agency wvs

Adam Okulicz-Kozaryn*
Rutgers - Camden

Saturday 21st February, 2026 16:09

Contents

1 feb21 [post-meet] some more results

1.0.1 erick michael: race by country paper idea

```
. *//see if any patterns by race, yes!
*//see if any patterns by race, yes!

.

. *//whites only like .2 more than blacks
*//whites only like .2 more than blacks

. tabstat free if cc=="USA",stat(mean n) by(ethGr)
tabstat free if cc=="USA",stat(mean n) by(ethGr)


Summary for variables: free
Group variable: ethGrp (Ethnic group)

          ethGrp |      Mean         N
-----------------+--------------------
US: White, non-H |  7.714432      7830
US: Black, Non-H |   7.52698      1427
US: Other, Non-H |  7.446215       251
    US: Hispanic |  7.621044      1264
US: Two plus, no |  7.440678       177
US: South Asian  |  7.583333        12
US: East Asian ( |     7.875        32
US: Arabic (Cent |  8.333333         3
-----------------+--------------------
           Total |  7.669334     10996
------------------------------------------

.
. *//asian lower by .5
```

*EMAIL: adam.okulicz.kozaryn@gmail.com

I thank XXX. All mistakes are mine.

```
*//asian lower by .5

. tabstat free if cc=="AUS",stat(mean n) by(ethGr)
tabstat free if cc=="AUS",stat(mean n) by(ethGr)

Summary for variables: free
Group variable: ethGrp (Ethnic group)

          ethGrp |      Mean         N
-----------------+--------------------
AU: Australian ( |  7.748462      5526
    AU: European |  7.499102       557
AU: South Asian  |  6.984615       130
AU: East Asian ( |     6.965       200
AU: Arabic, Cent |  7.134328        67
AU: Southeast As |  8.128205        39
AU: Aboriginal o |  7.741935        31
       AU: White |   7.13613      1168
       AU: Other |  7.142857        63
-----------------+--------------------
           Total |  7.597481      7781
-------------------------------------

.

. *//south eur lower by .4
*//south eur lower by .4

. tabstat free if cc=="DEU",stat(mean n) by(ethGr)
tabstat free if cc=="DEU",stat(mean n) by(ethGr)


Summary for variables: free
Group variable: ethGrp (Ethnic group)

          ethGrp |      Mean         N
-----------------+--------------------
      DE: German |  6.929933      1941
DE: Southern Eur |  7.666667         3
     DE: Turkish |  7.714286         7
 DE: Yugoslavian |       6.5         2
DE: Caucasian Wh |  7.073241      1734
     DE: African |      5.75         8
     DE: Asiatic |      5.95        20
       DE: Other |  6.809524        21
-----------------+--------------------
           Total |  6.989829      3736
-------------------------------------

.
. *//sou afr here big .9
*//sou afr here big .9

. tabstat  free if c==710,stat(mean n) by(ethGr)
tabstat  free if c==710,stat(mean n) by(ethGr)

Summary for variables: free
Group variable: ethGrp (Ethnic group)

          ethGrp |      Mean         N
-----------------+--------------------
       ZA: Black |  6.721295      9171
       ZA: White |   7.59911      4268
    ZA: Coloured |  7.385073      1514
      ZA: Indian |  7.338912       717
 ZA: South Asian |  7.446237       372
  ZA: East Asian |  6.986702       376
       ZA: Other |          9         1
-----------------+--------------------
           Total |  7.060296     16419
-------------------------------------
```

2 feb19 [meet] playing with wvs

2.1 vars

first looking at what we have here that can use

obviously we use

A173 How much freedom of choice and control

Some people feel they have completely free choice and control over their lives, while other people feel that what they do has no real

effect on what happens to them. Please use this scale where 1 means "none at all" and 10 means "a great deal" to indicate how much freedom of choice and control you feel you have over the way your life turns out.

```
Tabulation: Freq.   Numeric  Label
            15,177         1  None at all
             9,141         2
            16,011         3
            20,756         4
            56,829         5
            48,677         6
            64,361         7
            77,430         8
            44,136         9
            77,016        10  A great deal
            21,335         .
```

