <- ZA2900_1996 %>% filter(v3 %in%
  c("aus", "cdn", "f", "irl", "j", "nz", "n", "e", "s", "ch", "gb", "usa", "de"))

s_1996 <- s_1996 %>%
  mutate_all(as.character)

setnames(s_1996, old = c('v36', 'v41', 'v42', 'v38', 'v39', 'v44'), new =
  c('govjobs', 'govunemp', 'govincediff', 'govhcare', 'govretire', 'govhousing'))

s_1996 <- s_1996 %>%
  mutate_at(c('govjobs', 'govunemp', 'govincediff', 'govhcare', 'govretire',
    'govhousing'),
    funs(recode(., "Definitely should"=1, "Probably should"=1, "Definitely
      not"=0, "Probably not"=0)))

s_1996$age <- as.numeric(s_1996$v201)
s_1996$agesq <- s_1996$age^2
s_1996$female <- ifelse(s_1996$v200=="Female", 1, s_1996$v200)
s_1996$female <- ifelse(s_1996$v200=="Male", 0, s_1996$female)
s_1996$lesshs <- ifelse(s_1996$v205=="Incl primary" | s_1996$v205=="Incl secondary"
  | s_1996$v205=="None; still at school, uni" | s_1996$v205=="Primary compl", 1, 0)
s_1996$univ <- ifelse(s_1996$v205=="University compl", 1, 0)
s_1996$ptemp <- ifelse(s_1996$v206=="P-t empl, main job" | s_1996$v206=="Less part-
  time" | s_1996$v206=="Help family member", 1, 0)
s_1996$unemp <- ifelse(s_1996$v206=="Unemployed", 1, 0)
s_1996$nolabor <- ifelse(s_1996$v206=="Studet, school, educ" | s_1996$v206=="Retired" |
  s_1996$v206=="Housewife <man>" |
    s_1996$v206=="Permanent disabled" | s_1996$v206=="Oth, n i
    lab force", 1, 0)
s_1996$selfemp <- ifelse(s_1996$v213=="Self-employed RP: informell", 1, 0)
s_1996$selfemp <- ifelse(!is.na(s_1996$v206) & is.na(s_1996$v213), 0, s_1996$selfemp)
s_1996$inczscore <- ave(as.numeric(s_1996$v218), s_1996$v3, FUN=scale)
s_1996$year <- 1996

ZA4700_2006 <- read_csv(file="ZA4700.csv")

ZA4700_2006 <- ZA4700_2006 %>%
  mutate_at(c("V3"), funs(recode(., "AU-Australia"="aus", "JP-Japan"="j", "CA-
    Canada"="cdn", "FR-France"="f", "NZ-New Zealand"="nz", "CH-Switzerland"="ch",
    "ES-Spain"="e", "SE-Sweden"="s", "IE-Ireland"="irl",
    "NO-Norway"="n", "US-United States"="usa", "826.1"="gb", "276.1"="de",
    "276.2"="de")))
```

```

s_2006 <- ZA4700_2006 %>% filter(V3 %in%
  c("aus","cdn","f","irl","j","nz","n","e","s","ch","gb","usa","de"))

names(s_2006) <- tolower(names(s_2006))
s_2006 <- s_2006 %>%
  mutate_all(as.character)

setnames(s_2006, old = c('v25','v30', 'v31', 'v27', 'v28', 'v33'), new =
  c('govjobs','govunemp', 'govincdiff', 'govhcare', 'govretire', 'govhousing'))

s_2006 <- s_2006 %>%
  mutate_at(c('govjobs','govunemp', 'govincdiff', 'govhcare', 'govretire',
    'govhousing'),
    funs(recode(., "Definitely should be"=1, "Probably should be"=1,
      "Definitely should not be"=0, "Probably should not be"=0)))

s_2006$age <- as.numeric(s_2006$age)
s_2006$agesq <- s_2006$age^2
s_2006$female <- ifelse(s_2006$sex=="Female",1,s_2006$sex)
s_2006$female <- ifelse(s_2006$sex=="Male",0,s_2006$female)
s_2006$lesshs <- ifelse(s_2006$degree=="No formal qualification, incomplete primary" |
  s_2006$degree=="Above lowest qualification" |
  s_2006$degree=="Lowest formal qualification",1,0)
s_2006$univ <- ifelse(s_2006$degree=="University degree completed, graduate
  studies",1,0)
s_2006$ptemp <- ifelse(s_2006$wrkst=="Employed, part-time,main job" |
  s_2006$wrkst=="Employed, less than part-time" | s_2006$wrkst=="Helping family
  member",1,0)
s_2006$unemp <- ifelse(s_2006$wrkst=="Unemployed",1,0)
s_2006$nlabor <- ifelse(s_2006$wrkst=="Student,school,vocational training" |
  s_2006$wrkst=="Retired" | s_2006$wrkst=="Housewife,-man,home duties" |
  s_2006$wrkst=="Permanently disabled" |
  s_2006$wrkst=="Other,not in labour force" ,1,0)
s_2006$selfemp <- ifelse(s_2006$wrktype=="Self employed",1,0)
s_2006$selfemp <- ifelse(!is.na(s_2006$wrkst) & is.na(s_2006$wrktype),0,
  s_2006$selfemp)
s_2006$year <- 2006

s_2006_extra1 <- read_xlsx("data/ZA4700.xlsx", range = cell_cols("D:E"), col_types =
  "numeric" )
s_2006_extra2 <- read_xlsx("data/ZA4700.xlsx", range = cell_cols("ER:FX"), col_types =
  "numeric" )

s_2006_2 <- cbind(s_2006_extra1,s_2006_extra2)

s_2006_2 <- s_2006_2 %>%
  mutate_at(c("V3"), funs(recode(., "36"="aus", "392"="j", "124"="cdn", "250"="f",
    "554"="nz", "756"="ch",
    "724"="e", "752"="s", "372"="irl", "578"="n",
    "840"="usa", "826.1"="gb", "276.1"="de",
    "276.2"="de"))))

s_2006_2 <- s_2006_2 %>% filter(V3 %in%
  c("aus","cdn","f","irl","j","nz","n","e","s","ch","gb","usa","de"))

names(s_2006_2) <- tolower(names(s_2006_2))

s_2006_2$income <- coalesce(s_2006_2$au_inc, s_2006_2$ca_inc, s_2006_2$fr_inc,
  s_2006_2$de_inc, s_2006_2$ie_inc, s_2006_2$jp_inc, s_2006_2$nz_inc,s_2006_2$no_inc,
  s_2006_2$es_inc, s_2006_2$se_inc,
  s_2006_2$ch_inc, s_2006_2$gb_inc, s_2006_2$sus_inc)

```

```

s_2006_2$inczscore <- ave(s_2006_2$income, s_2006_2$v3, FUN=scale)

s_2006_2 <- s_2006_2[,c(36:37)]

s_2006 <- cbind(s_2006, s_2006_2)

s_1996 <- s_1996[,c(3,36,38,39,41,42,44,195:205)]
s_2006 <- s_2006[,c(4,27,29,30,32,33,35,67,292:300,302)]

pooled_data <- rbind(s_1996, s_2006)

country_data <- read_csv("bradyfinnigan2014countrydata.csv")

pooled_data$cntry <- as.character(pooled_data$v3)
pooled_data <- pooled_data %>%
  mutate_at(c("cntry"), funs(recode(., "aus"="36", "j"="392", "cdn"="124", "f"="250",
    "nz"="554", "ch"="756",
    "e"="724", "s"="752", "irl"="372", "n"="578",
    "usa"="840", "gb"="826", "de"="276")))
pooled_data$cntry <- as.numeric(pooled_data$cntry)

complete_data <- merge(pooled_data, country_data, by=c("cntry", "year"), all.x=T)

model4_1_6 <- NULL
z4_1_6 <- NULL
odd4_1_6 <- NULL

for (i in c("govjobs","govunemp","govincdiff","govretire","govhousing","govhcare")){
  model4_1_6[[i]] <- glm(get(i) ~ foreignpct + age + agesq + female + lesshs + univ +
    ptemp + unemp + nolabor +
    selfemp + inczscore + as.factor(year) + as.factor(cntry),
    family = binomial("logit"), data = complete_data)
  z4_1_6[[i]] <- summary(model4_1_6[[i]])$coefficients[,3]
  odd4_1_6[[i]] <- exp(coef(model4_1_6[[i]]))
}

model4_7_12 <- NULL
z4_7_12 <- NULL
odd4_7_12 <- NULL

for (i in c("govjobs","govunemp","govincdiff","govretire","govhousing","govhcare")){
  model4_7_12[[i]] <- glm(get(i) ~ foreignpct + socx + age + agesq + female + lesshs +
    univ + ptemp + unemp + nolabor +
    selfemp + inczscore + as.factor(year) + as.factor(cntry),
    family = binomial("logit"), data = complete_data)
  z4_7_12[[i]] <- summary(model4_7_12[[i]])$coefficients[,3]
  odd4_7_12[[i]] <- exp(coef(model4_7_12[[i]]))
}

model4_13_18 <- NULL
z4_13_18 <- NULL
odd4_13_18 <- NULL

for (i in c("govjobs","govunemp","govincdiff","govretire","govhousing","govhcare")){
  model4_13_18[[i]] <- glm(get(i) ~ foreignpct + emprate + age + agesq + female +
    lesshs + univ + ptemp + unemp + nolabor +
    selfemp + inczscore + as.factor(year) + as.factor(cntry),
    family = binomial("logit"), data = complete_data)

```

```

    z4_13_18[[i]] <- summary(model4_13_18[[i]])$coefficients[,3]
    odd4_13_18[[i]] <- exp(coef(model4_13_18[[i]]))
  }

model5_1_6 <- NULL
z5_1_6 <- NULL
odd5_1_6 <- NULL

for (i in c("govjobs", "govunemp", "govincediff", "govretire", "govhousing", "govhcare")) {
  model5_1_6[[i]] <- glm(get(i) ~ netmigpct + age + agesq + female + lesshs + univ +
    ptemp + unemp + nolabor +
      selfemp + inczscore + as.factor(year) + as.factor(cntry),
    family = binomial("logit"), data = complete_data)
  z5_1_6[[i]] <- summary(model5_1_6[[i]])$coefficients[,3]
  odd5_1_6[[i]] <- exp(coef(model5_1_6[[i]]))
}

model5_7_12 <- NULL
z5_7_12 <- NULL
odd5_7_12 <- NULL

for (i in c("govjobs", "govunemp", "govincediff", "govretire", "govhousing", "govhcare")) {
  model5_7_12[[i]] <- glm(get(i) ~ netmigpct + socx + age + agesq + female + lesshs +
    univ + ptemp + unemp + nolabor +
      selfemp + inczscore + as.factor(year) + as.factor(cntry),
    family = binomial("logit"), data = complete_data)
  z5_7_12[[i]] <- summary(model5_7_12[[i]])$coefficients[,3]
  odd5_7_12[[i]] <- exp(coef(model5_7_12[[i]]))
}

model5_13_18 <- NULL
z5_13_18 <- NULL
odd5_13_18 <- NULL

for (i in c("govjobs", "govunemp", "govincediff", "govretire", "govhousing", "govhcare")) {
  model5_13_18[[i]] <- glm(get(i) ~ netmigpct + emprate + age + agesq + female +
    lesshs + univ + ptemp + unemp + nolabor +
      selfemp + inczscore + as.factor(year) + as.factor(cntry),
    family = binomial("logit"), data = complete_data)
  z5_13_18[[i]] <- summary(model5_13_18[[i]])$coefficients[,3]
  odd5_13_18[[i]] <- exp(coef(model5_13_18[[i]]))
}

model5_19_25 <- NULL
z5_19_25 <- NULL
odd5_19_25 <- NULL

for (i in c("govjobs", "govunemp", "govincediff", "govretire", "govhousing", "govhcare")) {
  model5_19_25[[i]] <- glm(get(i) ~ netmigpct + foreignpct + age + agesq + female +
    lesshs + univ + ptemp + unemp + nolabor +
      selfemp + inczscore + as.factor(year) + as.factor(cntry),
    family = binomial("logit"), data = complete_data)
  z5_19_25[[i]] <- summary(model5_19_25[[i]])$coefficients[,3]
  odd5_19_25[[i]] <- exp(coef(model5_19_25[[i]]))
}

table <-
  htmlreg(list(model4_1_6[[1]], model4_1_6[[2]], model4_1_6[[3]], model4_1_6[[4]], model4_1_6[[5]],
    model4_1_6[[6]],

```



```

model4_7_12[[1]],model4_7_12[[2]],model4_7_12[[3]],model4_7_12[[4]],model4_7_12[[5]],
model4_7_12[[6]],

model4_13_18[[1]],model4_13_18[[2]],model4_13_18[[3]],model4_13_18[[4]],model4_13_18[
[5]],model4_13_18[[6]],

model5_1_6[[1]],model5_1_6[[2]],model5_1_6[[3]],model5_1_6[[4]],model5_1_6[[5]],model
5_1_6[[6]],

model5_7_12[[1]],model5_7_12[[2]],model5_7_12[[3]],model5_7_12[[4]],model5_7_12[[5]],
model5_7_12[[6]],

model5_13_18[[1]],model5_13_18[[2]],model5_13_18[[3]],model5_13_18[[4]],model5_13_18[
[5]],model5_13_18[[6]],

model5_19_25[[1]],model5_19_25[[2]],model5_19_25[[3]],model5_19_25[[4]],model5_19_25[
[5]],model5_19_25[[6]]),

override.coef=list(odd4_1_6[[1]],odd4_1_6[[2]],odd4_1_6[[3]],odd4_1_6[[4]],odd4_1_6[[
5]],odd4_1_6[[6]],

odd4_7_12[[1]],odd4_7_12[[2]],odd4_7_12[[3]],odd4_7_12[[4]],odd4_7_12[[5]],odd4_7_12[
[6]],

odd4_13_18[[1]],odd4_13_18[[2]],odd4_13_18[[3]],odd4_13_18[[4]],odd4_13_18[[5]],odd4_
13_18[[6]],

odd5_1_6[[1]],odd5_1_6[[2]],odd5_1_6[[3]],odd5_1_6[[4]],odd5_1_6[[5]],odd4_1_6[[6]],

odd5_7_12[[1]],odd5_7_12[[2]],odd5_7_12[[3]],odd5_7_12[[4]],odd5_7_12[[5]],odd5_7_12[
[6]],

odd5_13_18[[1]],odd5_13_18[[2]],odd5_13_18[[3]],odd5_13_18[[4]],odd5_13_18[[5]],odd5_
13_18[[6]],

odd5_19_25[[1]],odd5_19_25[[2]],odd5_19_25[[3]],odd5_19_25[[4]],odd5_19_25[[5]],odd5_
19_25[[6]]),

      override.se =
list(z4_1_6[[1]],z4_1_6[[2]],z4_1_6[[3]],z4_1_6[[4]],z4_1_6[[5]],z4_1_6[[6]],

z4_7_12[[1]],z4_7_12[[2]],z4_7_12[[3]],z4_7_12[[4]],z4_7_12[[5]],z4_7_12[[6]],

z4_13_18[[1]],z4_13_18[[2]],z4_13_18[[3]],z4_13_18[[4]],z4_13_18[[5]],z4_13_18[[6]],

z5_1_6[[1]],z5_1_6[[2]],z5_1_6[[3]],z5_1_6[[4]],z5_1_6[[5]],z4_1_6[[6]],

z5_7_12[[1]],z5_7_12[[2]],z5_7_12[[3]],z5_7_12[[4]],z5_7_12[[5]],z5_7_12[[6]],

z5_13_18[[1]],z5_13_18[[2]],z5_13_18[[3]],z5_13_18[[4]],z5_13_18[[5]],z5_13_18[[6]],

z5_19_25[[1]],z5_19_25[[2]],z5_19_25[[3]],z5_19_25[[4]],z5_19_25[[5]],z5_19_25[[6]]),
digits=3,

      custom.coef.map=list("foreignpct" = "Foreign-born (%)",
                           "socx" = "Social Welfare Expenditures (% of
GDP)",
                           "emprate" = "Employment Rate (%)",
                           "netmigpct" = "Net Migration (%)",
                           "age" = "Age", "agesq" = "Age^2",
                           "female" = "Female", "lesshs" = "Less than
Secondary",
                           "univ" = "University or Above", "ptemp" =
"Part-Time Employment",

```

```
Labor Force",  
"Relative Income",  
file = "table.html")  
"unemp" = "Unemployed", "nolabor" = "Not in  
"selfemp" = "Self-Employed", "inczscore" =  
"(Intercept)" = "Intercept"),
```

Team: 77
Software: Stata
Version: ORIGINAL

