

ECON 4848

STATA HANDOUT 3

It is easy to construct tables with regression outputs and to export/combine graphs. Consider estimation of the regression model $E(Y|X) = \beta_0 + \beta_1 X$ by the method of moments. In Stata we have used repeatedly,

```
regress y x
```

Now use the following command,

```
quietly regress y x
```

```
estimates store model 1
```

```
estimates table model 1
```

The `estimates table` command has a number of options.

Here is the general syntax,

```
estimates table name , options
```

where name is a chosen name, and the options include:

1. `stats(scalarlist)` report scalarlist in table
2. `star[(#1 #2 #3)]` use stars to denote significance levels
3. `keep(coeflist)` report coefficients in order specified
4. `drop(coeflist)` omit specified coefficients from table
5. Numerical formats

`b[(%fmt)]` how to format coefficients, which are always reported

`se[(%fmt)]` report standard errors and use optional format

`t[(%fmt)]` report t or z and use optional format

`p[(%fmt)]` report p-values and use optional format

6. General format

`varwidth(#)` use # characters to display variable names and statistics

`modelwidth(#)` use # characters to display model names

`eform` display coefficients in exponentiated form

`label` display variable labels rather than variable names

`newpanel` display statistics in separate table from coefficients
`style(online)` put vertical line after variable names; the default
`style(columns)` put vertical line separating every column
`style(noline)` suppress all vertical lines
`title(string)` title for table

7. `title()` does not appear in the dialog box.

Graphs that are produced by a `do` code can be saved in a separate file and combined into one graph file. For example, try the following commands:

```
scatter y x || lfit y x
graph save graph1, replace scatter z w || lfit z w
graph save graph2, replace
graph combine graph1.gph graph2.gph, rows(2)
```

The `graph save` and `graph combine` commands have a number of options. Here is the general syntax,

```
graph save graphname, asis replace
graph combine name1 name2... , options
```

Among the options are:

1. `rows(#)` — `cols(#)` display in # rows or # columns
2. `ycommon` : give y axes common scales
3. `xcommon` : give x axes common scales
4. title options: titles to appear on combined graph
5. region options: outlining, shading, aspect ratio
6. `commonscheme`: put graphs on common scheme
7. `scheme(schemename)` : overall look 2
8. `nodraw` : suppress display of combined graph
9. `name(name, ...)`: specify name for combined graph 10. `saving(filename, ...)` : save combined graph in file