PRC Stats Consulting workshop: Publishable results

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Getting results presentable & publication-ready

Getting ugly Stata results into a presentable and publishable format is a cut & paste nightmare. Plus cut & paste leaves too much room for transcription errors. Life is generally better if you can automate this process and there are several options for this.

```
. set more off

. global homedir  "C:\Users\selen\OneDrive\Fa18 PRC Stats Consulting"

. global logdir   "$homedir\log files"

. global datadir  "$homedir\data"

. global output   "$homedir\output"

. use "$datadir\all_postestimation.dta", clear
```

Estout, esttab, and more

ssc install estout

```
. eststo clear

. eststo A: reg pardiffhp5 CPI3

      Source |       SS           df       MS      Number of obs   =        20
-------------+----------------------------------   F(1, 18)        =      5.42
       Model |  .041590817         1  .041590817   Prob > F        =    0.0318
    Residual |  .138156924        18  .007675385   R-squared       =    0.2314
-------------+----------------------------------   Adj R-squared   =    0.1887
       Total |  .179747741        19  .009460407   Root MSE        =    .08761


------------------------------------------------------------------------------
   pardiffhp5 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
        CPI3 |   .0742113   .0318802     2.33   0.032     .0072334    .1411892
       _cons |  -.0523797   .0466496    -1.12   0.276    -.1503869    .0456274
------------------------------------------------------------------------------


. eststo B: reg pardiffhp5 CPI3 GDP_p TFR

      Source |       SS           df       MS      Number of obs   =        20
-------------+----------------------------------   F(3, 16)        =      1.67
       Model |  .042894947         3  .014298316   Prob > F        =    0.2130
    Residual |  .136852794        16   .0085533    R-squared       =    0.2386
-------------+----------------------------------   Adj R-squared   =    0.0959
       Total |  .179747741        19  .009460407   Root MSE        =    .09248


------------------------------------------------------------------------------
   pardiffhp5 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
        CPI3 |   .0705387   .0359412     1.96   0.067    -.0056531    .1467305
```

```
        GDP_p |   5.08e-07    2.48e-06     0.21   0.840    -4.74e-06    5.76e-06
          TFR |  -.0050497    .0445437    -0.11   0.911    -.0994782    .0893787
        _cons |  -.0438604     .101837    -0.43   0.672    -.2597452    .1720245
        ------------------------------------------------------------------------------


. eststo C: reg pardiffhp5 CPI3 GDP_p TFR mc_ext wkhr

      Source |       SS           df       MS      Number of obs   =        20
-------------+----------------------------------   F(5, 14)        =      1.10
       Model |   .05063412         5   .010126824   Prob > F        =    0.4043
    Residual |  .129113621        14   .009222402   R-squared       =    0.2817
-------------+----------------------------------   Adj R-squared   =    0.0252
       Total |  .179747741        19   .009460407   Root MSE        =    .09603


-------------------------------------------------------------------------------
   pardiffhp5 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
        CPI3 |     .07767    .0396367     1.96   0.070    -.0073422    .1626822
        GDP_p |   2.69e-06    4.03e-06     0.67   0.515    -5.95e-06    .0000113
          TFR |   .0316952    .0614501     0.52   0.614    -.1001022    .1634927
      mc_ext |   -.001246    .0052744    -0.24   0.817    -.0125585    .0100666
         wkhr |    .007301    .0101707     0.72   0.485     -.014513    .0291151
        _cons |  -.4426499    .5959823    -0.74   0.470    -1.720905    .8356051
-------------------------------------------------------------------------------

esttab using "$output\happinessgapresults.rtf", replace nobase se label title(Family Happiness Gap by
Country) nonumbers mtitles("Base model" "Family Policy" "GDP & TFR" "Extended Family & Work Week")
compress
    (output written to \Users\selen\OneDrive\Fa18 PRC Stats Consulting\output\happinessgapresults.rtf'`
```

You can use the estpost set of commands for summary statistics:

```
. la def gender 0 "men" 1 "women"

. la val female gender

. la def partner 0 "unpartnered" 1 "partnered"

. la val partner partner

. estpost tabulate female partner

partner     |
     female |     e(b)    e(pct)  e(colpct)  e(rowpct)
------------+------------------------------------------
unpartnered |
        men |        2        10         40   22.22222
      women |        3        15         60   27.27273
      Total |        5        25        100         25
------------+------------------------------------------
partnered   |
        men |        7        35   46.66667   77.77778
      women |        8        40   53.33333   72.72727
      Total |       15        75        100         75
------------+------------------------------------------
Total       |
        men |        9        45         45        100
      women |       11        55         55        100
      Total |       20       100        100        100

(output written to \Users\selen\OneDrive\Fa18 PRC Stats Consulting\output\gender esttab.rtf
. estpost tabstat CPI3 GDP_p TFR, statistics(mean sd) by(partner)

Summary statistics: mean sd
     for variables: CPI3 GDP_p TFR
  by categories of: partner

     partner |   e(CPI3)    e(GDP_p)     e(TFR)
-------------+--------------------------------
```

```
    unpartnered  |
           mean |     1.398    13552.37      1.8908
             sd |   .5319022    16254.8    .8328546
    -------------+--------------------------------
    partnered    |
           mean |   1.304667   9417.121      1.7344
             sd |   .6754666   10842.32     .590239
    -------------+--------------------------------
    Total        |
           mean |      1.328   10450.93      1.7735
             sd |   .6304518   12067.32    .6384053

    . esttab using "$output\summ stats by partnership.rtf", cells("CPI3 GDP_p TFR") noobs nomtitle
nonumber eqlabels(`e(labels)') varwidth(20) replace
    > .rtf
```

Outreg

ssc install sg97_4

```
    . qui reg pardiffhp5 CPI3

    . outreg using "$output\outreg_happinessresults", bdec(2) replace title(Family Happiness Gap by
Country) ctitles("", Base model) varlabels nodisplay


    . qui reg pardiffhp5 CPI3 GDP_p TFR

    . outreg using "$output\outreg_happinessresults", bdec(2) merge replace ctitles("", Family Policy)
varlabels nodisplay


    . qui reg pardiffhp5 CPI3 GDP_p TFR mc_ext wkhr

    . outreg using "$output\outreg_happinessresults", bdec(2) merge replace ctitles("", Extended Family
& Work Week) varlabels nodisplay note(Source could be here)
```

Tabout: for one and two-way frequency tables

ssc install tabout

```
    . tabout female partner using "$output\gender and partnership.csv", cells(freq col cum) format(0 1)
clab(No. Col_% Cum_%) replace style(csv)

    Table output written to: C:\Users\selen\OneDrive\Fa18 PRC Stats Consulting\output\gender and
partnership.csv

    ,Marital status,,,,,,,,
    Gender,unpartnered,unpartnered,unpartnered,partnered,partnered,partnered,Total,Total,Total
    ,No.,Col %,Cum %,No.,Col %,Cum %,No.,Col %,Cum %
    men,2,40.0,40.0,7,46.7,46.7,9,45.0,45.0
    women,3,60.0,100.0,8,53.3,100.0,11,55.0,100.0
    Total,5,100.0,,15,100.0,,20,100.0,
```