```
clear all
use "L2data.dta", clear

rename country countrylabel
clonevar country=cntry

lab var foreignpct "Immigrant Stock"
lab var netmigpct "Change in Immigrant Stock"
lab var socx "Social Welfare Expenditures"
lab var emprate "Employment Rate"

sort country year
save "macro.dta", replace

use "ZA2900", clear
numlabel, add

clonevar id_96=v2
gen year=1996
recode v3 (1=36) (2/3=276) (4=826) (5=826) (6=840) (8=348) (9=380 "Italy") (10=372)
  (11=528) (12=578) (13=752) ///
(14=203) (15=705) (16=616) (17=100 "Bulgaria") (18=643) (19=554) (20=124) (21=608)
  (22/23=376) (24=392) (25=724) (26=428) (27=250) (28=196 "Cyprus") (30=756),
  gen(country)

gen oldagecare=inlist(v39, 1, 2)
replace oldagecare=. if v39==.
lab var oldagecare "Old Age Care"

gen unemployed=inlist(v41, 1, 2)
replace unemployed=. if v41==.
label var unemployed "Unemployed"

gen income=inlist(v42, 1, 2)
replace income=. if v42==.
label var income "Reduce Income Differences"

gen jobs=inlist(v36, 1, 2)
replace jobs=. if v36==.
label var jobs "Jobs"

gen female=1 if v200==2
replace female=0 if v200==1
lab var female "Female"
lab def sex 0"male" 1"female"
lab val female sex

gen age=v201
lab var age "Age"

gen education=1 if inlist(v205,2,3,4)
replace education=2 if inlist(v205,5,6)
replace education=3 if v205==7
lab var education "Education"
lab def education 1"Primary or less" 2"Secondary" 3"University or more"
lab val education education

gen employment=1 if v206==1
```

```

replace employment=2 if inlist(v206,2,3)
replace employment=3 if inlist(v206,4,6,7,8,9,10)
replace employment=4 if v206==5
lab var employment "Employment"
lab def employment 1"Full-time" 2"Part-time" 3"Not active" 4"Active unemployed"
lab val employment employment

keep id_96 year country oldagecare unemployed income job female age education
    employment
sort country
save "ISSP1996.dta", replace

use "ZA4700", clear

clonevar id_06=V2
clonevar country=V3a
gen year=2006

numlabel, add
gen oldagecare=inlist(V28, 1, 2)
replace oldagecare=. if V28==.
lab var oldagecare "Old Age Care"

gen unemployed=inlist(V30, 1, 2)
replace unemployed=. if V30==.
label var unemployed "Unemployed"

gen income=inlist(V31, 1, 2)
replace income=. if V31==.
label var income "Reduce Income Differences"

gen jobs=inlist(V25, 1, 2)
replace jobs=. if V25==.
label var jobs "Jobs"

gen female=1 if sex==2
replace female=0 if sex==1
lab var female "Female"
lab def sex 0"male" 1"female"
lab val female sex
lab var age "Age"

gen education=1 if inlist(degree,0,1,2)
replace education=2 if inlist(degree, 3,4)
replace education=3 if degree==5
replace education=. if inlist(educyrs, 95, 96)
lab var education "Education"
lab def education 1"Primary or less" 2"Secondary" 3"University or more"
lab val education education

gen employment=1 if wrkst==1
replace employment=2 if inlist(wrkst,2,3)
replace employment=3 if inlist(wrkst,4,6,7,8,9,10)
replace employment=4 if wrkst==5
lab var employment "Employment"
lab def employment 1"Full-time" 2"Part-time" 3"Not active" 4"Active unemployed"
lab val employment employment

keep id_06 year country oldagecare unemployed income job female age education
    employment
sort country
save "ISSP2006.dta", replace

```

```

append using "ISSP1996.dta"

sort country year

merge m:1 country year using "macro.dta"
bysort _merge: tab country year, m

drop if _merge==1
drop if _merge==2
drop if emprate==. | foreignpct==. | socx==. | netmigpct==.
drop if inlist(country, 191, 208, 246, 410, 528, 620)

gen cyid=country
replace cyid=cyid+1000 if year==2006

egen varmiss=rowmiss(oldagecare unemployed income job female age education employment)
drop if varmiss>0

gen c_age=age-r(mean)
lab var c_age "age (centered)"

global ilcontrols "female c.c_age##c.c_age i.b2.education i.b1.employment i.country
i.year, or cluster(country)"

local i=1
foreach var in oldagecare unemployed income job {
    logit `var' foreignpct $ilcontrols
    estimates store M_`i'
    local i=`i'+1
}

local i=5
foreach var in oldagecare unemployed income job {
    logit `var' foreignpct socx $ilcontrols
    estimates store M_`i'
    local i=`i'+1
}

local i=9
foreach var in oldagecare unemployed income job {
    logit `var' foreignpct emprate $ilcontrols
    estimates store M_`i'
    local i=`i'+1
}

local i=13
foreach var in oldagecare unemployed income job {
    logit `var' netmigpct $ilcontrols
    estimates store M_`i'
    local i=`i'+1
}

local i=17
foreach var in oldagecare unemployed income job {
    logit `var' netmigpct socx $ilcontrols
    estimates store M_`i'
    local i=`i'+1
}

local i=21
foreach var in oldagecare unemployed income job {

```

```

logit `var' netmigpct emprate $ilcontrols
estimates store M_`i'
local i=`i'+1
}

```

```
esttab M* using table1.txt, label z replace
```

Team: 77

Software: STATA

Version: CURATED

```

clear all
use "L2data.dta", clear

rename country countrylabel
clonevar country=cntry

lab var foreignpct "Immigrant Stock"
lab var netmigpct "Change in Immigrant Stock"
lab var socx "Social Welfare Expenditures"
lab var emprate "Employment Rate"

sort country year
save "macro.dta", replace

use "ZA2900.dta", clear
numlabel, add

clonevar id_96=v2
gen year=1996
recode v3 (1=36) (2/3=276) (4=826) (5=826) (6=840) (8=348) (9=380 "Italy") (10=372)
(11=528) (12=578) (13=752) ///
(14=203) (15=705) (16=616) (17=100 "Bulgaria") (18=643) (19=554) (20=124) (21=608)
(22/23=376) (24=392) (25=724) (26=428) (27=250) (28=196 "Cyprus") (30=756),
gen(country)

gen oldagecare=inlist(v39, 1, 2)
replace oldagecare=. if v39==.
lab var oldagecare "Old Age Care"

gen unemployed=inlist(v41, 1, 2)
replace unemployed=. if v41==.
label var unemployed "Unemployed"

gen income=inlist(v42, 1, 2)
replace income=. if v42==.
label var income "Reduce Income Differences"

gen jobs=inlist(v36, 1, 2)
replace jobs=. if v36==.
label var jobs "Jobs"

gen female=1 if v200==2
replace female=0 if v200==1
lab var female "Female"
lab def sex 0"male" 1"female"
lab val female sex

gen age=v201
lab var age "Age"

```

```

gen education=1 if inlist(v205,2,3,4)
replace education=2 if inlist(v205,5,6)
replace education=3 if v205==7
lab var education "Education"
lab def education 1"Primary or less" 2"Secondary" 3"University or more"
lab val education education

gen employment=1 if v206==1
replace employment=2 if inlist(v206,2,3)
replace employment=3 if inlist(v206,4,6,7,8,9,10)
replace employment=4 if v206==5
lab var employment "Employment"
lab def employment 1"Full-time" 2"Part-time" 3"Not active" 4"Active unemployed"
lab val employment employment
tab v206 employment, m

keep id_96 year country oldagecare unemployed income job female age education
    employment
sort country
save "ISSP1996.dta", replace

use "ZA4700.dta", clear

clonevar id_06=V2
clonevar country=V3a
gen year=2006

numlabel, add
gen oldagecare=inlist(V28, 1, 2)
replace oldagecare=. if V28==.
lab var oldagecare "Old Age Care"

gen unemployed=inlist(V30, 1, 2)
replace unemployed=. if V30==.
label var unemployed "Unemployed"

gen income=inlist(V31, 1, 2)
replace income=. if V31==.
label var income "Reduce Income Differences"

gen jobs=inlist(V25, 1, 2)
replace jobs=. if V25==.
label var jobs "Jobs"

gen female=1 if sex==2
replace female=0 if sex==1
lab var female "Female"
lab def sex 0"male" 1"female"
lab val female sex
lab var age "Age"

gen education=1 if inlist(degree,0,1,2)
replace education=2 if inlist(degree, 3,4)
replace education=3 if degree==5
replace education=. if inlist(educyrs, 95, 96)
lab var education "Education"
lab def education 1"Primary or less" 2"Secondary" 3"University or more"
lab val education education

gen employment=1 if wrkst==1
replace employment=2 if inlist(wrkst,2,3)
replace employment=3 if inlist(wrkst,4,6,7,8,9,10)
replace employment=4 if wrkst==5

```

```

lab var employment "Employment"
lab def employment 1"Full-time" 2"Part-time" 3"Not active" 4"Active unemployed"
lab val employment employment

keep id_06 year country oldagecare unemployed income job female age education
    employment
sort country
save "ISSP2006.dta", replace

append using "ISSP1996.dta"

sort country year

merge m:1 country year using "macro.dta"
bysort _merge: tab country year, m

drop if _merge==1
drop if _merge==2
drop if emprate==. | foreignpct==. | socx==. | netmigpct==.
drop if inlist(country, 191, 208, 246, 410, 528, 620)

gen cyid=country
replace cyid=cyid+1000 if year==2006

egen varmiss=rowmiss(oldagecare unemployed income job female age education employment)
drop if varmiss>0

gen c_age=age-r(mean)
lab var c_age "age (centered)"

global ilcontrols "female c.c_age##c.c_age i.b2.education i.b1.employment i.country
    i.year, or cluster(country)"

local i=1
foreach var in oldagecare unemployed income job {
    logit `var' foreignpct $ilcontrols
    estimates store M_`i'
    local i=`i'+1
}

local i=5
foreach var in oldagecare unemployed income job {
    logit `var' foreignpct socx $ilcontrols
    estimates store M_`i'
    local i=`i'+1
}

local i=9
foreach var in oldagecare unemployed income job {
    logit `var' foreignpct emprate $ilcontrols
    estimates store M_`i'
    local i=`i'+1
}

local i=13
foreach var in oldagecare unemployed income job {
    logit `var' netmigpct $ilcontrols
    estimates store M_`i'
    local i=`i'+1
}

local i=17
foreach var in oldagecare unemployed income job {

```



```
logit `var' netmigpct socx $ilcontrols
estimates store M_`i'
local i=`i'+1
}

local i=21
foreach var in oldagecare unemployed income job {
  logit `var' netmigpct emprate $ilcontrols
  estimates store M_`i'
  local i=`i'+1
}

esttab M* using table1.csv, eform label z replace
```

Team: 78
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta"
recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
  (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
  (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
  "Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
  "Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
  "Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
  "Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
  "Great Britain" 840 "United States"
label values v3a cntrylbl

recode v4 (2=0) (8/9=.) (0=.), gen(dobeylaws)

recode v5 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgprotest)
recode orgprotest (1/2=0) (3/4=1), gen(dorgprotest)

recode v6 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgmarch)
recode orgmarch (1/2=0) (3/4=1), gen(dmarch)

recode v7 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgstrike)
recode orgstrike (1/2=0) (3/4=1), gen(dorgstrike)

recode v25 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)

recode v26 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)

recode v27 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)

recode v28 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)

recode v29 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)

recode v30 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)

recode v31 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)

recode v32 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)

recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)

recode v38 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)

recode v38 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)

recode v39 (1=4) (2=3) (3=2) (4=1), gen(govretire)
```

```

recode govretire (1/2=0) (3/4=1), gen(dgovretire)

recode v39 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)

recode v41 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)

recode v42 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)

recode v43 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)

recode v44 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

recode v45 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)

recode v19 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)

recode v20 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)

recode v21 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)

recode v22 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)

recode v23 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)

recode v24 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)

rename v201 age
gen agesq=age*age

recode v200 (1=0) (2=1), gen(female)

rename v202 marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode v203 (2=0), gen(partner)
rename v273 hhsiz

recode v274 (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 27 {
    replace kidshh=1 if v274==`i'
    local i = `i' + 2
}

recode v275 (3=1) (nonmiss=0), gen(rural)
recode v275 (2=1) (nonmiss=0), gen(suburb)

rename v324 ETHNIC

```

```

rename v204 edyears
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
  Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename v208 isco
rename v209 occ2
rename v215 hourswrk

recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptime)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=v213==1
replace selfemp=. if v206==.
gen pubemp=(v212==1 | v212==2)
replace pubemp=. if v206==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if v206==.

rename v218 faminc

gen inczscore=.
levelsof v3a, local(cntries)
foreach cntryval of local cntries {
  zscore faminc if v3a==`cntryval', listwise
  replace inczscore=z_faminc if v3a==`cntryval'
  drop z_faminc
}

recode v222 (2=0), gen(union)

rename v223 party

recode v220 (1/2=1) (nonmiss=0), gen(highrel)
recode v220 (3/5=1) (nonmiss=0), gen(lowrel)
recode v220 (6=1) (nonmiss=0), gen(norel)
rename v220 religion

gen year=1996
gen yr2006=0

rename v3a cntry
rename v325 wghts

**save "ISSP96recode.dta", replace
save "ISSP96recode.dta", replace

**use "ZA4700_F1.dta", clear
use "ZA4700.dta", replace

```

```

recode V17 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)

recode V18 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)

recode V19 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)

recode V20 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)

recode V21 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)

recode V22 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)

recode V23 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)

recode V24 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)

recode V35 (1=5) (2=4) (4=2) (5=1), gen(suchcare)
recode suchcare (1/3=0) (4/5=1), gen(dsuchcare)

recode V36 (1=5) (2=4) (4=2) (5=1), gen(sucret)
recode sucret (1/3=0) (4/5=1), gen(dsucret)

recode V37 (1=5) (2=4) (4=2) (5=1), gen(sucdef)
recode sucdef (1/3=0) (4/5=1), gen(dsucdef)

recode V38 (1=5) (2=4) (4=2) (5=1), gen(suclaw)
recode suclaw (1/3=0) (4/5=1), gen(dsuclaw)

recode V39 (1=5) (2=4) (4=2) (5=1), gen(sucunemp)
recode sucunemp (1/3=0) (4/5=1), gen(dsucunemp)

recode V40 (1=5) (2=4) (4=2) (5=1), gen(sucenv)
recode sucenv (1/3=0) (4/5=1), gen(dsucenv)

recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)

recode V26 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)

recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)

recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)

recode V29 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)

recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)

recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)

```

```

recode V32 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)

recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

recode V34 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)

recode V11 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)

recode V12 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)

recode V13 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)

recode V14 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)

recode V15 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)

recode V16 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)

rename V41 govdetain
recode govdetain (1/2=1) (3/4=0), gen(dgovdetain)

rename V42 govtapphone
recode govtapphone (1/2=1) (3/4=0), gen(dgovtap)

rename V43 govsearch
recode govsearch (1/2=1) (3/4=0), gen(dgovsearch)

rename V54 trustfew
recode trustfew (1/2 = 0) (3/5 = 1), gen(dtrust)

rename V55 takeadv
recode takeadv (1/2 = 0) (3/5 = 1), gen(dtakeadv)

gen agesq=age*age
recode sex (1=0) (2=1), gen(female)
rename marital marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode cohab (2=0), gen(partner)
rename hompop hhsize

recode hhcycle (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 29 {
    replace kidshh=1 if hhcycle==`i'
    local i = `i' + 2
}

```

```

recode urbrural (1/3=0) (4/5=1), gen(rural)
recode urbrural (2/3=1) (nonmiss=0), gen(suburb)

rename educyrs edyears
rename degree edcat
recode edcat (0=1), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
  Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename wrkst empstat
rename ISCO88 isco
**rename wrkhrs hourswrk

recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptime)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=wrktype==4
replace selfemp=. if empstat==.
gen pubemp=(wrktype==1 | wrktype==2)
replace pubemp=. if empstat==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if empstat==.

gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
  FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
  PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
  zscore `incvar', listwise
  replace inczscore=z_`incvar' if z_`incvar'!=.
  drop z_`incvar'
}

recode union (2/3=0), gen(union1)
rename union union_old
rename union1 union

rename PARTY_LR party

recode attend (1/3=1) (nonmiss=0), gen(highrel)
recode attend (4/7=1) (nonmiss=0), gen(lowrel)
recode attend (8=1) (nonmiss=0), gen(norel)
rename attend religion

rename V3a cntry

rename WEIGHT wghts

gen year=2006
gen yr2006=1

gen mail=mode==34