But maybe also?: **leonie: no**

Autonomy-4 item Index=(a029 +A039)-(a040 + a042) Only questions with answers to the 4 items are considered. -2 Obedience/Religious Faith to 2 Determination, perseverance/Independence

Important child qualities: [0 Not mentioned; 1 Important]

A029 independence

A039 determination, perseverance

A040 religious faith

A042 obedience

```
           131,200         0
           115,286         1
            49,393         2  Determination,
                               perseverance/Independence
```

vars from leonie's slide: DONE add others from there `https://docs.google.com/presentation/d/1YpGP1VmirIAtTRtKqrpcI0ef7xSu`
`edit?slide=id.p6#slide=id.p6`

```
{\scriptsize\spacing{.9}}
gov_res                                                 government more responsibility
            42,106         1  1.people
            20,335         2
            33,474         3
            32,308         4
            34,692         5
            58,427         6
            33,254         7
```

```
                    38,927         8
                    33,937         9
                    91,298        10  10.government
                    32,111         .
comBad                                                  Competition good or harmful
                   110,388         1  Competition is good
                    44,382         2
                    51,413         3
                    41,108         4
                    57,666         5
                    23,598         6
                    17,349         7
                    15,122         8
                     8,568         9
                    18,572        10  Competition is harmful
```

and for preferences for redistribution maybe

C038 People who don't work turn lazy [1 disagree - 5 agree]

```
    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
     poo_laz |     62,905      .298768    .4577215          0          1
     esc_pov |     65,755    .3996198    .4898239          0          1
     sub_poo |    249,129    6.423403    2.988314          0         10
```

2.2 first results yay

	a1	a1cc	a1satFin	a2	a3
freedom	-0.13***	-0.11***	-0.07***	-0.10***	-0.10***
financial satisfaction			-0.16***		-0.17***
age				0.00	-0.00
age2				-0.00	0.00
male				-0.12***	-0.12***
class				-0.10***	-0.07***
married or living together as married				-0.05*	-0.01
freedom × financial satisfaction					0.01**
constant	6.90***	7.33***	7.47***	7.63***	8.20***
N	92557	92557	92244	85727	85517
+ 0.10 * 0.05 ** 0.01 *** 0.001; robust std err					

Table 1: OLS regressions of gov more responsibility (v ppl take care of themselves).

a1: ok more autonomy by 1 on 1-10, want less redistr by .13 on 1-10 scale

a1cc: adding country dummies doesnt change anything

a1satFin: reduced by almost half!, note satFin correlates with agency at .33

a2: basic sociodemographics, and effect size still large at .1

then interactions: [**TODO** marginsplot whats net, non-interacted terms large coeffs]

a3: freedom $*$ financial satisfaction–interesting while satFin alone less redistribution; interacted with autonomy, the more preRed

a4: with income also positive [rich assholes more for redistribution?]

a5: nothing with male [aggresive males more for redistribution?]

	b1	b2	b3
None at all	0.00	0.00	0.00
2	-0.04	0.00	-0.04
3	-0.17+	-0.10	-0.11
4	-0.55***	-0.43***	-0.41***
5	-0.76***	-0.60***	-0.53***
6	-1.00***	-0.81***	-0.69***
7	-1.12***	-0.89***	-0.73***
8	-1.24***	-0.98***	-0.76***
9	-1.37***	-1.08***	-0.83***
A great deal	-1.17***	-0.96***	-0.70***
age		0.00	-0.00
age2		-0.00	0.00
male		-0.12***	-0.12***
class		-0.09***	-0.06***
married or living together as married		-0.05*	-0.01
financial satisfaction			-0.12***
constant	7.02***	7.67***	8.10***
N	92557	85727	85517

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust std err

Table 2: OLS regressions of gov more responsibility (v ppl take care of themselves).

