

# Stata Sessions Week 4

## EC203-EC304

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# Using the Do-file Editor - automating Stata

## Do-file Editor

Do-file Editor: an integrated text editor for Stata with the following advantages

- Can build up a series of commands that can then be submitted to Stata all at once
- Handy when writing a loop or doing complex, repetitive tasks interactively

Click on the Do-file Editor button or by typing `doedit` in the Command window and pressing Enter.



# Using the Do-file Editor - automating Stata

## Do-file Editor Toolbar

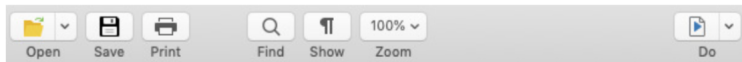


Figure: Toolbar for Mac



Figure: Toolbar for Windows



Figure: Execute (Do)

# Using the Do-file Editor - automating Stata

## Using the Do-file Editor

Let's analyze the fuel usage for 1978 automobiles by using do-file editor.

Try the following on the do-file:

```
/* an example do-file
```

```
webuse auto
```

```
generate gp100m = 100/mpg
```

```
label var gp100m = "Gallons per 100 miles"
```

```
regress gp100m weight foreign
```

Click on the Do button.

# Using the Do-file Editor - automating Stata

## Using the Do-file Editor

```
. do /tmp/SD000001.000000
. * an example do-file
. sysuse auto, clear
(1978 Automobile Data)
. generate gp100m = 100/mpg
. label var gp100m "Gallons per 100 miles"
. regress gp100m weight foreign
```

Source	SS	df	MS
Model	91.1761694	2	45.5880847
Residual	28.4000913	71	.400001287
Total	119.576261	73	1.63803097

Number of obs = 74  
F( 2, 71) = 113.97  
Prob > F = 0.0000  
R-squared = 0.7625  
Adj R-squared = 0.7558  
Root MSE = .63246

gp100m	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
weight	.0016254	.0001183	13.74	0.000	.0013896	.0018612
foreign	.6220535	.1997381	3.11	0.003	.2237871	1.02032
_cons	-.0734839	.4019932	-0.18	0.855	-.8750354	.7280677

```
.
end of do-file
```

# Using the Do-file Editor - automating Stata

## A few comments

Try the followings for making comments: `*` or `/* */` (block comment) or `//` (toggle comment). Stata doesn't recognize commands after `*` or `/*`.

If you want to run only a few lines in a do-file, then highlight the lines and try Shift + Command + D for Mac, or Control + D for Windows.

# Saving and printing results by using logs

A log file is a record of your Results window. It records all commands and all textual output as it happens.

By default, Stata will save the log file in SMCL format.

Click on the Log button (notebook shape).

Choose Begin... from the drop-down menu to start a new log file.

Choose Append... to add more Stata output to an existing log file.

Close the log file by using the log close command.

# Saving and printing results by using logs

Log files are best viewed using Stata's Viewer. Try:

- Click on the Log button, and select View...
- Select File > Log > View...

In the Viewer window, you can copy text and paste between the Viewer and anything else that uses text, such as word processors or text editors.



# Saving and printing results by using logs

To print a SMCL log file, you should open the log file in a Viewer window. Then, click on the Print button.

You can use the 'translate' command to generate a pdf version of the log file.