```

```

save "ISSP06recode.dta", replace

append using "ISSP96recode.dta"

sort cntry year
merge m:1 cntry year using "bradyfinnigan2014countrydata.dta"
recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
  (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
  (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)
save "ISSP9606.dta", replace

global data "ISSP9606.dta"
global regtable "excel alpha(0.001, 0.01, 0.05) sym(**, **, *) ctitle(`depvar')
  eform bdec(3) sdec(2) stats(coef tstat) onecol append"

use $data, clear
keep if orig13

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
  yr2006"
global cntryvars "foreignpct netmigpct socx emprate"

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)

quietly tab cntry, gen(cntryfe)

foreach depvar in $depvars {
  logit `depvar' foreignpct $controls cntryfe*
  outreg2 using "forborn9606.xls", excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' foreignpct socx $controls cntryfe*
  outreg2 using "forborn9606socx.xls", excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' foreignpct emprate $controls cntryfe*
  outreg2 using "forborn9606emprate.xls", excel alpha(0.001, 0.01, 0.05) sym(**, **,
  *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' netmigpct $controls cntryfe*
  outreg2 using "netmig9606.xls", excel alpha(0.001, 0.01, 0.05) sym(**, **, *) eform
  bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
  logit `depvar' netmigpct socx $controls cntryfe*
  outreg2 using "netmig9606socx.xls", excel alpha(0.001, 0.01, 0.05) sym(**, **, *)
  eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```



```

}

foreach depvar in $depvars {
    logit `depvar' netmigpct emprate $controls cntryfe*
    outreg2 using "netmig9606emprate.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct foreignpct $controls cntryfe*
    outreg2 using "netmig9606forborn.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' $controls cntryfe*
    outreg2 using "controls9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **, *)
    eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```



```

issp1996$age <- issp1996$v201
issp1996$ageSQ <- issp1996$age*issp1996$age

issp2006$ageSQ <- issp2006$age*issp2006$age

issp1996$education <- ifelse(issp1996$v205==1 | issp1996$v205==2 | issp1996$v205==3 |
  issp1996$v205==4, "Primary or less",
  ifelse(issp1996$v205==5 | issp1996$v205==6, "Secondary",
  ifelse(issp1996$v205==7, "University or more",
  NA)))
issp1996$education <- relevel(as.factor(issp1996$education), ref = 2)

issp2006$education <- ifelse(issp2006$degree==0 | issp2006$degree==1 |
  issp2006$degree==2, "Primary or less",
  ifelse(issp2006$degree==3 | issp2006$degree==4,
  "Secondary",
  ifelse(issp2006$degree==5, "University or more",
  NA)))
issp2006$education <- relevel(as.factor(issp2006$education), ref = 2)

issp1996$employment <- ifelse(issp1996$v206==2, "Part-time",
  ifelse(issp1996$v206==4 | issp1996$v206==6 |
  issp1996$v206==7 | issp1996$v206==8 | issp1996$v206==9 | issp1996$v206==10, "Not
  active",
  ifelse(issp1996$v206==5 | issp1996$v206==3,
  "Active unemployed",
  ifelse(issp1996$v206==1, "Full-time",
  NA))))
issp1996$employment <- relevel(as.factor(issp1996$employment), ref = 2)

issp2006$employment <- ifelse(issp2006$wrkst==2, "Part-time",
  ifelse(issp2006$wrkst==4 | issp2006$wrkst==6 |
  issp2006$wrkst==7 | issp2006$wrkst==8 | issp2006$wrkst==9 | issp2006$wrkst==10, "Not
  active",
  ifelse(issp2006$wrkst==5 | issp2006$wrkst==3,
  "Active unemployed",
  ifelse(issp2006$wrkst==1, "Full-time",
  NA))))
issp2006$employment <- relevel(as.factor(issp2006$employment), ref = 2)

issp1996 <- issp1996[c("old", "unempl", "income", "jobs",
  "female", "age", "ageSQ", "education", "employment",
  "cntry", "year"
)]

issp2006 <- issp2006[c("old", "unempl", "income", "jobs",
  "female", "age", "ageSQ", "education", "employment",
  "cntry", "year"
)]

issp <- rbind(issp1996, issp2006)

dat <- merge(issp, cntry, by = c("cntry", "year"), all=F)

```

```

# readstatal3::save.dta13(dat, "dat.dta")

# dat <- haven::read_dta("dat.dta")

m1 <- glm(old ~ foreignpct + female + age + ageSQ + education + employment + cntry +
  year, family = binomial(link = "logit"), data = dat)
m2 <- glm(unempl ~ foreignpct + female + age + ageSQ + education + employment + cntry
  + year, family = binomial(link = "logit"), data = dat)
m3 <- glm(income ~ foreignpct + female + age + ageSQ + education + employment + cntry
  + year, family = binomial(link = "logit"), data = dat)
m4 <- glm(jobs ~ foreignpct + female + age + ageSQ + education + employment + cntry +
  year, family = binomial(link = "logit"), data = dat)

m5 <- glm(old ~ foreignpct + socx + female + age + ageSQ + education + employment +
  cntry + year, family = binomial(link = "logit"), data = dat)
m6 <- glm(unempl ~ foreignpct + socx + female + age + ageSQ + education + employment +
  cntry + year, family = binomial(link = "logit"), data = dat)
m7 <- glm(income ~ foreignpct + socx + female + age + ageSQ + education + employment +
  cntry + year, family = binomial(link = "logit"), data = dat)
m8 <- glm(jobs ~ foreignpct + socx + female + age + ageSQ + education + employment +
  cntry + year, family = binomial(link = "logit"), data = dat)

m9 <- glm(old ~ foreignpct + emprate + female + age + ageSQ + education + employment +
  cntry + year, family = binomial(link = "logit"), data = dat)
m10 <- glm(unempl ~ foreignpct + emprate + female + age + ageSQ + education +
  employment + cntry + year, family = binomial(link = "logit"), data = dat)
m11 <- glm(income ~ foreignpct + emprate + female + age + ageSQ + education +
  employment + cntry + year, family = binomial(link = "logit"), data = dat)
m12 <- glm(jobs ~ foreignpct + emprate + female + age + ageSQ + education + employment
  + cntry + year, family = binomial(link = "logit"), data = dat)

m13 <- glm(old ~ netmigpct + female + age + ageSQ + education + employment + cntry +
  year, family = binomial(link = "logit"), data = dat)
m14 <- glm(unempl ~ netmigpct + female + age + ageSQ + education + employment + cntry
  + year, family = binomial(link = "logit"), data = dat)
m15 <- glm(income ~ netmigpct + female + age + ageSQ + education + employment + cntry
  + year, family = binomial(link = "logit"), data = dat)
m16 <- glm(jobs ~ netmigpct + female + age + ageSQ + education + employment + cntry +
  year, family = binomial(link = "logit"), data = dat)

m17 <- glm(old ~ netmigpct + socx + female + age + ageSQ + education + employment +
  cntry + year, family = binomial(link = "logit"), data = dat)
m18 <- glm(unempl ~ netmigpct + socx + female + age + ageSQ + education + employment +
  cntry + year, family = binomial(link = "logit"), data = dat)
m19 <- glm(income ~ netmigpct + socx + female + age + ageSQ + education + employment +
  cntry + year, family = binomial(link = "logit"), data = dat)
m20 <- glm(jobs ~ netmigpct + socx + female + age + ageSQ + education + employment +
  cntry + year, family = binomial(link = "logit"), data = dat)

m21 <- glm(old ~ netmigpct + emprate + female + age + ageSQ + education + employment +
  cntry + year, family = binomial(link = "logit"), data = dat)
m22 <- glm(unempl ~ netmigpct + emprate + female + age + ageSQ + education +
  employment + cntry + year, family = binomial(link = "logit"), data = dat)
m23 <- glm(income ~ netmigpct + emprate + female + age + ageSQ + education +
  employment + cntry + year, family = binomial(link = "logit"), data = dat)
m24 <- glm(jobs ~ netmigpct + emprate + female + age + ageSQ + education + employment
  + cntry + year, family = binomial(link = "logit"), data = dat)

```

```

texreg:htmlreg(list(m1,m2,m3,m4,m5,m6,m7,m8,m9,m10,m11,m12,
                    m13,m14,m15,m16,m17,m18,m19,m20,m21,m22,m23,m24),
omit.coef = c("(cntry|year)"),
reorder.coef = c(2,11,12,13,3,4,5,6,7,8,9,10,1),
               override.coef = list(exp(m1$coefficients),
                                   exp(m2$coefficients),
                                   exp(m3$coefficients),
                                   exp(m4$coefficients),
                                   exp(m5$coefficients),
                                   exp(m6$coefficients),
                                   exp(m7$coefficients),
                                   exp(m8$coefficients),
                                   exp(m9$coefficients),
                                   exp(m10$coefficients),
                                   exp(m11$coefficients),
                                   exp(m12$coefficients),
                                   exp(m13$coefficients),
                                   exp(m14$coefficients),
                                   exp(m15$coefficients),
                                   exp(m16$coefficients),
                                   exp(m17$coefficients),
                                   exp(m18$coefficients),
                                   exp(m19$coefficients),
                                   exp(m20$coefficients),
                                   exp(m21$coefficients),
                                   exp(m22$coefficients),
                                   exp(m23$coefficients),
                                   exp(m24$coefficients)),
override.se = list(coef(summary(m1))[, "z value"],
                   coef(summary(m2))[, "z value"],
                   coef(summary(m3))[, "z value"],
                   coef(summary(m4))[, "z value"],
                   coef(summary(m5))[, "z value"],
                   coef(summary(m6))[, "z value"],
                   coef(summary(m7))[, "z value"],
                   coef(summary(m8))[, "z value"],
                   coef(summary(m9))[, "z value"],
                   coef(summary(m10))[, "z value"],
                   coef(summary(m11))[, "z value"],
                   coef(summary(m12))[, "z value"],
                   coef(summary(m13))[, "z value"],
                   coef(summary(m14))[, "z value"],
                   coef(summary(m15))[, "z value"],
                   coef(summary(m16))[, "z value"],
                   coef(summary(m17))[, "z value"],
                   coef(summary(m18))[, "z value"],
                   coef(summary(m19))[, "z value"],
                   coef(summary(m20))[, "z value"],
                   coef(summary(m21))[, "z value"],
                   coef(summary(m22))[, "z value"],
                   coef(summary(m23))[, "z value"],
                   coef(summary(m24))[, "z value"]),
file = "Replication.html")

```

Team: 80
Software: R
Version: ORIGINAL

```
library(haven)
library(dplyr)
library(labelled)
library(stargazer)

data1 <- read_dta("ZA2900.dta")
data2 <- read_dta("ZA4700.dta")
data.country <- read_dta("L2data.dta")

data1$year <- 1996
data2$year <- 2006

data1$wavel <- 1
data2$wavel <- 1

data1 <- remove_labels(data1, user_na_to_na = TRUE)
data2 <- remove_labels(data2, user_na_to_na = TRUE)
data.country <- remove_labels(data.country, user_na_to_na = TRUE)

data1 <- data1 %>%
  mutate(old.age.care=v39,unemployed=v41,reduce.income.diff=v42,jobs=v36) %>%

  mutate_at(c("old.age.care","unemployed","reduce.income.diff","jobs"),funs(case_when(.
    == 2 ~ 1,

data1$female<-case_when(data1$v200==2~1,data1$v200==1~0)

data1$age <- data1$v201
data1$age2 <- data1$age*data1$age
data1$edu <- case_when(is.na(data1$v205)==F & data1$v205<5 ~ "primary or less",
  data1$v205 == 5 ~ "secondary",
  data1$v205 == 6 ~ "secondary",
  data1$v205 == 7 ~ "university or more")

data1$edu.factor <- factor(data1$edu) %>% relevel(ref = "secondary")
data1$employment <- NA
data1$employment[data1$v206 == 1] <- "full-time"
data1$employment[data1$v206 == 2] <- "part-time"
data1$employment[data1$v206 == 3] <- "active unemployed"
data1$employment[data1$v206 == 5] <- "active unemployed"
data1$employment[data1$v206 == 4] <- "active unemployed"
data1$employment[data1$v206 == 6] <- "not active"
data1$employment[data1$v206 == 7] <- "not active"
data1$employment[data1$v206 == 8] <- "not active"
data1$employment[data1$v206 == 9] <- "not active"
data1$employment[data1$v206 == 10] <- "not active"

data1$employment.factor <- factor(data1$employment) %>% relevel(ref = "full-time")

data1$country <- ""
data1$country[data1$v3 == 1] <- "Australia"
data1$country[data1$v3 == 2] <- "Germany"
data1$country[data1$v3 == 3] <- "Germany"
data1$country[data1$v3 == 4] <- "United Kingdom"
data1$country[data1$v3 == 5] <- "Northern Ireland"
data1$country[data1$v3 == 6] <- "United States"
data1$country[data1$v3 == 7] <- "Austria"
data1$country[data1$v3 == 8] <- "Hungary"
```

```

data1$country[data1$v3 == 9] <- "Italy"
data1$country[data1$v3 == 10] <- "Ireland"
data1$country[data1$v3 == 11] <- "Netherlands"
data1$country[data1$v3 == 12] <- "Norway"
data1$country[data1$v3 == 13] <- "Sweden"
data1$country[data1$v3 == 14] <- "Czech Republic"
data1$country[data1$v3 == 15] <- "Slovenia"
data1$country[data1$v3 == 16] <- "Poland"
data1$country[data1$v3 == 17] <- "Bulgaria"
data1$country[data1$v3 == 18] <- "Russia"
data1$country[data1$v3 == 19] <- "New Zealand"
data1$country[data1$v3 == 20] <- "Canada"
data1$country[data1$v3 == 21] <- "Philippines"
data1$country[data1$v3 == 22] <- "Israel"
data1$country[data1$v3 == 23] <- "Israel"
data1$country[data1$v3 == 24] <- "Japan"
data1$country[data1$v3 == 25] <- "Spain"
data1$country[data1$v3 == 26] <- "Latvia"
data1$country[data1$v3 == 27] <- "France"
data1$country[data1$v3 == 28] <- "Cyprus"
data1$country[data1$v3 == 30] <- "Switzerland"

data1$id <- data1$v2
data1 <- select(data1, old.age.care, unemployed, reduce.income.diff, jobs, year,
  country, id,
  age, age2, female, edu, edu.factor, employment, employment.factor)

data2 <- data2 %>%
  mutate(old.age.care=V28,unemployed=V30,reduce.income.diff=V31,jobs=V25) %>%

  mutate_at(c("old.age.care","unemployed","reduce.income.diff","jobs"),funs(case_when(.
    == 2 ~ 1,

    . == 3 ~ 0,

    . == 4 ~0,

    TRUE ~ .)))
  TRUE ~ .)))

data2$female<-case_when(data2$sex==2~1,data2$sex==1~0)

data2$age2 <- data2$age*data2$age

data2$edu <- case_when(is.na(data2$degree)==F & data2$degree<3 ~ "primary or less",
  data2$degree == 3 ~ "secondary",
  data2$degree == 4 ~ "secondary",
  data2$degree == 5 ~ "university or more")

data2$edu.factor <- factor(data2$edu) %>% relevel(ref = "secondary")

data2$employment <- NA
data2$employment[data2$wrkst == 1] <- "full-time"
data2$employment[data2$wrkst == 2] <- "part-time"
data2$employment[data2$wrkst == 3] <- "active unemployed"
data2$employment[data2$wrkst == 5] <- "active unemployed"
data2$employment[data2$wrkst == 4] <- "active unemployed"
data2$employment[data2$wrkst == 6] <- "not active"
data2$employment[data2$wrkst == 7] <- "not active"
data2$employment[data2$wrkst == 8] <- "not active"
data2$employment[data2$wrkst == 9] <- "not active"
data2$employment[data2$wrkst == 10] <- "not active"

