

```
. clear

.
. /*
> Back to Fan's Stata4Econ or other repositories:
> - http://fanwangecon.github.io
> - http://fanwangecon.github.io/Stata4Econ
> - http://fanwangecon.github.io/R4Econ
> - http://fanwangecon.github.io/M4Econ
> - http://fanwangecon.github.io/CodeDynaAsset/
> - http://fanwangecon.github.io/Math4Econ/
> - http://fanwangecon.github.io/Stat4Econ/
> - http://fanwangecon.github.io/Tex4Econ
>
> 1. Get statistics from regression, for example the p value
> 2. Show all subgroup coefficients in one regression
> */

. ///--- Start log
> set more off

. capture log close

. cd "${root_log}"
C:\Users\fan\Documents\Dropbox (UH-ECON)\Profile Paper\Paper Profile April 2016\tab\summstats

. global curlogfile "~\Stata4Econ\reglin\basic\fs_reg_get_stats"

. log using "${curlogfile}" , replace
```

```
name: <unnamed>
log: C:\Users\fan\Stata4Econ\reglin\basic\fs_reg_get_stats.smcl
log type: smcl
opened on: 10 Aug 2019, 18:40:23
```

```
. log on
(log already on)
```

```
. ///--- Load Data
> set more off
```

```
. sysuse auto, clear
(1978 Automobile Data)
```

```
. tab rep78
```

Repair Record 1978	Freq.	Percent	Cum.
1	2	2.90	2.90
2	8	11.59	14.49
3	30	43.48	57.97
4	18	26.09	84.06
5	11	15.94	100.00
Total	69	100.00	

```
. tab foreign
```

Car type	Freq.	Percent	Cum.
Domestic	52	70.27	70.27
Foreign	22	29.73	100.00
Total	74	100.00	

```
. ///--- Regression
> regress weight ib3.rep78 if foreign == 0
```

Source	SS	df	MS	Number of obs	=	48
Model	4501656.94	4	1125414.24	F(4, 43)	=	2.73
Residual	17746209.7	43	412702.552	Prob > F	=	0.0414
				R-squared	=	0.2023
				Adj R-squared	=	0.1281
Total	22247866.7	47	473358.865	Root MSE	=	642.42

weight	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
rep78						
1	-342.2222	470.7829	-0.73	0.471	-1291.646	607.202
2	-88.47222	258.5983	-0.34	0.734	-609.9855	433.041
4	90	247.2673	0.36	0.718	-408.662	588.662
5	-1482.222	470.7829	-3.15	0.003	-2431.646	-532.798
_cons	3442.222	123.6337	27.84	0.000	3192.891	3691.553

```

.
. ///--- Get r(table) Column Names
> global colnames : colnames r(table)

. di "$colnames"
1.rep78 2.rep78 3b.rep78 4.rep78 5.rep78 _cons

. global rownames : rownames r(table)

. di "$rownames"
b se t pvalue ll ul df crit eform

.
. ///--- Regression Statistics as matrix
> matrix list r(table)

r(table)[9,6]
      1.      2.      3b.      4.      5.
      rep78 rep78 rep78 rep78 rep78 _cons
b    -342.22222 -88.472222 0 90 -1482.2222 3442.2222
se    470.78292 258.59833 . 247.2673 470.78292 123.63365
t     -72692149 -34212217 . 36397857 -3.1484197 27.842114
pvalue .47121318 .73392554 . 71765767 .00298173 3.865e-29
ll    -1291.6465 -609.98547 . -408.66204 -2431.6465 3192.8912
ul     607.20202 433.04102 . 588.66204 -532.79798 3691.5532
df      43      43      43      43      43      43
crit   2.0166922 2.0166922 2.0166922 2.0166922 2.0166922 2.0166922
eform      0      0      0      0      0      0

. matrix rtable = r(table)

.
. ///-- Get All p values
. matrix pval_row = rtable[rownumb(rtable, "pvalue"), 1...]

. matrix list pval_row

pval_row[1,6]
      1.      2.      3b.      4.      5.
      rep78 rep78 rep78 rep78 rep78 _cons
pvalue .47121318 .73392554 . 71765767 .00298173 3.865e-29

.
. ///-- Get One Particular pValue
. di colnumb(rtable, "5.rep78")
5
. di rownumb(rtable, "pvalue")
4
. global pval = rtable[rownumb(rtable, "pvalue"), colnumb(rtable, "5.rep78")]

. di "$pval"
.0029817253864863

.
. ///--- End Log and to HTML
> log close
name: <unnamed>
log: C:\Users\fan\Stata4Econ\reglin\basic\fs_reg_get_stats.smcl
log type: smcl
closed on: 10 Aug 2019, 18:40:23

.
. capture noisily {
.   log2html "${curlogfile}", replace
(note: file C:\Users\fan\Stata4Econ\reglin\basic\fs_reg_get_stats.html not found)

HTML log file ~\Stata4Econ\reglin\basic\fs_reg_get_stats.html created
. }

.
. ///--- to PDF
> capture noisily {
.   translator set Results2pdf logo off
.   translator set Results2pdf fontsize 8
.   translator set Results2pdf pagesize letter
.   translator set Results2pdf lmargin 0.2
.   translator set Results2pdf rmargin 0.2
.   translator set Results2pdf tmargin 0.2
.   translator set Results2pdf bmargin 0.2
.   translate @Results "${curlogfile}.pdf", replace translator(Results2pdf)

```