one contribution to dummy out like in my papers :)

easy to see big effects by 1 on over 5 or 6 on free–over 5 smaller changes, also first three almost no change, and then jump at 4 and then some on 5 snd 6–shows nonlinearity; and i guess also confirms leonie's point of "double barreled" ie can split in half autonomy var, and here this shows that it splits about in half at 5 or 6

b2: still around 1

b3: lower, but .7 is sizeable

2.2.1 by country

i'm a geographer so lets do by country

interesting thing i found in my freedom from and freedom to paper 10 years ago is that more freedom/autonmy in MEX than USA, but can also do effects by countries

another contribution by c, like my cities paper: `https://www.sciencedirect.com/science/article/pii/S0264275121002687?via%3Dihub`

here a quick exercise, just separately by capitalistic/alienated/western c about .15-3 v humanistic/social/latin c about 0-.1–clear differences 4 fold! say .5 v 2; and they hold controlling for basic sociodemographics

some surprises: in BRA positive!; DEU close to 0, but not in AUS; european ARG close to capitalistic/west; and LBN and CZE big for some reason like .3

```
.

. *//capitalistic
*//capitalistic

. reg govRes free if cc=="USA", robust
reg govRes free if cc=="USA", robust

Linear regression                               Number of obs     =      2,566
                                                F(1, 2564)        =      68.13
```

```
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0283
                                                Root MSE          =     2.9294

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.2542726   .0308052    -8.25   0.000    -.3146783    -.193867
       _cons |     7.3911   .2417892    30.57   0.000     6.916978    7.865222
------------------------------------------------------------------------------

. reg govRes free if cc=="SGP", robust
reg govRes free if cc=="SGP", robust

Linear regression                               Number of obs     =      1,998
                                                F(1, 1996)        =      56.22
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0341
                                                Root MSE          =     2.3275

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.2268925   .0302607    -7.50   0.000    -.2862384   -.1675467
       _cons |   7.560577   .2101485    35.98   0.000     7.148444     7.97271
------------------------------------------------------------------------------

. reg govRes free if cc=="HKG", robust
reg govRes free if cc=="HKG", robust

Linear regression                               Number of obs     =      2,063
                                                F(1, 2061)        =      58.47
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0366
                                                Root MSE          =     2.2518

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.2343101   .0306435    -7.65   0.000    -.2944057   -.1742146
       _cons |   6.938992   .2065198    33.60   0.000     6.533983    7.344001
------------------------------------------------------------------------------

. reg govRes free if cc=="NLD", robust
reg govRes free if cc=="NLD", robust

Linear regression                               Number of obs     =      1,908
                                                F(1, 1906)        =      16.31
                                                Prob > F          =     0.0001
                                                R-squared         =     0.0109
                                                Root MSE          =      2.248

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |   -.154012   .0381368    -4.04   0.000    -.2288064   -.0792177
       _cons |    7.13256   .2745572    25.98   0.000     6.594096    7.671024
------------------------------------------------------------------------------

. reg govRes free if cc=="DEU", robust
reg govRes free if cc=="DEU", robust

Linear regression                               Number of obs     =      1,500
                                                F(1, 1498)        =       4.99
                                                Prob > F          =     0.0257
                                                R-squared         =     0.0038
                                                Root MSE          =     2.5071

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.0853276   .0382106    -2.23   0.026    -.1602795   -.0103757
       _cons |   6.721337   .2770844    24.26   0.000     6.177822    7.264852
------------------------------------------------------------------------------

. reg govRes free if cc=="AUS", robust
reg govRes free if cc=="AUS", robust

Linear regression                               Number of obs     =      1,778
                                                F(1, 1776)        =      68.43
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0425
                                                Root MSE          =     2.7136

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.2956679   .0357426    -8.27   0.000    -.3657699   -.2255659