```

```

data2$employment.factor <- factor(data2$employment) %>% relevel(ref = "full-time")

data2$country <- ""
data2$country[data2$V3a == 36] <- "Australia"
data2$country[data2$V3a == 124] <- "Canada"
data2$country[data2$V3a == 152] <- "Chile"
data2$country[data2$V3a == 158] <- "Taiwan"
data2$country[data2$V3a == 191] <- "Croatia"
data2$country[data2$V3a == 203] <- "Czech Republic"
data2$country[data2$V3a == 208] <- "Denmark"
data2$country[data2$V3a == 214] <- "Dominican Republic"
data2$country[data2$V3a == 246] <- "Finland"
data2$country[data2$V3a == 250] <- "France"
data2$country[data2$V3a == 276] <- "Germany"
data2$country[data2$V3a == 348] <- "Hungary"
data2$country[data2$V3a == 372] <- "Ireland"
data2$country[data2$V3a == 376] <- "Israel"
data2$country[data2$V3a == 392] <- "Japan"
data2$country[data2$V3a == 410] <- "South Korea"
data2$country[data2$V3a == 428] <- "Latvia"
data2$country[data2$V3a == 528] <- "Netherlands"
data2$country[data2$V3a == 554] <- "New Zealand"
data2$country[data2$V3a == 578] <- "Norway"
data2$country[data2$V3a == 608] <- "Philippines"
data2$country[data2$V3a == 616] <- "Poland"
data2$country[data2$V3a == 620] <- "Portugal"
data2$country[data2$V3a == 643] <- "Russia"
data2$country[data2$V3a == 705] <- "Slovenia"
data2$country[data2$V3a == 710] <- "South Africa"
data2$country[data2$V3a == 724] <- "Spain"
data2$country[data2$V3a == 752] <- "Sweden"
data2$country[data2$V3a == 756] <- "Switzerland"
data2$country[data2$V3a == 826] <- "United Kingdom"
data2$country[data2$V3a == 840] <- "United States"
data2$country[data2$V3a == 858] <- "Uruguay"
data2$country[data2$V3a == 862] <- "Venezuela"

data2$id <- data2$V2

data2 <- select(data2, old.age.care, unemployed, reduce.income.diff, jobs, year,
  country, id,
  age, age2, female, edu, edu.factor, employment, employment.factor)

cri.data <- rbind.data.frame(data1, data2)
cri.full <- left_join(cri.data, data.country)

table(cri.full$country, cri.full$year)

sample <- c("Norway", "Switzerland", "Sweden", "United States", "Ireland", "Japan",
  "United Kingdom", "Germany", "France", "Canada", "Australia", "New Zealand", "Spain")
cri.full <- cri.full %>% filter(country %in% sample)

m1a <- glm(old.age.care ~ foreignpct + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m1b <- glm(unemployed ~ foreignpct + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m1c <- glm(reduce.income.diff ~ foreignpct + factor(country) + factor(year) + female +
  age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m1d <- glm(jobs ~ foreignpct + factor(country) + factor(year) + female + age + age2 +
  edu.factor + employment.factor, data=cri.full, family = "binomial")

m2a <- glm(old.age.care ~ foreignpct + socx + factor(country) + factor(year) + female
  + age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")

```



```

m2b <- glm(unemployed ~ foreignpct + socx + factor(country) + factor(year) + female +
  age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m2c <- glm(reduce.income.diff ~ foreignpct + socx + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m2d <- glm(jobs ~ foreignpct + socx + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")

m3a <- glm(old.age.care ~ foreignpct + emprate + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m3b <- glm(unemployed ~ foreignpct + emprate + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m3c <- glm(reduce.income.diff ~ foreignpct + emprate + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m3d <- glm(jobs ~ foreignpct + emprate + factor(country) + factor(year) + female +
  age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")

m4a <- glm(old.age.care ~ netmigpct + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m4b <- glm(unemployed ~ netmigpct + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m4c <- glm(reduce.income.diff ~ netmigpct + factor(country) + factor(year) + female +
  age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m4d <- glm(jobs ~ netmigpct + factor(country) + factor(year) + female + age + age2 +
  edu.factor + employment.factor, data=cri.full, family = "binomial")

m5a <- glm(old.age.care ~ netmigpct + socx + factor(country) + factor(year) + female
  + age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m5b <- glm(unemployed ~ netmigpct + socx + factor(country) + factor(year) + female +
  age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m5c <- glm(reduce.income.diff ~ netmigpct + socx + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m5d <- glm(jobs ~ netmigpct + socx + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")

m6a <- glm(old.age.care ~ netmigpct + emprate + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m6b <- glm(unemployed ~ netmigpct + emprate + factor(country) + factor(year) + female
  + age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m6c <- glm(reduce.income.diff ~ netmigpct + emprate + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m6d <- glm(jobs ~ netmigpct + emprate + factor(country) + factor(year) + female + age
  + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")

stargazer2 <- function(model, odd.ratio = T, ...) {
  if(!("list" %in% class(model))) model <- list(model)

  if (odd.ratio) {
    coefOR2 <- lapply(model, function(x) exp(coef(x)))
    seOR2 <- lapply(model, function(x) exp(coef(x)) * summary(x)$coef[, 2])
    p2 <- lapply(model, function(x) summary(x)$coefficients[, 4])
    stargazer(model, coef = coefOR2, se = seOR2, p = p2, ...)
  } else {
    stargazer(model, ...)
  }
}

```

```

    }
  }

stargazer2(m1a, m1b, m1c, m1d, m2a, m2b, m2c, m2d, m3a, m3b, m3c, m3d, odd.ratio=T,
  type ="html", out = "reg1_new.doc", no.space = T)
stargazer2(m4a, m4b, m4c, m4d, m5a, m5b, m5c, m5d, m6a, m6b, m6c, m6d, odd.ratio=T,
  type ="html", out = "reg2_new.doc", no.space = T)

```

Team: 80

Software: R

Version: CURATED

```

library(haven)
library(dplyr)
library(labelled)
library(texreg)

data1 <- read_dta("ZA2900.dta")
data2 <- read_dta("ZA4700.dta")
data.country <- read_dta("L2data.dta")

data1$year <- 1996
data2$year <- 2006

data1$wave1 <- 1
data2$wave1 <- 1

data1 <- remove_labels(data1, user_na_to_na = TRUE)
data2 <- remove_labels(data2, user_na_to_na = TRUE)
data.country <- remove_labels(data.country, user_na_to_na = TRUE)

data1 <- data1 %>%
  mutate(old.age.care=v39,unemployed=v41,reduce.income.diff=v42,jobs=v36) %>%

  mutate_at(c("old.age.care","unemployed","reduce.income.diff","jobs"),funs(case_when(.
    == 2 ~ 1,

data1$female<-case_when(data1$v200==2~1,data1$v200==1~0)

data1$age <- data1$v201
data1$age2 <- data1$age*data1$age
data1$edu <- case_when(is.na(data1$v205)==F & data1$v205<5 ~ "primary or less",
  data1$v205 == 5 ~ "secondary",
  data1$v205 == 6 ~ "secondary",
  data1$v205 == 7 ~ "university or more")

data1$edu.factor <- factor(data1$edu) %>% relevel(ref = "secondary")
data1$employment <- NA
data1$employment[data1$v206 == 1] <- "full-time"
data1$employment[data1$v206 == 2] <- "part-time"
data1$employment[data1$v206 == 3] <- "active unemployed"
data1$employment[data1$v206 == 5] <- "active unemployed"
data1$employment[data1$v206 == 4] <- "active unemployed"
data1$employment[data1$v206 == 6] <- "not active"
data1$employment[data1$v206 == 7] <- "not active"
data1$employment[data1$v206 == 8] <- "not active"
data1$employment[data1$v206 == 9] <- "not active"
data1$employment[data1$v206 == 10] <- "not active"

data1$employment.factor <- factor(data1$employment) %>% relevel(ref = "full-time")

data1$country <- ""

```

```

data1$country[data1$v3 == 1] <- "Australia"
data1$country[data1$v3 == 2] <- "Germany"
data1$country[data1$v3 == 3] <- "Germany"
data1$country[data1$v3 == 4] <- "United Kingdom"
data1$country[data1$v3 == 5] <- "Northern Ireland"
data1$country[data1$v3 == 6] <- "United States"
data1$country[data1$v3 == 7] <- "Austria"
data1$country[data1$v3 == 8] <- "Hungary"
data1$country[data1$v3 == 9] <- "Italy"
data1$country[data1$v3 == 10] <- "Ireland"
data1$country[data1$v3 == 11] <- "Netherlands"
data1$country[data1$v3 == 12] <- "Norway"
data1$country[data1$v3 == 13] <- "Sweden"
data1$country[data1$v3 == 14] <- "Czech Republic"
data1$country[data1$v3 == 15] <- "Slovenia"
data1$country[data1$v3 == 16] <- "Poland"
data1$country[data1$v3 == 17] <- "Bulgaria"
data1$country[data1$v3 == 18] <- "Russia"
data1$country[data1$v3 == 19] <- "New Zealand"
data1$country[data1$v3 == 20] <- "Canada"
data1$country[data1$v3 == 21] <- "Philippines"
data1$country[data1$v3 == 22] <- "Israel"
data1$country[data1$v3 == 23] <- "Israel"
data1$country[data1$v3 == 24] <- "Japan"
data1$country[data1$v3 == 25] <- "Spain"
data1$country[data1$v3 == 26] <- "Latvia"
data1$country[data1$v3 == 27] <- "France"
data1$country[data1$v3 == 28] <- "Cyprus"
data1$country[data1$v3 == 30] <- "Switzerland"

data1$id <- data1$v2
data1 <- select(data1, old.age.care, unemployed, reduce.income.diff, jobs, year,
  country, id,
  age, age2, female, edu, edu.factor, employment, employment.factor)

data2 <- data2 %>%
  mutate(old.age.care=V28,unemployed=V30,reduce.income.diff=V31,jobs=V25) %>%

  mutate_at(c("old.age.care","unemployed","reduce.income.diff","jobs"),funs(case_when(.
    == 2 ~ 1,
    == 3 ~ 0,
    == 4 ~0,
    TRUE ~ .)))

data2$female<-case_when(data2$sex==2~1,data2$sex==1~0)

data2$age2 <- data2$age*data2$age

data2$edu <- case_when(is.na(data2$degree)==F & data2$degree<3 ~ "primary or less",
  data2$degree == 3 ~ "secondary",
  data2$degree == 4 ~ "secondary",
  data2$degree == 5 ~ "university or more")

data2$edu.factor <- factor(data2$edu) %>% relevel(ref = "secondary")

data2$employment <- NA
data2$employment[data2$wrkst == 1] <- "full-time"
data2$employment[data2$wrkst == 2] <- "part-time"
data2$employment[data2$wrkst == 3] <- "active unemployed"
data2$employment[data2$wrkst == 5] <- "active unemployed"

```

```

data2$employment[data2$wrkst == 4] <- "active unemployed"
data2$employment[data2$wrkst == 6] <- "not active"
data2$employment[data2$wrkst == 7] <- "not active"
data2$employment[data2$wrkst == 8] <- "not active"
data2$employment[data2$wrkst == 9] <- "not active"
data2$employment[data2$wrkst == 10] <- "not active"

data2$employment.factor <- factor(data2$employment) %>% relevel(ref = "full-time")

data2$country <- ""
data2$country[data2$V3a == 36] <- "Australia"
data2$country[data2$V3a == 124] <- "Canada"
data2$country[data2$V3a == 152] <- "Chile"
data2$country[data2$V3a == 158] <- "Taiwan"
data2$country[data2$V3a == 191] <- "Croatia"
data2$country[data2$V3a == 203] <- "Czech Republic"
data2$country[data2$V3a == 208] <- "Denmark"
data2$country[data2$V3a == 214] <- "Dominican Republic"
data2$country[data2$V3a == 246] <- "Finland"
data2$country[data2$V3a == 250] <- "France"
data2$country[data2$V3a == 276] <- "Germany"
data2$country[data2$V3a == 348] <- "Hungary"
data2$country[data2$V3a == 372] <- "Ireland"
data2$country[data2$V3a == 376] <- "Israel"
data2$country[data2$V3a == 392] <- "Japan"
data2$country[data2$V3a == 410] <- "South Korea"
data2$country[data2$V3a == 428] <- "Latvia"
data2$country[data2$V3a == 528] <- "Netherlands"
data2$country[data2$V3a == 554] <- "New Zealand"
data2$country[data2$V3a == 578] <- "Norway"
data2$country[data2$V3a == 608] <- "Philippines"
data2$country[data2$V3a == 616] <- "Poland"
data2$country[data2$V3a == 620] <- "Portugal"
data2$country[data2$V3a == 643] <- "Russia"
data2$country[data2$V3a == 705] <- "Slovenia"
data2$country[data2$V3a == 710] <- "South Africa"
data2$country[data2$V3a == 724] <- "Spain"
data2$country[data2$V3a == 752] <- "Sweden"
data2$country[data2$V3a == 756] <- "Switzerland"
data2$country[data2$V3a == 826] <- "United Kingdom"
data2$country[data2$V3a == 840] <- "United States"
data2$country[data2$V3a == 858] <- "Uruguay"
data2$country[data2$V3a == 862] <- "Venezuela"

data2$id <- data2$V2

data2 <- select(data2, old.age.care, unemployed, reduce.income.diff, jobs, year,
  country, id,
  age, age2, female, edu, edu.factor, employment, employment.factor)

cri.data <- rbind.data.frame(data1, data2)
cri.full <- left_join(cri.data, data.country)

table(cri.full$country, cri.full$year)

sample <- c("Norway", "Switzerland", "Sweden", "United States", "Ireland", "Japan",
  "United Kingdom", "Germany", "France", "Canada", "Australia", "New Zealand", "Spain")
cri.full <- cri.full %>% filter(country %in% sample)

mla <- glm(old.age.care ~ foreignpct + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
mlb <- glm(unemployed ~ foreignpct + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")

```

```

m1c <- glm(reduce.income.diff ~ foreignpct + factor(country) + factor(year) + female +
  age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m1d <- glm(jobs ~ foreignpct + factor(country) + factor(year) + female + age + age2 +
  edu.factor + employment.factor, data=cri.full, family = "binomial")

m2a <- glm(old.age.care ~ foreignpct + socx + factor(country) + factor(year) + female
  + age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m2b <- glm(unemployed ~ foreignpct + socx + factor(country) + factor(year) + female +
  age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m2c <- glm(reduce.income.diff ~ foreignpct + socx + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m2d <- glm(jobs ~ foreignpct + socx + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")

m3a <- glm(old.age.care ~ foreignpct + emprate + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m3b <- glm(unemployed ~ foreignpct + emprate + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m3c <- glm(reduce.income.diff ~ foreignpct + emprate + factor(country) + factor(year)
  + female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m3d <- glm(jobs ~ foreignpct + emprate + factor(country) + factor(year) + female +
  age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")

m4a <- glm(old.age.care ~ netmigpct + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m4b <- glm(unemployed ~ netmigpct + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m4c <- glm(reduce.income.diff ~ netmigpct + factor(country) + factor(year) + female +
  age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m4d <- glm(jobs ~ netmigpct + factor(country) + factor(year) + female + age + age2 +
  edu.factor + employment.factor, data=cri.full, family = "binomial")

m5a <- glm(old.age.care ~ netmigpct + socx + factor(country) + factor(year) + female
  + age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m5b <- glm(unemployed ~ netmigpct + socx + factor(country) + factor(year) + female +
  age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m5c <- glm(reduce.income.diff ~ netmigpct + socx + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m5d <- glm(jobs ~ netmigpct + socx + factor(country) + factor(year) + female + age +
  age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")

m6a <- glm(old.age.care ~ netmigpct + emprate + factor(country) + factor(year) +
  female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m6b <- glm(unemployed ~ netmigpct + emprate + factor(country) + factor(year) + female
  + age + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")
m6c <- glm(reduce.income.diff ~ netmigpct + emprate + factor(country) + factor(year)
  + female + age + age2 + edu.factor + employment.factor, data=cri.full, family =
  "binomial")
m6d <- glm(jobs ~ netmigpct + emprate + factor(country) + factor(year) + female + age
  + age2 + edu.factor + employment.factor, data=cri.full, family = "binomial")

models <- list(m1a, m1b, m1c, m1d, m2a, m2b, m2c, m2d, m3a, m3b, m3c, m3d)

```

```

htmlreg(models,
  override.coef = lapply(models, function(x) exp(coef(x))),
  override.se = lapply(models, function(x) coef(x)/sqrt(diag(vcov(x)))),
  caption.above = TRUE, omit.coef = "(factor)|(edu)|(female)|(age)",
  single.row = FALSE, stars = c(0.001, 0.01, 0.05),
  digits = 3,
  file = "table.doc")

models2 <- list(m4a, m4b, m4c, m4d, m5a, m5b, m5c, m5d, m6a, m6b, m6c, m6d)
htmlreg(models2,
  override.coef = lapply(models2, function(x) exp(coef(x))),
  override.se = lapply(models2, function(x) coef(x)/sqrt(diag(vcov(x)))),
  caption.above = TRUE, omit.coef = "(factor)|(edu)|(female)|(age)",
  single.row = FALSE, stars = c(0.001, 0.01, 0.05),
  digits = 3,
  file = "table2.doc")

