

# PRC Stats Consultants 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
Model	.041590817	1	.041590817	F(1, 18)	=	5.42
Residual	.138156924	18	.007675385	Prob > F	=	0.0318
Total	.179747741	19	.009460407	R-squared	=	0.2314
				Adj R-squared	=	0.1887
				Root MSE	=	.08761

```
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```

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

```
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```

```
. eststo B: reg pardiffhp5 CPI3 GDP_p TFR
```

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

```
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```

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
Model	.05063412	5	.010126824	F(5, 14)	=	1.10
Residual	.129113621	14	.009222402	Prob > F	=	0.4043
Total	.179747741	19	.009460407	R-squared	=	0.2817
				Adj R-squared	=	0.0252
				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

(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		e(b)	e(pct)	e(colpct)	e(rowpct)
female					
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)
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-----+-----			
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,
```