       _cons |   7.931705   .2795501    28.37   0.000     7.383423    8.479987
------------------------------------------------------------------------------
```

```
. reg govRes free if cc=="GBR", robust
reg govRes free if cc=="GBR", robust

Linear regression                               Number of obs     =      2,543
                                                F(1, 2541)        =      47.01
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0212
                                                Root MSE          =     2.5852

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.1956866    .028541    -6.86   0.000    -.2516525   -.1397206
       _cons |    7.58248   .2130995    35.58   0.000     7.164613    8.000346
------------------------------------------------------------------------------

. reg govRes free if cc=="CAN", robust
reg govRes free if cc=="CAN", robust

Linear regression                               Number of obs     =      4,018
                                                F(1, 4016)        =      62.71
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0181
                                                Root MSE          =     2.4983

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.1967397   .0248435    -7.92   0.000    -.2454468   -.1480327
       _cons |   6.933817   .1873025    37.02   0.000       6.5666    7.301033
------------------------------------------------------------------------------

.

. *//humanistic
*//humanistic

. reg govRes free if cc=="BRA", robust
reg govRes free if cc=="BRA", robust

Linear regression                               Number of obs     =      1,685
                                                F(1, 1683)        =       3.94
                                                Prob > F          =     0.0474
                                                R-squared         =     0.0026
                                                Root MSE          =     3.1254

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |   .0627981   .0316557     1.98   0.047     .0007093    .1248868
       _cons |   6.970929   .2478231    28.13   0.000     6.484855    7.457003
------------------------------------------------------------------------------

. reg govRes free if cc=="MEX", robust
reg govRes free if cc=="MEX", robust

Linear regression                               Number of obs     =      1,728
                                                F(1, 1726)        =       0.00
                                                Prob > F          =     0.9867
                                                R-squared         =     0.0000
                                                Root MSE          =     3.1252

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.0006039   .0362803    -0.02   0.987    -.0717619     .070554
       _cons |   5.903084   .2954843    19.98   0.000     5.323539    6.482629
------------------------------------------------------------------------------

. reg govRes free if cc=="ECU", robust
reg govRes free if cc=="ECU", robust

Linear regression                               Number of obs     =      1,185
                                                F(1, 1183)        =       1.90
                                                Prob > F          =     0.1687
                                                R-squared         =     0.0017
                                                Root MSE          =     3.3441

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |   -.058957   .0428068    -1.38   0.169    -.1429427    .0250287
       _cons |   6.450054   .3298834    19.55   0.000     5.802832    7.097276
------------------------------------------------------------------------------

. reg govRes free if cc=="COL", robust
reg govRes free if cc=="COL", robust

Linear regression                               Number of obs     =      1,520
                                                F(1, 1518)        =       6.13
```

```
                                        Prob > F          =     0.0134
                                        R-squared         =     0.0042
                                        Root MSE          =     3.2466

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.0908585   .0366901    -2.48   0.013    -.1628272   -.0188898
       _cons |   6.162867   .3036165    20.30   0.000     5.567315    6.758419
------------------------------------------------------------------------------

. reg govRes free if cc=="BOL", robust
reg govRes free if cc=="BOL", robust

Linear regression                               Number of obs     =      1,997
                                                F(1, 1995)        =       7.15
                                                Prob > F          =     0.0076
                                                R-squared         =     0.0041
                                                Root MSE          =     3.0403

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.0963881   .0360458    -2.67   0.008    -.1670795   -.0256967