```

Team: 81
Software: Stata
Version: ORIGINAL

```
clear
use "L2data.dta"

gen id=0
replace id=1 if country== "Australia"
replace id=2 if country== "Canada"
replace id=4 if country== "France"
replace id=5 if country== "Germany"
replace id=8 if country== "Isreal"
replace id=9 if country== "Japan"
replace id=11 if country== "New Zealand"
replace id=12 if country== "Norway"
replace id=16 if country== "Spain"
replace id=17 if country== "Sweden"
replace id=18 if country== "Switzerland"
replace id=19 if country== "United Kingdom"
replace id=20 if country== "United States"

recode id (0=.) (1=1 "Australia") (2=2 "Canada") (4=4 "France") (5=5 "Germany") ///
(8=8 "Isreal") (9=9 "Japan") (11=11 "New Zealand") (12=12 "Norway") ///
(16=16 "Spain") (17=17 "Sweden") (18=18 "Switzerland") (19=19 "United Kingdom") (20=20
"United States"),gen(id2)

save "L2datav2.dta"

clear
use "ZA2900.dta"

gen id=0
replace id=1 if v3== 1
replace id=2 if v3== 20
replace id=4 if v3== 27
replace id=5 if v3== 2
replace id=5 if v3== 3
replace id=8 if v3== 22
replace id=8 if v3== 23
replace id=9 if v3== 24
replace id=11 if v3== 19
replace id=12 if v3== 12
replace id=16 if v3== 25
replace id=17 if v3== 13
replace id=18 if v3== 30
replace id=19 if v3== 4
replace id=20 if v3== 6

recode id (0=.) (1=1 "Australia") (2=2 "Canada") (4=4 "France") (5=5 "Germany") ///
(8=8 "Isreal") (9=9 "Japan") (11=11 "New Zealand") (12=12 "Norway") ///
(16=16 "Spain") (17=17 "Sweden") (18=18 "Switzerland") (19=19 "United Kingdom") (20=20
"United States"),gen(id2)

gen year=1996

recode v36 (1=1) (2=1) (3=0) (4=0), gen(jobs)
recode v38 (1=1) (2=1) (3=0) (4=0), gen(oldage)
recode v41 (1=1) (2=1) (3=0) (4=0), gen(unemployed)
recode v42 (1=1) (2=1) (3=0) (4=0), gen(Reduceincome)
```

```

recode v200 (1=0) (2=1), gen(female)

gen age=v201
gen agesq=age*age

recode v205 (1=.) (2=1 "primary") (3=1) (4=2 "secondary") (5=2) (6=3) (7=3
"university"), gen(edu)
recode v206 (1=1 "FT") (8=1) (4=1) (2=2 "PT") (3=2) (5=3 "active unemployed") (10=4 "not
active") (9=4) (7=4) (6=3), gen(employed) //

save "ZA2900v2.dta"

clear
use "ZA4700.dta"

gen id=0
replace id=1 if V3== 36
replace id=2 if V3== 124
replace id=4 if V3== 250
replace id=5 if V3== 276.1
replace id=5 if V3== 276.2
replace id=8 if V3== 376.1
replace id=8 if V3== 376.2
replace id=9 if V3== 392
replace id=11 if V3== 554
replace id=12 if V3== 578
replace id=16 if V3== 724
replace id=17 if V3== 752
replace id=18 if V3== 756
replace id=19 if V3== 826.1
replace id=20 if V3== 840

gen year=2006

recode id (0=.) (1=1 "Australia") (2=2 "Canada") (4=4 "France") (5=5 "Germany") ///
(8=8 "Israel") (9=9 "Japan") (11=11 "New Zealand") (12=12 "Norway") ///
(16=16 "Spain") (17=17 "Sweden") (18=18 "Switzerland") (19=19 "United Kingdom") (20=20
"United States"), gen(id2)

recode V25 (1=1) (2=1) (3=0) (4=0), gen(jobs)
recode V28 (1=1) (2=1) (3=0) (4=0), gen(oldage)
recode V30 (1=1) (2=1) (3=0) (4=0), gen(unemployed)
recode V31 (1=1) (2=1) (3=0) (4=0), gen(Reduceincome)

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

gen agesq=age*age

recode degree (0=.) (1=1 "primary") (1=1) (3=2 "secondary") (3=2) (5=3
"university"), gen(edu)
recode wrkst (1=1 "FT") (8=1) (4=1) (2=2 "PT") (3=2) (5=3 "active unemployed") (10=4 "not
active") (9=4) (7=4) (6=3), gen(employed) //

save "ZA4700v2.dta", replace

clear

use "ZA2900v2.dta", clear

```



```

merge m:m id2 using "L2datav2.dta", force

save "20180906_1996combine.dta", replace


clear

use "L2datav2.dta", clear

merge m:m id2 using "ZA4700v2.dta"

save "20180906_2006combine.dta", replace


clear
use "20180906_1996combine.dta"
xtset, clear
xtset id2


xtlogit jobs female agesq b2.edu b1.employed foreignpct, or
outreg2 using "jobs_96.xls", eform cti(odds ratio) dec(2) excel replace

xtlogit jobs female agesq b2.edu b1.employed foreignpct socx, or
outreg2 using "jobs_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit jobs female agesq b2.edu b1.employed foreignpct emprate, or
outreg2 using "jobs_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit jobs female agesq b2.edu b1.employed netmigpct, or
outreg2 using "jobs_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit jobs female agesq b2.edu b1.employed socx netmigpct, or
outreg2 using "jobs_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit jobs female agesq b2.edu b1.employed emprate netmigpct, or
outreg2 using "jobs_96.xls", eform cti(odds ratio) dec(2) excel append


xtlogit oldage female agesq b2.edu b1.employed foreignpct, or
outreg2 using "Oldage_96.xls", eform cti(odds ratio) dec(2) excel replace

xtlogit oldage female agesq b2.edu b1.employed foreignpct socx, or
outreg2 using "Oldage_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit oldage female agesq b2.edu b1.employed foreignpct emprate, or
outreg2 using "Oldage_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit oldage female agesq b2.edu b1.employed netmigpct, or
outreg2 using "Oldage_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit oldage female agesq b2.edu b1.employed socx netmigpct, or
outreg2 using "Oldage_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit oldage female agesq b2.edu b1.employed emprate netmigpct, or
outreg2 using "Oldage_96.xls", eform cti(odds ratio) dec(2) excel append


xtlogit unemployed female agesq b2.edu b1.employed foreignpct, or
outreg2 using "Unemployment_96.xls", eform cti(odds ratio) dec(2) excel replace

```

```

xtlogit unemployed female agesq b2.edu b1.employed foreignpct socx, or
outreg2 using "Unemployment_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit unemployed female agesq b2.edu b1.employed foreignpct emprate, or
outreg2 using "Unemployment_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit unemployed female agesq b2.edu b1.employed netmigpct, or
outreg2 using "Unemployment_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit unemployed female agesq b2.edu b1.employed socx netmigpct, or
outreg2 using "Unemployment_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit unemployed female agesq b2.edu b1.employed emprate netmigpct, or
outreg2 using "Unemployment_96.xls", eform cti(odds ratio) dec(2) excel append


xtlogit Reduceincome female agesq b2.edu b1.employed foreignpct, or
outreg2 using "Reduceincome_96.xls", eform cti(odds ratio) dec(2) excel replace

xtlogit Reduceincome female agesq b2.edu b1.employed foreignpct socx, or
outreg2 using "Reduceincome_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit Reduceincome female agesq b2.edu b1.employed foreignpct emprate, or
outreg2 using "Reduceincome_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit Reduceincome female agesq b2.edu b1.employed netmigpct, or
outreg2 using "Reduceincome_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit Reduceincome female agesq b2.edu b1.employed socx netmigpct, or
outreg2 using "Reduceincome_96.xls", eform cti(odds ratio) dec(2) excel append

xtlogit Reduceincome female agesq b2.edu b1.employed emprate netmigpct, or
outreg2 using "Reduceincome_96.xls", eform cti(odds ratio) dec(2) excel append


clear
use "20180906_2006combine.dta", clear
xtset, clear
xtset id2


xtlogit jobs female agesq b2.edu b1.employed foreignpct, or
outreg2 using "jobs_06.xls", eform cti(odds ratio) dec(2) excel replace

xtlogit jobs female agesq b2.edu b1.employed foreignpct socx, or
outreg2 using "jobs_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit jobs female agesq b2.edu b1.employed foreignpct emprate, or
outreg2 using "jobs_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit jobs female agesq b2.edu b1.employed netmigpct, or
outreg2 using "jobs_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit jobs female agesq b2.edu b1.employed socx netmigpct, or
outreg2 using "jobs_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit jobs female agesq b2.edu b1.employed emprate netmigpct, or
outreg2 using "jobs_06.xls", eform cti(odds ratio) dec(2) excel append


xtlogit oldage female agesq b2.edu b1.employed foreignpct, or
outreg2 using "Oldage_06.xls", eform cti(odds ratio) dec(2) excel replace

```

```

xtlogit oldage female agesq b2.edu b1.employed foreignpct socx, or
outreg2 using "Oldage_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit oldage female agesq b2.edu b1.employed foreignpct emprate, or
outreg2 using "Oldage_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit oldage female agesq b2.edu b1.employed netmigpct, or
outreg2 using "Oldage_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit oldage female agesq b2.edu b1.employed socx netmigpct, or
outreg2 using "Oldage_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit oldage female agesq b2.edu b1.employed emprate netmigpct, or
outreg2 using "Oldage_06.xls", eform cti(odds ratio) dec(2) excel append


xtlogit unemployed female agesq b2.edu b1.employed foreignpct, or
outreg2 using "Unemployment_06.xls", eform cti(odds ratio) dec(2) excel replace

xtlogit unemployed female agesq b2.edu b1.employed foreignpct socx, or
outreg2 using "Unemployment_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit unemployed female agesq b2.edu b1.employed foreignpct emprate, or
outreg2 using "Unemployment_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit unemployed female agesq b2.edu b1.employed netmigpct, or
outreg2 using "Unemployment_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit unemployed female agesq b2.edu b1.employed socx netmigpct, or
outreg2 using "Unemployment_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit unemployed female agesq b2.edu b1.employed emprate netmigpct, or
outreg2 using "Unemployment_06.xls", eform cti(odds ratio) dec(2) excel append


xtlogit Reduceincome female agesq b2.edu b1.employed foreignpct, or
outreg2 using "Reduceincome_06.xls", eform cti(odds ratio) dec(2) excel replace

xtlogit Reduceincome female agesq b2.edu b1.employed foreignpct socx, or
outreg2 using "Reduceincome_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit Reduceincome female agesq b2.edu b1.employed foreignpct emprate, or
outreg2 using "Reduceincome_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit Reduceincome female agesq b2.edu b1.employed netmigpct, or
outreg2 using "Reduceincome_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit Reduceincome female agesq b2.edu b1.employed socx netmigpct, or
outreg2 using "Reduceincome_06.xls", eform cti(odds ratio) dec(2) excel append

xtlogit Reduceincome female agesq b2.edu b1.employed emprate netmigpct, or
outreg2 using "Reduceincome_06.xls", eform cti(odds ratio) dec(2) excel append

```

Team: 82
Software: Stata
Version: ORIGINAL

```
use "ZA2900.dta", clear

recode v3 (1=36) (2/3=276) (4=826) (6=840) (8=348) (9=.) (10=372) (12=578) (13=752)
      (14=203) (15=705) (16=616) (17=.) (18=643) (19=554) (20=124) (21=608) (22/23=376)
      (24=392) (25=724) (26=428) (27=250) (28=.) (30=756), gen(v3a)
label define cntrylbl 36 "Australia" 124 "Canada" 152 "Chile" 158 "Taiwan" 191
      "Croatia" 203 "Czech" 208 "Denmark" 246 "Finland" 250 "France" 276 "Germany" 348
      "Hungary" 372 "Ireland" 376 "Israel" 392 "Japan" 410 "S Korea" 428 "Latvia" 528
      "Netherlands" 554 "New Zealand" 578 "Norway" 608 "Philippines" 616 "Poland" 620
      "Portugal" 643 "Russia" 705 "Slovenia" 724 "Spain" 752 "Sweden" 756 "Switzerland" 826
      "Great Britain" 840 "United States"
label values v3a cntrylbl

recode v4 (2=0) (8/9=.) (0=.), gen(dobeylaws)

recode v5 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgprotest)
recode orgprotest (1/2=0) (3/4=1), gen(dorgprotest)

recode v6 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgmarch)
recode orgmarch (1/2=0) (3/4=1), gen(dmarch)

recode v7 (1=4) (2=3) (3=2) (2=1) (8/9=.), gen(orgstrike)
recode orgstrike (1/2=0) (3/4=1), gen(dorgstrike)

recode v25 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)

recode v26 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)
recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)

recode v27 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)

recode v28 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)

recode v29 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)

recode v30 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)

recode v31 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)

recode v32 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)

recode v36 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)

recode v37 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)

recode v38 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)
```

```

recode v39 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)

recode v40 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)

recode v41 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)

recode v42 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)

recode v43 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)

recode v44 (1=4) (2=3) (3=2) (4=1), gen(govhousing)
recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

recode v45 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)

recode v19 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)

recode v20 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)

recode v21 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)

recode v22 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)

recode v23 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)

recode v24 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)

rename v201 age
gen agesq=age*age

recode v200 (1=0) (2=1), gen(female)

rename v202 marst
recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode v203 (2=0), gen(partner)

rename v273 hhsize
recode v274 (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)
local i = 10
while `i' < 27 {
    replace kidshh=1 if v274==`i'
    local i = `i' + 2
}

recode v275 (3=1) (nonmiss=0), gen(rural)
recode v275 (2=1) (nonmiss=0), gen(suburb)

```

```

rename v324 ETHNIC

rename v204 edyears
rename v205 edcat
recode edcat (1/3=1) (4=2) (5=3) (6=4) (7=5), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename v208 isco
rename v209 occ2
rename v215 hourswrk

recode v206 (2/10=0), gen(ftemp)
recode v206 (2/4=1) (nonmiss=0), gen(ptemp)
recode v206 (5=1) (nonmiss=0), gen(unemp)
recode v206 (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=v213==1
replace selfemp=. if v206==.
gen pubemp=(v212==1 | v212==2)
replace pubemp=. if v206==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if v206==.

rename v218 faminc

gen inczscore=.
levelsof v3a, local(cntries)
foreach cntryval of local cntries {
    zscore faminc if v3a==`cntryval', listwise
    replace inczscore=z_faminc if v3a==`cntryval'
    drop z_faminc
}

recode v222 (2=0), gen(union)

rename v223 party

recode v220 (1/2=1) (nonmiss=0), gen(highrel)
recode v220 (3/5=1) (nonmiss=0), gen(lowrel)
recode v220 (6=1) (nonmiss=0), gen(norel)
rename v220 religion

gen year=1996
gen yr2006=0

rename v3a cntry

rename v325 wgths

save "ISSP96recode.dta", replace

use "ZA4700.dta", clear

recode V17 (1=5) (2=4) (4=2) (5=1), gen(spendenv)
recode spendenv (1/3=0) (4/5=1), gen(dspendenv)

recode V18 (1=5) (2=4) (4=2) (5=1), gen(spendhealth)

```

```

recode spendhealth (1/3=0) (4/5=1), gen(dspendhealth)

recode V19 (1=5) (2=4) (4=2) (5=1), gen(spendlaw)
recode spendlaw (1/3=0) (4/5=1), gen(dspendlaw)

recode V20 (1=5) (2=4) (4=2) (5=1), gen(spendedu)
recode spendedu (1/3=0) (4/5=1), gen(dspendedu)

recode V21 (1=5) (2=4) (4=2) (5=1), gen(spenddef)
recode spenddef (1/3=0) (4/5=1), gen(dspenddef)

recode V22 (1=5) (2=4) (4=2) (5=1), gen(spendret)
recode spendret (1/3=0) (4/5=1), gen(dspendret)

recode V23 (1=5) (2=4) (4=2) (5=1), gen(spendunemp)
recode spendunemp (1/3=0) (4/5=1), gen(dspendunemp)

recode V24 (1=5) (2=4) (4=2) (5=1), gen(spendart)
recode spendart (1/3=0) (4/5=1), gen(dspendart)

recode V35 (1=5) (2=4) (4=2) (5=1), gen(suchcare)
recode suchcare (1/3=0) (4/5=1), gen(dsuchcare)

recode V36 (1=5) (2=4) (4=2) (5=1), gen(sucret)
recode sucret (1/3=0) (4/5=1), gen(dsucret)

recode V37 (1=5) (2=4) (4=2) (5=1), gen(sucdef)
recode sucdef (1/3=0) (4/5=1), gen(dsucdef)

recode V38 (1=5) (2=4) (4=2) (5=1), gen(suclaw)
recode suclaw (1/3=0) (4/5=1), gen(dsuclaw)

recode V39 (1=5) (2=4) (4=2) (5=1), gen(sucunemp)
recode sucunemp (1/3=0) (4/5=1), gen(dsucunemp)

recode V40 (1=5) (2=4) (4=2) (5=1), gen(sucenv)
recode sucenv (1/3=0) (4/5=1), gen(dsucenv)

recode V25 (1=4) (2=3) (3=2) (4=1), gen(govjobs)
recode govjobs (1/2=0) (3/4=1), gen(dgovjobs)

recode V26 (1=4) (2=3) (3=2) (4=1), gen(govprices)
recode govprices (1/2=0) (3/4=1), gen(dgovprices)

recode V27 (1=4) (2=3) (3=2) (4=1), gen(govhcare)
recode govhcare (1/2=0) (3/4=1), gen(dhcare)

recode V28 (1=4) (2=3) (3=2) (4=1), gen(govretire)
recode govretire (1/2=0) (3/4=1), gen(dgovretire)

recode V29 (1=4) (2=3) (3=2) (4=1), gen(indgrow)
recode indgrow (1/2=0) (3/4=1), gen(dindgrow)

recode V30 (1=4) (2=3) (3=2) (4=1), gen(govunemp)
recode govunemp (1/2=0) (3/4=1), gen(dgovunemp)

recode V31 (1=4) (2=3) (3=2) (4=1), gen(govincdiff)
recode govincdiff (1/2=0) (3/4=1), gen(dgovincdiff)

recode V32 (1=4) (2=3) (3=2) (4=1), gen(govstudents)
recode govstudents (1/2=0) (3/4=1), gen(dgovstud)

recode V33 (1=4) (2=3) (3=2) (4=1), gen(govhousing)

