# agency wvs

Adam Okulicz-Kozaryn*

Rutgers - Camden

Saturday 21ˢᵗ February, 2026    19:53

## Contents

# 1   feb21 [post-meet] some more results

### 1.0.1   bunch of des sta in python

https://colab.research.google.com/github/theaok/leonieAgency/blob/main/leonieAgency.ipynb

### 1.0.2   erick michael: race by country paper idea

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

*//whites only like .2 more than blacks (would expect bigger diff in the us)

. 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
```

---

*EMAIL: adam.okulicz.kozaryn@gmail.com
I thank XXX. All mistakes are mine.

```
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

. 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

. 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 diff! .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] revisit: more useful vars; initial results

## 2.1   vars

freedom/autnomy:

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.

## maybe these ones in the future [all waves]? not for now missing (or very few maybe) in wave7

```
"People have different views about themselves and how they relate to the
world. Using this card, would you tell me how strongly you agree or disagree
with each of the following statements about how you see yourself?  I see myself as an autonomous individual; 1 Strongly disagree; 4 Strongly agree"
-------------------------------------------------------------------------------------
aut                                                             autonomous individual
-------------------------------------------------------------------------------------

                  Type: Numeric (byte)
                 Label: revG023

                 Range: [1,4]                      Units: 1
         Unique values: 4                        Missing .: 301,684/450,869

             Tabulation: Freq.   Numeric  Label
                         14,338        1  Strongly disagree
                         26,647        2  Disagree
                         59,600        3  Agree
                         48,600        4  Strongly agree
                        301,684        .

. note myself: "People pursue different goals in life. For each of the following
goals,
can you tell me if you strongly agree, agree, disagree or strongly disagree with
it?
I seek to be myself rather than to follow others; 1 Strongly disagree to 4 Strongly agree"
note myself: "People pursue different goals in life. For each of the following goals, ca
> n you tell me if you strongly agree, agree, disagree or strongly disagree with it?  I se
> ek to be myself rather than to follow others; 1 Strongly disagree to 4 Strongly agree"
-------------------------------------------------------------------------------------
myself                                                     be myself rather than follow
-------------------------------------------------------------------------------------

                  Type: Numeric (byte)
                 Label: revD079

                 Range: [1,4]                      Units: 1
         Unique values: 4                        Missing .: 380,319/450,869

             Tabulation: Freq.   Numeric  Label
                            620        1  Strongly disagree
                          4,068        2  Disagree
                         34,796        3  Agree
                         31,066        4  Agree strongly
                        380,319        .

. note decMys: "People pursue different goals in life. For each of the following
goals,
can you tell me if you strongly agree, agree, disagree or strongly disagree with
it?
I decide my goals in life by myself; 1 Strongly disagree to 4 Strongly agree"
note decMys: "People pursue different goals in life. For each of the following goals, ca
> n you tell me if you strongly agree, agree, disagree or strongly disagree with it?   I d
> ecide my goals in life by myself; 1 Strongly disagree to 4 Strongly agree"
-------------------------------------------------------------------------------------
D080                                               I decide my goals in life by myself
-------------------------------------------------------------------------------------

                  Type: Numeric (byte)
                 Label: D080

                 Range: [-5,4]                     Units: 1
         Unique values: 8                        Missing .: 0/450,869

             Tabulation: Freq.   Numeric  Label
                             83       -5  Missing; Unknown
                        378,493       -4  Not asked
                            587       -2  No answer
                          1,149       -1  Don't know
                         30,261        1  Agree strongly
                         33,731        2  Agree
                          5,638        3  Disagree
                            927        4  Strongly disagree

. note freOrd: "If you had to choose, which would you say is the most important
responsibility of government?
  Government order vs. freedom; 1 To maintain order in society; 0 To respect freedom of the individual"
note freOrd: "If you had to choose, which would you say is the most important responsibi
> lity of government?  Government order vs. freedom; 1 To maintain order in society; 0 To
> respect freedom of the individual"

-------------------------------------------------------------------------------------
E119                                                     Government order vs. freedom
-------------------------------------------------------------------------------------
```

```
                 Type: Numeric (byte)
                Label: E119

                Range: [-4,2]                         Units: 1
        Unique values: 5                          Missing .: 0/450,869

          Tabulation: Freq.    Numeric  Label
ren E119 freOrd
                     381,909       -4  Not asked
                         178       -2  No answer
                       3,554       -1  Don't know
                      38,222        1  To maintain order in society
                      27,006        2  To respect freedom of the
                                        individual
```