       _cons |   5.969534    .274093    21.78   0.000     5.431995    6.507072
------------------------------------------------------------------------------

. reg govRes free if cc=="ARG", robust
reg govRes free if cc=="ARG", robust

Linear regression                               Number of obs     =        959
                                                F(1, 957)         =       9.54
                                                Prob > F          =     0.0021
                                                R-squared         =     0.0106
                                                Root MSE          =     2.6797

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.1456756    .047152    -3.09   0.002    -.2382089   -.0531423
       _cons |   7.104633   .3697035    19.22   0.000     6.379109    7.830156
------------------------------------------------------------------------------

.

. *//extremes for some reason
*//extremes for some reason

. reg govRes free if cc=="LBN", robust
reg govRes free if cc=="LBN", robust

Linear regression                               Number of obs     =      1,200
                                                F(1, 1198)        =     150.84
                                                Prob > F          =     0.0000
                                                R-squared         =     0.1192
                                                Root MSE          =     2.0301

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.3216726   .0261909   -12.28   0.000    -.3730577   -.2702874
       _cons |   8.120036   .1539519    52.74   0.000     7.817991    8.422081
------------------------------------------------------------------------------

. reg govRes free if cc=="CZE", robust
reg govRes free if cc=="CZE", robust

Linear regression                               Number of obs     =      1,190
                                                F(1, 1188)        =      63.40
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0630
                                                Root MSE          =     2.3647

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.3089838   .0388068    -7.96   0.000    -.3851213   -.2328464
       _cons |   7.842652    .278088    28.20   0.000     7.297054    8.388251
------------------------------------------------------------------------------

.

.

.

. *//capitalistic
*//capitalistic

. reg govRes free inc age age2 male class mar if cc=="USA", robust
reg govRes free inc age age2 male class mar if cc=="USA", robust
```

```
Linear regression                               Number of obs     =      2,516
                                                F(7, 2508)        =      27.10
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0676
                                                Root MSE          =     2.8688

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.2040373   .0313163    -6.52   0.000    -.2654457   -.1426288
         inc |  -.1741054    .041782    -4.17   0.000    -.2560363   -.0921746
         age |   -.051321   .0217413    -2.36   0.018    -.0939538   -.0086883
        age2 |   .0002959   .0002293     1.29   0.197    -.0001537    .0007455
        male |  -.3424398   .1195737    -2.86   0.004    -.5769132   -.1079664
       class |   .0584266   .0808556     0.72   0.470    -.1001241    .2169772
         mar |  -.1880669   .1223548    -1.54   0.124    -.4279937    .0518598
       _cons |   9.604566   .5279627    18.19   0.000     8.569279    10.63985
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar if cc=="SGP", robust
reg govRes free inc age age2 male class mar if cc=="SGP", robust

Linear regression                               Number of obs     =      1,920
                                                F(7, 1912)        =      13.16
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0500
                                                Root MSE          =     2.3068

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.1903173   .0321719    -5.92   0.000    -.2534131   -.1272216
         inc |  -.1224083   .0415441    -2.95   0.003    -.2038848   -.0409318
         age |  -.0206194   .0217417    -0.95   0.343    -.0632594    .0220205
        age2 |   .0001902    .000219     0.87   0.385    -.0002394    .0006198
        male |  -.1395418   .1059256    -1.32   0.188    -.3472837       .0682
       class |  -.1500439   .0711905    -2.11   0.035    -.2896631   -.0104247
         mar |   -.019552    .124723    -0.16   0.875    -.2641593    .2250554
       _cons |   8.901766   .5376045    16.56   0.000     7.847413    9.956119
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar if cc=="HKG", robust
reg govRes free inc age age2 male class mar if cc=="HKG", robust

Linear regression                               Number of obs     =      2,034
                                                F(7, 2026)        =      13.07
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0508
                                                Root MSE          =     2.2403

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.1856798   .0326383    -5.69   0.000     -.249688   -.1216716