```

```

recode govhousing (1/2=0) (3/4=1), gen(dgovhous)

recode V34 (1=4) (2=3) (3=2) (4=1), gen(lawsenv)
recode lawsenv (1/2=0) (3/4=1), gen(dlawsenv)

recode V11 (1=5) (2=4) (4=2) (5=1), gen(cutspend)
recode cutspend (1/3=0) (4/5=1), gen(dcutspend)

recode V12 (1=5) (2=4) (4=2) (5=1), gen(projjobs)
recode projjobs (1/3=0) (4/5=1), gen(dprojjobs)

recode V13 (1=5) (2=4) (4=2) (5=1), gen(regbus)
recode regbus (1/3=0) (4/5=1), gen(dregbus)

recode V14 (1=5) (2=4) (4=2) (5=1), gen(indnewprod)
recode indnewprod (1/3=0) (4/5=1), gen(dindnewprod)

recode V15 (1=5) (2=4) (4=2) (5=1), gen(decindjobs)
recode decindjobs (1/3=0) (4/5=1), gen(ddecindjobs)

recode V16 (1=5) (2=4) (4=2) (5=1), gen(workwk)
recode workwk (1/3=0) (4/5=1), gen(dworkwk)

rename V41 govdetain
recode govdetain (1/2=1) (3/4=0), gen(dgovdetain)

rename V42 govtapphone
recode govtapphone (1/2=1) (3/4=0), gen(dgovtap)

rename V43 govsearch
recode govsearch (1/2=1) (3/4=0), gen(dgovsearch)

rename V54 trustfew
recode trustfew (1/2 = 0) (3/5 = 1), gen(dtrust)

rename V55 takeadv
recode takeadv (1/2 = 0) (3/5 = 1), gen(dtakeadv)

gen agesq=age*age

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

rename marital marst

recode marst (5=1) (nonmiss=0), gen(nevermar)
recode marst (2/5=0), gen(married)
recode marst (3/4=1) (nonmiss=0), gen(divorced)
recode marst (2=1) (nonmiss=0), gen(widow)

recode cohab (2=0), gen(partner)

rename hompop hhsz

recode hhcycle (2/4=1) (6/8=1) (nonmiss=0), gen(kidshh)

local i = 10
while `i' < 29 {
    //replace kidshh=1 if HHCYCLE==`i'
    replace kidshh=1 if hhcycle==`i'
    local i = `i' + 2
}

```



```

recode urbrural (1/3=0) (4/5=1), gen(rural)
recode urbrural (2/3=1) (nonmiss=0), gen(suburb)

rename educyrs edyears
rename degree edcat

recode edcat (0=1), gen(degree)
label define edlabels 1 "Primary/less" 2 "Some Secondary" 3 "Secondary" 4 "Some Higher
  Ed" 5 "University or higher"
label values degree edlabels

recode degree (1/2=1) (nonmiss=0), gen(lesshs)
recode degree (3/4=1) (nonmiss=0), gen(hs)
recode degree (5=1) (nonmiss=0), gen(univ)

rename wrkst empstat
rename ISCO88 isco

rename wrkhrs hourswrk

recode empstat (2/10=0), gen(ftemp)
recode empstat (2/4=1) (nonmiss=0), gen(ptemp)
recode empstat (5=1) (nonmiss=0), gen(unemp)
recode empstat (6/10=1) (nonmiss=0), gen(nolabor)

gen selfemp=wrktype==4

replace selfemp=. if empstat==.

gen pubemp=(wrktype==1 | wrktype==2)

replace pubemp=. if empstat==.
gen pvtemp=(selfemp==0 & pubemp==0)
replace pvtemp=. if empstat==.

gen inczscore=.
local incvars = "AU_INC CA_INC CH_INC CL_INC CZ_INC DE_INC DK_INC DO_INC ES_INC FI_INC
  FR_INC GB_INC HR_INC HU_INC IE_INC IL_INC JP_INC KR_INC LV_INC NL_INC NO_INC NZ_INC
  PH_INC PL_INC PT_INC RU_INC SE_INC SI_INC TW_INC US_INC UY_INC VE_INC ZA_INC"
foreach incvar of local incvars {
  zscore `incvar', listwise
  replace inczscore=z_`incvar' if z_`incvar'!=.
  drop z_`incvar'
}

d
gen UNION=union
drop union

recode UNION (2/3=0), gen(union)
rename PARTY_LR party

recode attend (1/3=1) (nonmiss=0), gen(highrel)
recode attend (4/7=1) (nonmiss=0), gen(lowrel)
recode attend (8=1) (nonmiss=0), gen(norel)
rename attend religion
rename V3a cntry

rename weight wghts

gen year=2006
gen yr2006=1

```

```

gen mail=mode==34

save "ISSP06recode.dta", replace

append using "ISSP96recode.dta"

sort cntry year
merge m:1 cntry year using "BradyFinnigan2014CountryData.dta"

recode cntry (36=1) (124=1) (208=1) (246=1) (250=1) (276=1) (372=1) (392=1) (528=1)
  (554=1) (578=1) (620=1) (724=1) (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig17)
recode cntry (36=1) (124=1) (250=1) (276=1) (372=1) (392=1) (554=1) (578=1) (724=1)
  (752=1) (756=1) (826=1) (840=1) (else=0), gen(orig13)

save "ISSP9606.dta", replace

global desktop ""

global data "ISSP9606.dta"

global regtable "excel alpha(0.001, 0.01, 0.05) sym(**, **, *) ctitle(`depvar')
  eform bdec(3) sdec(2) stats(coef tstat) onecol append"

use "ISSP9606.dta", clear

keep if year==2006
keep if orig17

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female nevermar divorced widow hhsz kidshh rural suburb
  lesshs univ ptemp unemp nolabor selfemp pubemp inczscore highrel lowrel"

global cntryvars "foreignpct netmigpct cforborn socx socdem liberal emprate"

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)
keep if allcontrols

preserve
keep if allcontrols

keep $depvars $cntryvars $controls

set matsize 800
outreg2 using "$desktop\desc2006.xls", replace noaster excel sideways bdec(3) sdec(3)
  sum(detail) eqkeep(mean sd)

restore

preserve
keep if allcontrols
collapse $depvars, by(cntry)

outsheet cntry $depvars using "$desktop\depvars2006", comma replace
restore

preserve
keep if allcontrols
keep cntry $depvars

```

```

bysort centry: outreg2 using "$desktop\depvars2006.xls", append noaster excel sideways
    bdec(2) sdec(2) sum(detail) eqkeep(mean sd)
restore

foreach depvar in $depvars {
    xtlogit `depvar' $controls, i(centry) quad(30)
    //outreg2 using $desktop\controls2006.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\controls2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct $controls, i(centry) quad(30)
    //outreg2 using $desktop\forborn2006.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\forborn2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct socx $controls, i(centry) quad(30)
    //outreg2 using $desktop\forborn2006socx.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\forborn2006socx.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct socdem liberal $controls, i(centry) quad(30)
    //outreg2 using $desktop\forborn2006regime.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\forborn2006regime.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct emprate $controls, i(centry) quad(30)
    //outreg2 using $desktop\forborn2006emprate.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\forborn2006emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a foreignpct mcp $controls, i(centry) quad(30)
    //outreg2 using $desktop\forborn2006mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\forborn2006mcp.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    rename a `depvar'
}

```

```

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct $controls, i(cntry) quad(30)
    //outreg2 using $desktop\netmig2006.xls, excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\netmig2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct socx $controls, i(cntry) quad(30)
    //outreg2 using $desktop\netmig2006socx.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\netmig2006socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct socdem liberal $controls, i(cntry) quad(30)
    //outreg2 using $desktop\netmig2006regime.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\netmig2006regime.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct emprate $controls, i(cntry) quad(30)
    //outreg2 using $desktop\netmig2006emprate.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\netmig2006emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct mcp $controls, i(cntry) quad(30)
    //outreg2 using $desktop\netmig2006mcp.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\netmig2006mcp.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' netmigpct foreignpct $controls, i(cntry) quad(30)
    //outreg2 using $desktop\netmig2006forborn.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\netmig2006forborn.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn $controls, i(cntry) quad(30)
    //outreg2 using $desktop\cforborn2006.xls, excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\cforborn2006.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn socx $controls, i(cntry) quad(30)
    //outreg2 using $desktop\cforborn2006socx.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\cforborn2006socx.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

```

}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn socdem liberal $controls, i(cntry) quad(30)
    //outreg2 using $desktop\cforborn2006regime.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\cforborn2006regime.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn emprate $controls, i(cntry) quad(30)
    //outreg2 using $desktop\cforborn2006emprate.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\cforborn2006emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn mcp $controls, i(cntry) quad(30)
    //outreg2 using $desktop\cforborn2006mcp.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\cforborn2006mcp.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    rename `depvar' a
    xtlogit a cforborn foreignpct $controls, i(cntry) quad(30)
    //outreg2 using $desktop\cforborn2006forborn.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    ctitle(`depvar')
    outreg2 using "$desktop\cforborn2006forborn.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    ctitle(`depvar')
    rename a `depvar'
}

foreach depvar in $depvars {
    xtlogit `depvar' cforborn netmigpct $controls, i(cntry) quad(30)
    //outreg2 using $desktop\cforborn2006netmig.xls, excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\cforborn2006netmig.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

use "$data", clear
keep if orig13

global depvars "dgovjobs dgovunemp dgovincdiff dgovretire dgovhous dhcare"
global controls "age agesq female lesshs univ ptemp unemp nolabor selfemp inczscore
    yr2006"
global cntryvars "foreignpct netmigpct socx emprate"

egen allcontrols = rowmiss($controls)
recode allcontrols (0=1) (nonmiss=0)

quietly tab cntry, gen(cntryfe)

preserve
keep if allcontrols & year==1996 & dgovincdiff<.
keep $depvars $cntryvars $controls

```

```

outreg2 using "$desktop\desc1996.xls", replace noaster excel sideways bdec(3) sdec(3)
    sum(detail) eqkeep(mean sd)
restore

preserve
keep if allcontrols & year==1996
collapse $depvars, by(cntry)

outsheet cntry $depvars using "$desktop\depvars1996", comma replace

restore

foreach depvar in $depvars {
    logit `depvar' foreignpct $controls cntryfe*
    //outreg2 using $desktop\forborn9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\forborn9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct socx $controls cntryfe*
    //outreg2 using $desktop\forborn9606socx.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\forborn9606socx.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' foreignpct emprate $controls cntryfe*
    //outreg2 using $desktop\forborn9606emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\forborn9606emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct $controls cntryfe*
    //outreg2 using $desktop\netmig9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\netmig9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***, **,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct socx $controls cntryfe*
    //outreg2 using $desktop\netmig9606socx.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\netmig9606socx.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' netmigpct emprate $controls cntryfe*
    //outreg2 using $desktop\netmig9606emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\netmig9606emprate.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

```

foreach depvar in $depvars {
    logit `depvar' netmigpct foreignpct $controls cntryfe*
    //outreg2 using $desktop\netmig9606forborn.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\netmig9606forborn.xls", excel alpha(0.001, 0.01, 0.05)
    sym(***, **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

foreach depvar in $depvars {
    logit `depvar' $controls cntryfe*
    //outreg2 using $desktop\controls9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
    outreg2 using "$desktop\controls9606.xls", excel alpha(0.001, 0.01, 0.05) sym(***,
    **, *) eform bdec(3) sdec(2) stats(coef tstat) onecol append
}

```

Team: 83
Software: R
Version: ORIGINAL

```
p_needed <- c("devtools", "plyr", "tidyverse", "foreign", "readxl",
"lubridate","broom")
packages <- rownames(installed.packages())
p_to_install <- p_needed[!(p_needed %in% packages)]
if (length(p_to_install) > 0) {
  install.packages(p_to_install)
}

lapply(p_needed, require, character.only = TRUE)

rm(list = ls())
if (Sys.getenv("USERNAME") == "") {
  setwd("/")
} else if (Sys.getenv("USER") == "") {
  setwd("/")
} else setwd("C/")

country_sample <- c(36,124,250,276,372,392,554,578,724,752,756,826,840)

issp1996_df <- read.csv(file="ZA2900.csv", head = TRUE, sep = ",")
issp2006_df <- read.csv(file="ZA4700.csv", head = TRUE, sep = ",")
context_df <- read.csv(file="L2data.csv", head = TRUE, sep = ",") %>%
  subset(cntry %in% country_sample)

df_1996 <- select(issp1996_df,v3,v39,v41,v42,v36,v200,v201,v206,v205) %>%
  rename(country = v3,
    att_old_age = v39,
    att_unemployed = v41,
    att_income_diff = v42,
    att_jobs = v36,
    female = v200,
    age = v201,
    employment = v206,
    education = v205) %>%
  mutate_at(vars(matches("att")), funs(recode(., "Definitely should" = 1, "Probably
should" = 1, "Probably not" = 0, "Definitely not" = 0))) %>%
  mutate(female = recode(female, "Female" = 1, "Male" = 0)) %>%
  mutate(age = as.numeric(age)) %>%
  mutate(employment = recode(employment, "Unemployed" = 1, "Studt,school,educ" = 0,
"Retired" = 0, "Permanent disabled" = 0, "P-t empl,main job" = 2, "Oth,n i lab force"
= 0, "Less part-time" = 0, "Housewife <man>" = 0, "Help family member" = 0, "F-time
empl,main job" = 3)) %>%
  mutate(education = recode(education, "Incpl primary" = 1, "Incpl secondary" = 1,
"Primary compl" = 1, "None;still at school,uni" = 1, "Secondary compl" = 2,
"University compl" = 3, "Semi-higher,Incpl uni." = 3)) %>%
  mutate(cntry = recode(country, aus = 36, cdn = 124, f = 250, "D-W" = 276,
"D-E" = 276, gb = 826, irl = 372, j = 392,
nz = 554, n = 578, e = 724, s = 752,
ch = 756, usa = 840)) %>%
  subset(cntry %in% country_sample) %>% select(., -country) %>%
  mutate(year = 1996)

df_2006 <- select(issp2006_df,V3,V28,V30,V31,V25,sex,age,wrkst,degree) %>%
  rename(country = V3,
```



```

    att_old_age = V28,
    att_unemployed = V30,
    att_income_diff = V31,
    att_jobs = V25,
    female = sex,
    employment = wrkst,
    education = degree) %>%
  mutate_at(vars(matches("att")), funs(recode(., "Definitely should be" = 1, "Probably
should be" = 1, "Probably should not be" = 0, "Definitely should not be" = 0))) %>%
  mutate(female = recode(female, "Female" = 1, "Male" = 0)) %>%
  mutate(age = as.numeric(age)) %>%
  mutate(employment = recode(employment, "Unemployed" = 1, "Student,school,vocational
training" = 0, "Retired" = 0, "Permanently disabled" = 0, "Employed, part-time,main
job" = 2, "Other,not in labour force" = 0, "Employed, less than part-time" = 0,
"Housewife,-man,home duties" = 0, "Helping family member" = 0, "Employed, full-
time,main job" = 3)) %>%
  mutate(education = recode(education, "No formal qualification, incomplete primary" =
1, "Lowest formal qualification" = 1, "Above lowest qualification" = 1, "Higher
secondary completed" = 2, "Above higher secondary level,other qualification" = 3,
"University degree completed, graduate studies" = 3)) %>%
  mutate(cntry = recode(country, "AU-Australia" = 36, "CA-Canada" = 124, "FR-France" =
250, "276.1" = 276,
                                "276.2" = 276, "826.1" = 826, "IE-Ireland" = 372, "JP-Japan" =
392,
                                "NZ-New Zealand" = 554, "NO-Norway" = 578, "ES-Spain" = 724,
"SE-Sweden" = 752,
                                "CH-Switzerland" = 756, "US-United States" = 840)) %>%
  subset(cntry %in% country_sample) %>% select(., -country) %>%
  mutate(year = 2006)

df <- rbind(df_1996, df_2006)
df <- inner_join(df, context_df)
df <- mutate(df, age_sq = age*age)

ls(df)
summary(df$att_income_diff)
summary(df$att_jobs)
summary(df$att_old_age)
summary(df$att_unemployed)

df$year <- factor(df$year)

modell <- glm(att_old_age~foreignpct
             +female+age+age_sq+education+employment
             +country+year,
             data=df,
             family=binomial(link='logit'))
#summary(modell)
#exp(coef(modell))

model2 <- glm(att_unemployed~foreignpct
              +female+age+age_sq+education+employment
              +country+year,
              data=df,
              family=binomial(link='logit'))
#summary(model2)
#exp(coef(model2))