. note freEqu: "Which of these two statements comes closest to your own opinion?
A. I find that both freedom and equality are important. But if I were to choose
one or the other,  I would consider personal freedom more important, that is,
everyone can live in freedom and develop without hinderance B. Certainly both
freedom and equality are important. But if I were to choose one or the other,
I would consider equality more important, that is, that nobody is
underprivileged and that social class differences are not so strong. 1  equality above freedom; 2  neither; 3  freedom above equality"
note freEqu: "Which of these two statements comes closest to your own opinion? A. I find
> that both freedom and equality are important. But if I were to choose one or the other,
> I would consider personal freedom more important, that is, everyone can live in freedom
> and develop without hinderance B. Certainly both freedom and equality are important. Bu
> t if I were to choose one or the other, I would consider equality more important, that i
> s, that nobody is underprivileged and that social class differences are not so strong. 1
>  equality above freedom; 2  neither; 3  freedom above equality"

. codebook E032, ta(100)
codebook E032, ta(100)

--------------------------------------------------------------------------------
E032                                                          Freedom or equality
--------------------------------------------------------------------------------

                 Type: Numeric (byte)
                Label: E032

                Range: [1,3]                          Units: 1
        Unique values: 3                          Missing .: 424,218/450,869

          Tabulation: Freq.    Numeric  Label
                      13,960        1  Freedom above equality
                       9,418        2  Equality above freedom
                       3,273        3  Neither
                     424,218        .

.
```

maybe also?: **leonie: no; its about valuing autonomy, not autonomy itself [agreed]**

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
```

**these are redistribution/welfare vars that can use in the future, many are not in wave 7 analyzed here [these are now just wave7 as opposed to freedom/autonomy earlier for all waves]**

```
    wrkLaz |    93,362    2.214188    1.123027         1          5
    pooLaz |         0
    subPoo |    91,076    6.351739    3.026114         0         10
    escPov |         0
    priPub |    90,940    5.641071    2.817971         1         10
     trust |    93,005    .2424816    .4285863         0          1
      fair |         0

--------------------------------------------------------------------------------
wrkLaz                                      disagree: people who don't work turn lazy
```

4

```
--------------------------------------------------------------------------------------------
              Type: Numeric (byte)
             Label: C038

             Range: [1,5]                        Units: 1
     Unique values: 5                        Missing .: 252,738/450,869

        Tabulation: Freq.   Numeric  Label
                    62,663        1  Strongly agree
                    77,893        2  Agree
                    25,441        3  Neither agree or disagree
                    25,357        4  Disagree
                     6,777        5  Strongly disagree
                   252,738        .
--------------------------------------------------------------------------------------------
pooLaz                                                                              poor lazy
--------------------------------------------------------------------------------------------

              Type: Numeric (byte)
             Label: yn2

             Range: [.,.]                        Units: .
     Unique values: 0                        Missing .: 94,278/94,278

        Tabulation: Freq.   Numeric  Label
                    94,278        .

--------------------------------------------------------------------------------------------
subPoo                                                                         subsidize poor
--------------------------------------------------------------------------------------------

              Type: Numeric (byte)
             Label: yn10, but 9 nonmissing values are not labeled

             Range: [0,10]                       Units: 1
     Unique values: 11                       Missing .: 3,202/94,278

        Tabulation: Freq.   Numeric  Label
                       650        0
                    10,331        1  1.no
                     3,041        2
                     4,448        3
                     4,624        4
                    12,091        5
                     7,879        6
                     9,483        7
                    11,256        8
                     6,650        9
                    20,623       10  10.yes
                     3,202        .

--------------------------------------------------------------------------------------------
escPov                                                                         escape poverty
--------------------------------------------------------------------------------------------

              Type: Numeric (byte)
             Label: yn2

             Range: [.,.]                        Units: .
     Unique values: 0                        Missing .: 94,278/94,278

        Tabulation: Freq.   Numeric  Label
                    94,278        .

--------------------------------------------------------------------------------------------
priPub                                                                         private-public
--------------------------------------------------------------------------------------------

              Type: Numeric (byte)
             Label: pri_pub, but 8 nonmissing values are not labeled

             Range: [1,10]                       Units: 1
     Unique values: 10                       Missing .: 3,338/94,278

        Tabulation: Freq.   Numeric  Label
                    10,490        1  1.private ownership
                     4,458        2
                     6,916        3
                     6,776        4
                    18,940        5
                     9,266        6
                     8,052        7
                     8,321        8
                     4,697        9
                    13,024       10  10.public ownership
                     3,338        .

--------------------------------------------------------------------------------------------
trust                                                                                   trust
--------------------------------------------------------------------------------------------

              Type: Numeric (byte)
             Label: yn2

             Range: [0,1]                        Units: 1
```

```
Unique values: 2                          Missing .: 1,273/94,278

    Tabulation: Freq.    Numeric  Label
            70,453           0  0.no
            22,552           1  1.yes
             1,273           .
```

## 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

6

## 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
```

10

```
                                         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
```

13

```
                                                  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