         inc |  -.1372768   .0388718    -3.53   0.000    -.2135097   -.0610438
         age |   .0103655   .0188904     0.55   0.583     -.026681    .0474121
        age2 |  -.0002221   .0001954    -1.14   0.256    -.0006053    .0001611
        male |   .0284369   .1005907     0.28   0.777    -.1688351    .2257088
       class |  -.0429861   .0728582    -0.59   0.555    -.1858708    .0998987
         mar |  -.0432499   .1126384    -0.38   0.701    -.2641491    .1776492
       _cons |   7.484184   .4520134    16.56   0.000     6.597724    8.370643
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar if cc=="NLD", robust
reg govRes free inc age age2 male class mar if cc=="NLD", robust

Linear regression                               Number of obs     =      1,401
                                                F(7, 1393)        =       3.15
                                                Prob > F          =     0.0027
                                                R-squared         =     0.0186
                                                Root MSE          =     2.2211

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.1380025   .0467043    -2.95   0.003    -.2296208   -.0463841
         inc |  -.0664881   .0312308    -2.13   0.033    -.1277527   -.0052236
         age |  -.0026583   .0249966    -0.11   0.915    -.0516933    .0463767
        age2 |  -9.21e-06    .000237    -0.04   0.969    -.0004742    .0004558
        male |  -.0181638   .1200332    -0.15   0.880    -.2536291    .2173015
       class |   .0266107   .0757037     0.35   0.725    -.1218949    .1751164
         mar |  -.0848189   .1556009    -0.55   0.586    -.3900562    .2204184
       _cons |   7.572087   .7358962    10.29   0.000     6.128502    9.015671
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar if cc=="DEU", robust
reg govRes free inc age age2 male class mar if cc=="DEU", robust

Linear regression                               Number of obs     =      1,421
                                                F(7, 1413)        =       5.14
                                                Prob > F          =     0.0000
```

```
                                        R-squared         =     0.0249
                                        Root MSE          =     2.4928

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.0755424   .0405664    -1.86   0.063    -.1551192    .0040345
         inc |  -.0836573   .0536782    -1.56   0.119    -.1889549    .0216402
         age |  -.0143901    .021511    -0.67   0.504    -.0565871    .0278068
        age2 |  -8.71e-06   .0002061    -0.04   0.966    -.0004131    .0003957
        male |  -.2043677     .13303    -1.54   0.125    -.4653253    .0565898
       class |  -.1259828   .1115024    -1.13   0.259    -.3447108    .0927452
         mar |   .0648739   .1514448     0.43   0.668     -.232207    .3619547
       _cons |   8.305444   .6356033    13.07   0.000     7.058616    9.552272
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar if cc=="AUS", robust
reg govRes free inc age age2 male class mar if cc=="AUS", robust

Linear regression                               Number of obs     =      1,689
                                                F(7, 1681)        =      16.50
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0698
                                                Root MSE          =      2.668

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.2590754    .038191    -6.78   0.000    -.3339824   -.1841685
         inc |  -.1576128   .0422039    -3.73   0.000    -.2403905   -.0748352
         age |   .0161635   .0231419     0.70   0.485    -.0292264    .0615534
        age2 |  -.0003619     .00022    -1.64   0.100    -.0007934    .0000696
        male |  -.1109485   .1381286    -0.80   0.422    -.3818706    .1599736
       class |   .1252026   .0921365     1.36   0.174    -.0555117    .3059169
         mar |  -.1825971   .1417591    -1.29   0.198      -.46064    .0954458
       _cons |   8.533525   .6526546    13.08   0.000     7.253424    9.813626
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar if cc=="GBR", robust
reg govRes free inc age age2 male class mar if cc=="GBR", robust
no observations
r(2000);

. reg govRes free inc age age2 male class mar if cc=="CAN", robust
reg govRes free inc age age2 male class mar if cc=="CAN", robust

Linear regression                               Number of obs     =      4,018
                                                F(7, 4010)        =      51.28
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0838
                                                Root MSE          =     2.4151

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.0762366   .0259031    -2.94   0.003    -.1270211   -.0254521
         inc |  -.2648365   .0308069    -8.60   0.000    -.3252352   -.2044379
         age |  -.0568324   .0134606    -4.22   0.000    -.0832226   -.0304422
        age2 |    .000479   .0001391     3.44   0.001     .0002063    .0007518
        male |  -.3132311   .0786923    -3.98   0.000    -.4675117   -.1589504