```

```

model3 <- glm(att_income_diff~foreignpct
              +female+age+age_sq+education+employment
              +country+year,
              data=df,
              family=binomial(link='logit'))
#summary(model3)
#exp(coef(model3))

model4 <- glm(att_jobs~foreignpct
              +female+age+age_sq+education+employment
              +country+year,
              data=df,
              family=binomial(link='logit'))
#summary(model4)
#exp(coef(model4))

model5 <- glm(att_old_age~foreignpct + socx
              +female+age+age_sq+education+employment
              +country+year,
              data=df,
              family=binomial(link='logit'))
#summary(model5)
#exp(coef(model5))

model6 <- glm(att_unemployed~foreignpct + socx
              +female+age+age_sq+education+employment
              +country+year,
              data=df,
              family=binomial(link='logit'))
#summary(model6)
#exp(coef(model6))

model7 <- glm(att_income_diff~foreignpct+socx
              +female+age+age_sq+education+employment
              +country+year,
              data=df,
              family=binomial(link='logit'))
#summary(model7)
#exp(coef(model7))

model8 <- glm(att_jobs~foreignpct + socx
              +female+age+age_sq+education+employment
              +country+year,
              data=df,
              family=binomial(link='logit'))
#summary(model8)
#exp(coef(model8))

model9 <- glm(att_old_age~foreignpct + emprate
              +female+age+age_sq+education+employment
              +country+year,
              data=df,
              family=binomial(link='logit'))
#summary(model9)
#exp(coef(model9))

model10 <- glm(att_unemployed~foreignpct + emprate
               +female+age+age_sq+education+employment
               +country+year,

```

```

        data=df,
        family=binomial(link='logit'))
#summary(model10)
#exp(coef(model10))

model11 <- glm(att_income_diff~foreignpct + emprate
               +female+age+age_sq+education+employment
               +country+year,
               data=df,
               family=binomial(link='logit'))
#summary(model11)
#exp(coef(model11))

model12 <- glm(att_jobs~foreignpct + emprate
               +female+age+age_sq+education+employment
               +country+year,
               data=df,
               family=binomial(link='logit'))
#summary(model12)
#exp(coef(model12))

model13 <- glm(att_old_age~netmigpct
               +female+age+age_sq+education+employment
               +country+year,
               data=df,
               family=binomial(link='logit'))
#summary(model13)
#exp(coef(model13))

model14 <- glm(att_unemployed~netmigpct
               +female+age+age_sq+education+employment
               +country+year,
               data=df,
               family=binomial(link='logit'))
#summary(model14)
#exp(coef(model14))

model15 <- glm(att_income_diff~netmigpct
               +female+age+age_sq+education+employment
               +country+year,
               data=df,
               family=binomial(link='logit'))
#summary(model15)
#exp(coef(model15))

model16 <- glm(att_jobs~netmigpct
               +female+age+age_sq+education+employment
               +country+year,
               data=df,
               family=binomial(link='logit'))
#summary(model16)
#exp(coef(model16))

model17 <- glm(att_old_age~netmigpct+socx
               +female+age+age_sq+education+employment
               +country+year,
               data=df,
               family=binomial(link='logit'))
#summary(model17)
#exp(coef(model17))

model18 <- glm(att_unemployed~netmigpct+socx

```

```

        +female+age+age_sq+education+employment
        +country+year,
        data=df,
        family=binomial(link='logit'))
#summary(model18)
#exp(coef(model18))

model19 <- glm(att_income_diff~netmigpct+socx
        +female+age+age_sq+education+employment
        +country+year,
        data=df,
        family=binomial(link='logit'))
#summary(model19)
#exp(coef(model19))

model20 <- glm(att_jobs~netmigpct+socx
        +female+age+age_sq+education+employment
        +country+year,
        data=df,
        family=binomial(link='logit'))
#summary(model20)
#exp(coef(model20))

model21 <- glm(att_old_age~netmigpct+emprate
        +female+age+age_sq+education+employment
        +country+year,
        data=df,
        family=binomial(link='logit'))
#summary(model21)
#exp(coef(model21))

model22 <- glm(att_unemployed~netmigpct+emprate
        +female+age+age_sq+education+employment
        +country+year,
        data=df,
        family=binomial(link='logit'))
#summary(model22)
#exp(coef(model22))

model23 <- glm(att_income_diff~netmigpct+emprate
        +female+age+age_sq+education+employment
        +country+year,
        data=df,
        family=binomial(link='logit'))
#summary(model23)
#exp(coef(model23))

model24 <- glm(att_jobs~netmigpct+emprate
        +female+age+age_sq+education+employment
        +country+year,
        data=df,
        family=binomial(link='logit'))
#summary(model24)
#exp(coef(model24))

models <- mget(paste0("model", 1:24))
all_coefs <- plyr::ldply(models, tidy, .id = "model")
head(all_coefs)

coefs <- all_coefs %>% select(model,term,estimate) %>%

```

```

spread(term,estimate)

zvalues <- all_coefs %>% select(model,term,statistic) %>%
  spread(term,statistic)

write.table(coeffs, file = "coefficients.csv", sep = ";",
            na = "NA", dec = ",", row.names = F,
            col.names = T)

write.table(zvalues, file = "zvalues.csv", sep = ";",
            na = "NA", dec = ",", row.names = F,
            col.names = T)

out <- rbind(as.character(coeffs$model),exp(coeffs$foreignpct),zvalues$foreignpct,
            exp(coeffs$socx), zvalues$socx,
            exp(coeffs$emprate), zvalues$emprate,
            exp(coeffs$netmigpct), zvalues$netmigpct,
            coeffs$(Intercept))

terms <- c(" ","Immigrant Stock","z","Social welfare Expenditures","z","Employment
  Rate","z","Change in Immigrant Stock","z","Intercept")

out <- data.frame(terms,out)

write.table(out, file = "out.csv",sep=";",
            na = "NA", row.names = F, col.names=F)

```

Team: 84
Software: R
Version: ORIGINAL

```
L2data <- read.csv("L2data.csv")

require(dplyr)

L2data %>%
  group_by(year) %>%
  summarise_each(funs(mean(., na.rm = TRUE)), foreignpct, emprate, socx, netmigpct) -
  > year.diff

year.diff[3,] <- year.diff[2,] - year.diff[1,]

knitr::kable(year.diff, digits = 3, padding = 2, align='c',
  caption = "Mean of variables of interest across countries (row differences in
  3rd row)")

require(dplyr)

L2data %>%
  group_by(country) %>%
  summarise_each(funs(mean(., na.rm = TRUE)), foreignpct, emprate, socx, netmigpct) ->
  country.diff

knitr::kable(country.diff, digits = 3, padding = 2, align='c',
  caption = "Mean of variables of interest across years")

ZA2900 <- read.csv("ZA2900.csv")
ZA4700 <- read.csv("ZA4700.csv")

ZA2900$v200 <- car::recode(ZA2900$v200, "c('')=NA")
ZA4700$sex <- car::recode(ZA4700$sex, "c('')=NA")

ZA2900 %>%
  count(v200) %>%
  mutate(prop = prop.table(n))

ZA4700 %>%
  count(sex) %>%
  mutate(prop = prop.table(n))

ZA2900$v201 <- car::recode(ZA2900$v201, "c('')=NA")
ZA2900$v201 <- car::recode(ZA2900$v201, "c('15 years')=15")
ZA2900$v201 <- car::recode(ZA2900$v201, "c('97 years')=97")
ZA2900$v201 <- as.numeric(levels(ZA2900$v201))[ZA2900$v201]

ZA2900 %>%
  summarise_each(
    funs(mean(., na.rm = TRUE), sd(., na.rm = TRUE), min(., na.rm = TRUE), max(.,
    na.rm = TRUE)),
    v201)

ZA2900 %>%
  summarise_each(
    funs(mean(., na.rm = TRUE), sd(., na.rm = TRUE), min(., na.rm = TRUE), max(.,
    na.rm = TRUE)),
    v201)

ZA2900$v205.modified <- as.numeric(ZA2900$v205)
```

```

ZA2900$v205.modified <- car::recode(ZA2900$v205.modified, "c(2,3,4)='Primary or
less'")
ZA2900$v205.modified <- car::recode(ZA2900$v205.modified, "c(5,6,7,8)='Secondary and
University or more'")
ZA2900$v205.modified <- car::recode(ZA2900$v205.modified, "c(1)=NA")

ZA4700$degree.modified <- as.numeric(ZA4700$degree)
ZA4700$degree.modified <- car::recode(ZA4700$degree.modified, "c(3,5,6)='Primary or
less'")
ZA4700$degree.modified <- car::recode(ZA4700$degree.modified, "c(2,4,7)='Secondary and
University or more'")
ZA4700$degree.modified <- car::recode(ZA4700$degree.modified, "c(1)=NA")

ZA2900$v206.modified <- as.numeric(ZA2900$v206)
ZA2900$v206.modified <- car::recode(ZA2900$v206.modified, "c(2)='Full-time'")
ZA2900$v206.modified <- car::recode(ZA2900$v206.modified, "c(7)='Part-time'")
ZA2900$v206.modified <- car::recode(ZA2900$v206.modified, "c(11, 3,4,5)='Active
unemployed'")
ZA2900$v206.modified <- car::recode(ZA2900$v206.modified, "c(8,9,10)='Not active'")
ZA2900$v206.modified <- car::recode(ZA2900$v206.modified, "c(1,6)=NA")

ZA4700$wrkst.modified <- as.numeric(ZA4700$wrkst)
ZA4700$wrkst.modified <- car::recode(ZA4700$wrkst.modified, "c(2)='Full-time'")
ZA4700$wrkst.modified <- car::recode(ZA4700$wrkst.modified, "c(4)='Part-time'")
ZA4700$wrkst.modified <- car::recode(ZA4700$wrkst.modified, "c(11,3,5,6)='Active
unemployed'")
ZA4700$wrkst.modified <- car::recode(ZA4700$wrkst.modified, "c(8,9,10)='Not active'")
ZA4700$wrkst.modified <- car::recode(ZA4700$wrkst.modified, "c(1,7)=NA")

ZA2900$v39.modified <- car::recode(ZA2900$v39, "c('')=NA")
ZA2900$v39.modified <- car::recode(ZA2900$v39.modified,
                                "c('Definitely not', 'Probably not') = 'Negative'")
ZA2900$v39.modified <- car::recode(ZA2900$v39.modified,
                                "c('Definitely should', 'Probably should') =
                                'Affirmative'")

ZA4700$V28.modified <- car::recode(ZA4700$V28, "c('')=NA")
ZA4700$V28.modified <- car::recode(ZA4700$V28.modified,
                                "c('Definitely should not be', 'Probably should not
                                be') = 'Negative'")
ZA4700$V28.modified <- car::recode(ZA4700$V28.modified,
                                "c('Definitely should be', 'Probably should be') =
                                'Affirmative'")

ZA2900$v41.modified <- car::recode(ZA2900$v41, "c('')=NA")
ZA2900$v41.modified <- car::recode(ZA2900$v41.modified,
                                "c('Definitely not', 'Probably not') = 'Negative'")
ZA2900$v41.modified <- car::recode(ZA2900$v41.modified,
                                "c('Definitely should', 'Probably should') =
                                'Affirmative'")

ZA4700$V30.modified <- car::recode(ZA4700$V30, "c('')=NA")
ZA4700$V30.modified <- car::recode(ZA4700$V30.modified,
                                "c('Definitely should not be', 'Probably should not
                                be') = 'Negative'")
ZA4700$V30.modified <- car::recode(ZA4700$V30.modified,
                                "c('Definitely should be', 'Probably should be') =
                                'Affirmative'")

ZA2900$v42.modified <- car::recode(ZA2900$v42, "c('')=NA")
ZA2900$v42.modified <- car::recode(ZA2900$v42.modified,

```

```

                                "c('Definitely not', 'Probably not') = 'Negative'")
ZA2900$V42.modified <- car::recode(ZA2900$V42.modified,
                                "c('Definitely should', 'Probably should') =
  'Affirmative'")

ZA4700$V31.modified <- car::recode(ZA4700$V31, "c('')=NA")
ZA4700$V31.modified <- car::recode(ZA4700$V31.modified,
                                "c('Definitely should not be', 'Probably should not
  be') = 'Negative'")
ZA4700$V31.modified <- car::recode(ZA4700$V31.modified,
                                "c('Definitely should be', 'Probably should be') =
  'Affirmative'")

ZA2900$V36.modified <- car::recode(ZA2900$V36, "c('')=NA")
ZA2900$V36.modified <- car::recode(ZA2900$V36.modified,
                                "c('Definitely not', 'Probably not') = 'Negative'")
ZA2900$V36.modified <- car::recode(ZA2900$V36.modified,
                                "c('Definitely should', 'Probably should') =
  'Affirmative'")

ZA4700$V25.modified <- car::recode(ZA4700$V25, "c('')=NA")
ZA4700$V25.modified <- car::recode(ZA4700$V25.modified,
                                "c('Definitely should not be', 'Probably should not
  be') = 'Negative'")
ZA4700$V25.modified <- car::recode(ZA4700$V25.modified,
                                "c('Definitely should be', 'Probably should be') =
  'Affirmative'")

ZA2900$V3.modified <- ZA2900$V3
ZA2900$V3.modified <- plyr::revalue(ZA2900$V3.modified,
  c("aus" = "Australia",
    "cdn" = "Canada",
    "ch" = "Switzerland",
    "cz" = "Czech Republic",
    "D-E" = "Germany",
    "D-W" = "Germany",
    "e" = "Spain",
    "f" = "France",
    "gb" = "United Kingdom",
    "h" = "Hungary",
    "IL-A" = "Israel",
    "IL-J" = "Israel",
    "irl" = "Ireland",
    "j" = "Japan",
    "lv" = "Latvia",
    "n" = "Norway",
    "nz" = "New Zealand",
    "pl" = "Poland",
    "lv" = "Latvia",
    "rus" = "Russia",
    "s" = "Sweden",
    "slo" = "Slovenia",
    "usa" = "United States"
  ))

ZA4700$V3a.modified <- ZA4700$V3a
ZA4700$V3a.modified <- stringr::str_sub(ZA4700$V3a.modified, start = 4)
ZA4700$V3a.modified[ZA4700$V3a.modified == "Great Britain"] <- "United Kingdom"

```



```

merge.1996 <- ZA2900[ , c(
  "v200", "v201", "v205.modified", "v206.modified",
  "v39.modified", "v41.modified", "v42.modified", "v36.modified",
  "v3.modified")]

names(merge.1996) <- c("Sex", "Age", "Education", "Employment",
  "PolPref.Old", "PolPref.Unemployed", "PolPref.Income",
  "PolPref.Jobs",
  "Country")

merge.1996$Year <- "1996"

merge.2006 <- ZA4700[ , c(
  "sex", "age", "degree.modified", "wrkst.modified",
  "V28.modified", "V30.modified", "V31.modified", "V25.modified",
  "V3a.modified")]

names(merge.2006) <- c("Sex", "Age", "Education", "Employment",
  "PolPref.Old", "PolPref.Unemployed", "PolPref.Income",
  "PolPref.Jobs",
  "Country")

merge.2006$Year <- "2006"

merge.1996$Country <- as.character(merge.1996$Country)

merged.1996.2006 <- rbind(merge.1996, merge.2006)
merged.1996.2006 <- merged.1996.2006[merged.1996.2006$Country %in%
  intersect(merge.1996$Country,
  merge.2006$Country), ]

Cntry <- L2data[, c(7,2,3:6)]
names(Cntry)[1:2] <- c("Country", "Year")

Cntry$Country <- as.character(Cntry$Country)
Cntry[21:22, "Country"] <- "Israel"

data.merged <- merge(merged.1996.2006, Cntry)

data.merged[c(1,2,5,6)] <- lapply(data.merged[c(1,2,5,6)], factor)

data.merged$AgeSq <- (data.merged$Age)^2

data.merged$PolPref.Old.N <- (2-as.numeric(data.merged$PolPref.Old))
data.merged$PolPref.Unemployed.N <- (2-as.numeric(data.merged$PolPref.Unemployed))
data.merged$PolPref.Income.N <- (2-as.numeric(data.merged$PolPref.Income))
data.merged$PolPref.Jobs.N <- (2-as.numeric(data.merged$PolPref.Jobs))

data.merged$Education <- relevel(data.merged$Education, ref = "Secondary and
  University or more")
data.merged$Employment <- relevel(data.merged$Employment, ref = "Full-time")

'%!in%' <- function(x,y)!('%in%'(x,y))

data.merged.13 <- data.merged[data.merged$Country %!in%
  c("Czech Republic", "Hungary", "Israel",
  "Latvia", "Poland", "Russia", "Slovenia"), ]

knitr::kable(data.merged.13[c(1:3,4930:4932, 4933:4935, 7045:7050), c(1:6,11:14,16)],
  digits = 3, padding = 1, align='c', caption = "A few rows & columns of
  the the merged dataset")

library(epiDisplay)

```

```

library(knitr)
library(broom)

model.1 <- glm(PolPref.Old.N ~ foreignpct +
               Sex + Age + AgeSq + Education + Employment +
               factor(Country) + factor(Year),
               family=binomial(link='logit'),
               data = data.merged.13); summary(model.1)

model.2 <- glm(PolPref.Unemployed.N ~ foreignpct +
               Sex + Age + AgeSq + Education + Employment +
               factor(Country) + factor(Year),
               family=binomial(link='logit'),
               data = data.merged.13) ; summary(model.2)

model.3 <- glm(PolPref.Income.N ~ foreignpct +
               Sex + Age + AgeSq + Education + Employment +
               factor(Country) + factor(Year),
               family=binomial(link='logit'),
               data = data.merged.13); summary(model.3)

model.4 <- glm(PolPref.Jobs.N ~ foreignpct +
               Sex + Age + AgeSq + Education + Employment +
               factor(Country) + factor(Year),
               family=binomial(link='logit'),
               data = data.merged.13); summary(model.4)

options(scipen=999)
logistic.display(model.1)
logistic.display(model.2)
logistic.display(model.3)
logistic.display(model.4)
options(scipen=0)

model.5 <- glm(PolPref.Old.N ~ foreignpct + socx +
               Sex + Age + AgeSq + Education + Employment +
               factor(Country) + factor(Year),
               family=binomial(link='logit'),
               data = data.merged.13); summary(model.5);

model.6 <- glm(PolPref.Unemployed.N ~ foreignpct + socx +
               Sex + Age + AgeSq + Education + Employment +
               factor(Country) + factor(Year),
               family=binomial(link='logit'),
               data = data.merged.13); summary(model.6)

model.7 <- glm(PolPref.Income.N ~ foreignpct + socx +
               Sex + Age + AgeSq + Education + Employment +
               factor(Country) + factor(Year),
               family=binomial(link='logit'),
               data = data.merged.13); summary(model.7)

model.8 <- glm(PolPref.Jobs.N ~ foreignpct + socx +
               Sex + Age + AgeSq + Education + Employment +
               factor(Country) + factor(Year),
               family=binomial(link='logit'),
               data = data.merged.13); summary(model.8)

options(scipen=999)
logistic.display(model.5)
logistic.display(model.6)
logistic.display(model.7)

```

```

logistic.display(model.8)
options(scipen=0)

model.9 <- glm(PolPref.Old.N ~ foreignpct + emprate +
               Sex + Age + AgeSq + Education + Employment +
               factor(Country) + factor(Year),
               family=binomial(link='logit'),
               data = data.merged.13); summary(model.9);

model.10 <- glm(PolPref.Unemployed.N ~ foreignpct + socx + emprate +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.10)
model.11 <- glm(PolPref.Income.N ~ foreignpct + socx + emprate +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.11)

model.12 <- glm(PolPref.Jobs.N ~ foreignpct + socx + emprate +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.12)

options(scipen=999)
logistic.display(model.9)
logistic.display(model.10)
logistic.display(model.11)
logistic.display(model.12)
options(scipen=0)

model.13 <- glm(PolPref.Old.N ~ netmigpct +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.13);

model.14 <- glm(PolPref.Unemployed.N ~ netmigpct +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.14)

model.15 <- glm(PolPref.Income.N ~ netmigpct +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.15)

model.16 <- glm(PolPref.Jobs.N ~ netmigpct +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.16)

options(scipen=999)
logistic.display(model.13)
logistic.display(model.14)
logistic.display(model.15)
logistic.display(model.16)

```

```

options(scipen=0)

model.17 <- glm(PolPref.Old.N ~ netmigpct + socx +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.17);

model.18 <- glm(PolPref.Unemployed.N ~ netmigpct + socx +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.18)

model.19 <- glm(PolPref.Income.N ~ netmigpct + socx +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.19)
model.20 <- glm(PolPref.Jobs.N ~ netmigpct + socx +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.20)

options(scipen=999)
logistic.display(model.17)
logistic.display(model.18)
logistic.display(model.19)
logistic.display(model.20)
options(scipen=0)

model.21 <- glm(PolPref.Old.N ~ netmigpct + emprate +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.21);

model.22 <- glm(PolPref.Unemployed.N ~ netmigpct + emprate +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.22)

model.23 <- glm(PolPref.Income.N ~ netmigpct + emprate +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.23)

model.24 <- glm(PolPref.Jobs.N ~ netmigpct + emprate +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.24)

model.24 <- glm(PolPref.Jobs.N ~ netmigpct + emprate +
                Sex + Age + AgeSq + Education + Employment +
                factor(Country) + factor(Year),
                family=binomial(link='logit'),
                data = data.merged.13); summary(model.24)

```

Team: 85
Software: R
Version: ORIGINAL

```
# install.packages(c("tidyverse", "plyr", "haven", "rms", "stringi", "stargazer"))
library(tidyverse)
library(plyr)
library(haven)
library(rms)
library(stargazer)

data96 <- read_dta("ZA2900.dta")
data06 <- read_dta("ZA4700.dta")
data12 <- read_dta("L2data.dta")

lab96 <- data96 %>%
  map_chr(~attributes(.)$label) %>%
  data.frame(variable = names(.), label = ., row.names = NULL)

lab06 <- data06 %>%
  map_chr(~attributes(.)$label) %>%
  data.frame(variable = names(.), label = ., row.names = NULL)

lab12 <- data12 %>%
  map_chr(~attributes(.)$label) %>%
  data.frame(variable = names(.), label = ., row.names = NULL)

data96 <- data96 %>%
  mutate(oldAge      = mapvalues(v39,
                                c(1,2,3,4),
                                c(1,1,0,0)),
         unemployed   = mapvalues(v41,
                                c(1,2,3,4),
                                c(1,1,0,0)),
         incomeDiff   = mapvalues(v42,
                                c(1,2,3,4),
                                c(1,1,0,0)),
         jobs          = mapvalues(v36,
                                c(1,2,3,4),
                                c(1,1,0,0)),
         female        = mapvalues(v200,
                                c(1,2),
                                c(0,1)),
         age           = v201,
         educ           = ifelse(v205 <= 3, "primary",
                                ifelse(v205 < 6 & v205 > 3, "secondary", "univ")),
         employ        = mapvalues(v206,
                                c(1,2,3,4,5,6,7,8,9,10),
                                c("fulltime", "parttime", "parttime", "unemplAct",
                                  "notAct", "unemplAct", "notAct", "unemplAct", "notAct", "unemplAct")),
         cntry         = mapvalues(v3,
                                c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15,
                                  16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30),
                                c(36, 276, 276, 826, 826, 840, NA, 348, NA, 372, 528,
                                  578, 752, 203, 705, 616, NA, 643, 554, 124, NA, 376, 376, 392, 724, 428, 250, NA,
                                  756))
         ) %>%
  select(oldAge, unemployed, incomeDiff, jobs, female, age, educ, employ, cntry)

data06 <- data06 %>%
  mutate(oldAge      = mapvalues(V28,
```

```

      c(1,2,3,4),
      c(1,1,0,0)),
  unemployed = mapvalues(V30,
      c(1,2,3,4),
      c(1,1,0,0)),
  incomeDiff = mapvalues(V31,
      c(1,2,3,4),
      c(1,1,0,0)),
  jobs       = mapvalues(V25,
      c(1,2,3,4),
      c(1,1,0,0)),
  female     = mapvalues(sex,
      c(1,2),
      c(0,1)),
  age        = age,
  educ       = ifelse(degree <= 1, "primary",
      ifelse(degree < 4 & degree > 1, "secondary", "univ")),
  employ     = mapvalues(wrkst,
      c(1,2,3,4,5,6,7,8,9,10),
      c("fulltime", "parttime", "parttime", "unemplAct",
"notAct", "unemplAct", "notAct", "unemplAct", "notAct", "unemplAct")),
  cntry      = V3a
) %>%
select(oldAge, unemployed, incomeDiff, jobs, female, age, educ, employ, cntry)

data12 <- data12 %>%
  mutate(cntry = cntry,
    immgrStock = foreignpct,
    immgrStockCh = netmigpct) %>%
  select(cntry, year, immgrStock, immgrStockCh, socx, emprate)

data96$cntry <- as.numeric(data96$cntry)
data06$cntry <- as.numeric(data06$cntry)
data12$cntry <- as.numeric(data12$cntry)

data9612 <- data12 %>%
  filter(year == 1996)
data9612 <- left_join(data96, data9612, by = "cntry")

data0612 <- data12 %>%
  filter(year == 2006)
data0612 <- left_join(data06, data0612, by = "cntry")

data_raw <- bind_rows(data9612, data0612)

cntrykeep <- data_raw %>%
  group_by(year, cntry) %>%
  dplyr::filter(!is.na(female) & !is.na(age) & !is.na(educ) & !is.na(employ) &
!is.na(immgrStock) & !is.na(immgrStockCh) & !is.na(socx) & !is.na(emprate) &
!is.na(oldAge) & !is.na(unemployed) & !is.na(incomeDiff) & !is.na(jobs)) %>%
  dplyr::summarize(cntrylist = unique(cntry)) %>%
  ungroup() %>%
  mutate(dupl = duplicated(cntrylist)) %>%
  dplyr::filter(dupl)

data <- data_raw %>%
  dplyr::filter(!is.na(year) & !is.na(cntry)) %>%
  dplyr::filter(cntry %in% cntrykeep$cntry)

```

```

data$female <- factor(data$female)
data$educ <- factor(data$educ,
                    levels = c("secondary", "primary", "univ"))
data$employ <- factor(data$employ,
                    levels = c("fulltime", "parttime", "notAct", "unemplAct"))
data$cntry <- factor(data$cntry)
data$year <- factor(data$year)

data$agesq <- data$age ^ 2

model1 <-
  lrm(
    oldAge ~ immgrStock + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model2 <-
  lrm(
    unemployed ~ immgrStock + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model3 <-
  lrm(
    incomeDiff ~ immgrStock + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model4 <-
  lrm(
    jobs ~ immgrStock + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

stargazer(model1, model2, model3, model4, type="text", report = "vctp*")

oddsR1_4 <-
  data.frame(model1 = exp(model1$coefficients),
            model2 = exp(model2$coefficients),
            model3 = exp(model3$coefficients),
            model4 = exp(model4$coefficients))

model5 <-
  lrm(
    oldAge ~ immgrStock + socx + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

```

```

)

model6 <-
  lrm(
    unemployed ~ immgrStock + socx + cntry + year + female + age + agesq + educ +
    employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model7 <-
  lrm(
    incomeDiff ~ immgrStock + socx + cntry + year + female + age + agesq + educ +
    employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model8 <-
  lrm(
    jobs ~ immgrStock + socx + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

stargazer(model5, model6, model7, model8, type="text", report = "vctp*")

oddsR5_8 <-
  data.frame(model5 = exp(model5$coefficients),
             model6 = exp(model6$coefficients),
             model7 = exp(model7$coefficients),
             model8 = exp(model8$coefficients))

model9 <-
  lrm(
    oldAge ~ immgrStock + emprate + cntry + year + female + age + agesq + educ +
    employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model10 <-
  lrm(
    unemployed ~ immgrStock + emprate + cntry + year + female + age + agesq + educ +
    employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model11 <-
  lrm(
    incomeDiff ~ immgrStock + emprate + cntry + year + female + age + agesq + educ +
    employ,
    x = T,

```



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    y = T,
    na.action = "na.delete",
    data = data
  )

model12 <-
  lrm(
    jobs ~ immgrStock + emprate + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

stargazer(model9, model10, model11, model12, type="text", report = "vctp*")

oddsR9_12 <-
  data.frame(model9 = exp(model9$coefficients),
             model10 = exp(model10$coefficients),
             model11 = exp(model11$coefficients),
             model12 = exp(model12$coefficients))

model13 <-
  lrm(
    oldAge ~ immgrStockCh + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model14 <-
  lrm(
    unemployed ~ immgrStockCh + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model15 <-
  lrm(
    incomeDiff ~ immgrStockCh + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model16 <-
  lrm(
    jobs ~ immgrStockCh + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

stargazer(model13, model14, model15, model16, type="text", report = "vctp*")

oddsR13_16 <-

```

```

      data.frame(model13 = exp(model13$coefficients),
                  model14 = exp(model14$coefficients),
                  model15 = exp(model15$coefficients),
                  model16 = exp(model16$coefficients))

model17 <-
  lrm(
    oldAge ~ immgrStockCh + socx + cntry + year + female + age + agesq + educ +
    employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model18 <-
  lrm(
    unemployed ~ immgrStockCh + socx + cntry + year + female + age + agesq + educ +
    employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model19 <-
  lrm(
    incomeDiff ~ immgrStockCh + socx + cntry + year + female + age + agesq + educ +
    employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model20 <-
  lrm(
    jobs ~ immgrStockCh + socx + cntry + year + female + age + agesq + educ + employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

stargazer(model17, model18, model19, model20, type="text", report = "vctp*")

oddsR17_20 <-
  data.frame(model17 = exp(model17$coefficients),
              model18 = exp(model18$coefficients),
              model19 = exp(model19$coefficients),
              model20 = exp(model20$coefficients))

model21 <-
  lrm(
    oldAge ~ immgrStockCh + emprate + cntry + year + female + age + agesq + educ +
    employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model22 <-

```

```

    lrm(
      unemployed ~ immgrStockCh + emprate + cntry + year + female + age + agesq + educ +
employ,
      x = T,
      y = T,
      na.action = "na.delete",
      data = data
    )

model23 <-
  lrm(
    incomeDiff ~ immgrStockCh + emprate + cntry + year + female + age + agesq + educ +
employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

model24 <-
  lrm(
    jobs ~ immgrStockCh + emprate + cntry + year + female + age + agesq + educ +
employ,
    x = T,
    y = T,
    na.action = "na.delete",
    data = data
  )

stargazer(model21, model22, model23, model24, type="text", report = "vctp*")

oddsR21_24 <-
  data.frame(model21 = exp(model21$coefficients),
             model22 = exp(model22$coefficients),
             model23 = exp(model23$coefficients),
             model24 = exp(model24$coefficients))

stargazer(model1, model2, model3, model4, model5, model6, model7, model8, model9,
model10, model11, model12, model13, model14, model15, model16, model17, model18,
model19, model20, model21, model22, model23, model24,
  type="html",
  report = "vctp*",
  star.cutoffs = c(.05, .01, .001),
  # apply.coef = exp,
  title = "regressions with estimate, z-values, non-adjusted p-values",
  out = "modell1-24.html"
)

oddsR1_4_out <- data.frame(variable = rownames(oddsR1_4), oddsR1_4)
oddsR5_8_out <- data.frame(variable = rownames(oddsR5_8), oddsR5_8)
oddsR9_12_out <- data.frame(variable = rownames(oddsR9_12), oddsR9_12)
oddsR13_16_out <- data.frame(variable = rownames(oddsR13_16), oddsR13_16)
oddsR17_20_out <- data.frame(variable = rownames(oddsR17_20), oddsR17_20)
oddsR21_24_out <- data.frame(variable = rownames(oddsR21_24), oddsR21_24)

write.table(full_join(oddsR1_4_out,
                      full_join(oddsR5_8_out,
                                full_join(oddsR9_12_out,
                                            full_join(oddsR13_16_out,
                                                        full_join(oddsR17_20_out,
                                                                    oddsR21_24_out, by = "variable"),
                                                                by = "variable"),
                                by = "variable"),
                      by = "variable"),
  by = "variable"),

```

```
                                by = "variable"),  
                                by = "variable")  
                                , by = "variable"),  
file = "oddsRatios.csv",  
dec = ",",  
sep = ";"  
)
```