       class |  -.0434554   .0579515    -0.75   0.453    -.1570724    .0701617
         mar |  -.2696483   .0849612    -3.17   0.002    -.4362195   -.1030771
       _cons |   9.446925   .3493148    27.04   0.000     8.762074    10.13178
------------------------------------------------------------------------------

.

. *//humanistic
*//humanistic

. reg govRes free inc age age2 male class mar  if cc=="BRA", robust
reg govRes free inc age age2 male class mar  if cc=="BRA", robust

Linear regression                               Number of obs     =      1,552
                                                F(7, 1544)        =       3.01
                                                Prob > F          =     0.0038
                                                R-squared         =     0.0132
                                                Root MSE          =      3.099

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |   .0674188   .0327685     2.06   0.040     .0031433    .1316942
         inc |  -.0689309    .041833    -1.65   0.100    -.1509865    .0131246
         age |  -.0111129    .024114    -0.46   0.645    -.0584126    .0361867
        age2 |   .0002314    .000253     0.91   0.361    -.0002649    .0007276
        male |  -.1160045   .1586392    -0.73   0.465    -.4271755    .1951665
       class |   .0219324   .0992231     0.22   0.825    -.1726939    .2165587
         mar |  -.3502355   .1637882    -2.14   0.033    -.6715064   -.0289646
       _cons |   7.421544   .6029358    12.31   0.000     6.238884    8.604203
------------------------------------------------------------------------------
```

```
. reg govRes free inc age age2 male class mar  if cc=="MEX", robust
reg govRes free inc age age2 male class mar  if cc=="MEX", robust

Linear regression                               Number of obs     =      1,693
                                                F(7, 1685)        =       5.09
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0205
                                                Root MSE          =     3.0939

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |   .0047016   .0365058     0.13   0.898    -.0668999     .076303
         inc |  -.1866501   .0336703    -5.54   0.000    -.2526901     -.12061
         age |   .0006228   .0255937     0.02   0.981     -.049576    .0508215
        age2 |  -.0000299   .0002691    -0.11   0.912    -.0005576    .0004979
        male |  -.0882046   .1517731    -0.58   0.561    -.3858883     .209479
       class |   .0087923   .0822139     0.11   0.915    -.1524597    .1700444
         mar |   .0190545   .1703464     0.11   0.911    -.3150583    .3531673
       _cons |   6.696883   .6374379    10.51   0.000     5.44663    7.947137
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar  if cc=="ECU", robust
reg govRes free inc age age2 male class mar  if cc=="ECU", robust

Linear regression                               Number of obs     =      1,155
                                                F(7, 1147)        =       5.33
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0307
                                                Root MSE          =      3.305

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.0396644   .0435486    -0.91   0.363    -.1251082    .0457794
         inc |  -.1157002     .05269    -2.20   0.028    -.2190799   -.0123206
         age |  -.0446462   .0354521    -1.26   0.208    -.1142045    .0249121
        age2 |   .0005151   .0003987     1.29   0.197    -.0002671    .0012974
        male |  -.6681056    .195656    -3.41   0.001    -1.051989   -.2842219
       class |  -.2425253   .1084289    -2.24   0.025    -.4552666    -.029784
         mar |   .3689208   .2075247     1.78   0.076    -.0382498    .7760914
       _cons |   8.462608   .8551411     9.90   0.000     6.784792    10.14042
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar  if cc=="COL", robust
reg govRes free inc age age2 male class mar  if cc=="COL", robust

Linear regression                               Number of obs     =      1,520
                                                F(7, 1512)        =       1.96
                                                Prob > F          =     0.0567
                                                R-squared         =     0.0096
                                                Root MSE          =     3.2442

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.0828422   .0368886    -2.25   0.025    -.1552003    -.010484
         inc |  -.0664997    .038706    -1.72   0.086    -.1424229    .0094235
         age |   .0131748   .0309386     0.43   0.670    -.0475124     .073862
        age2 |  -.0001636   .0003503    -0.47   0.641    -.0008508    .0005236
        male |    .250691   .1669152     1.50   0.133    -.0767188    .5781008
       class |  -.0463064   .0957703    -0.48   0.629    -.2341631    .1415503
         mar |   .0589986   .1769845     0.33   0.739    -.2881626    .4061597
       _cons |   6.125779   .7033928     8.71   0.000     4.746049    7.505508
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar  if cc=="BOL", robust
reg govRes free inc age age2 male class mar  if cc=="BOL", robust

Linear regression                               Number of obs     =      1,890
                                                F(7, 1882)        =       3.65
                                                Prob > F          =     0.0006
                                                R-squared         =     0.0138
                                                Root MSE          =     3.0156

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.0631073   .0379002    -1.67   0.096    -.1374382    .0112236
         inc |  -.0728608   .0404831    -1.80   0.072    -.1522574    .0065357
         age |  -.0307038   .0254147    -1.21   0.227    -.0805477    .0191401
        age2 |   .0004764   .0002821     1.69   0.091    -.0000769    .0010297
        male |   .0759832   .1392963     0.55   0.585    -.1972082    .3491746
       class |  -.0148627   .0835996    -0.18   0.859    -.1788203    .1490948
         mar |   .3088924   .1535647     2.01   0.044     .0077173    .6100674
       _cons |    6.30482   .6223843    10.13   0.000     5.084184    7.525455
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar  if cc=="ARG", robust
reg govRes free inc age age2 male class mar  if cc=="ARG", robust

Linear regression                               Number of obs     =        912
```

```
                                                F(7, 904)         =       5.29
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0368
                                                Root MSE          =     2.6725

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.1345745   .0479269    -2.81   0.005    -.2286354   -.0405135
         inc |  -.1593301   .0712262    -2.24   0.026    -.2991179   -.0195422
         age |    .009412   .0298721     0.32   0.753    -.0492148    .0680388
        age2 |  -.0001387   .0003168    -0.44   0.662    -.0007605    .0004831
        male |   -.072956   .1771406    -0.41   0.681    -.4206106    .2746986
       class |  -.2206999   .1336407    -1.65   0.099    -.4829819    .0415822
         mar |   .3016437   .1913202     1.58   0.115    -.0738398    .6771271
       _cons |   8.216967    .751552    10.93   0.000     6.741977    9.691956
------------------------------------------------------------------------------

. *//extremes for some reason
*//extremes for some reason

. reg govRes free inc age age2 male class mar  if cc=="LBN", robust
reg govRes free inc age age2 male class mar  if cc=="LBN", robust

Linear regression                               Number of obs     =      1,200
                                                F(7, 1192)        =      23.67
                                                Prob > F          =     0.0000
                                                R-squared         =     0.1262
                                                Root MSE          =     2.0271

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.3484447   .0324959   -10.72   0.000    -.4122003   -.2846891
         inc |   .0407626    .048725     0.84   0.403    -.0548337    .1363589
         age |   .0113366   .0227777     0.50   0.619    -.0333522    .0560254
        age2 |  -.0001665   .0002332    -0.71   0.475     -.000624    .0002909
        male |   .1368608   .1177406     1.16   0.245    -.0941411    .3678628
       class |   .1259293   .0769062     1.64   0.102    -.0249574    .2768159
         mar |   .1179892   .1350856     0.87   0.383    -.1470428    .3830213
       _cons |    7.38884   .5682105    13.00   0.000     6.274036    8.503644
------------------------------------------------------------------------------

. reg govRes free inc age age2 male class mar  if cc=="CZE", robust
reg govRes free inc age age2 male class mar  if cc=="CZE", robust

Linear regression                               Number of obs     =      1,172
                                                F(7, 1164)        =      25.20
                                                Prob > F          =     0.0000
                                                R-squared         =     0.1409
                                                Root MSE          =     2.2636

------------------------------------------------------------------------------
             |               Robust
      govRes | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
        free |  -.1686818   .0406432    -4.15   0.000    -.2484239   -.0889397
         inc |  -.2872188   .0608255    -4.72   0.000    -.4065586   -.1678789
         age |  -.0035356   .0243019    -0.15   0.884     -.051216    .0441449
        age2 |   .0000466   .0002442     0.19   0.849    -.0004326    .0005257
        male |  -.1071923   .1328598    -0.81   0.420    -.3678638    .1534791
       class |  -.3542257   .1120923    -3.16   0.002    -.5741512   -.1343001
         mar |  -.1164154   .1448518    -0.80   0.422    -.4006152    .1677843
       _cons |   9.545361   .6307996    15.13   0.000      8.30773    10.78299
------------------------------------------------------------------------------

.

.
```

.9