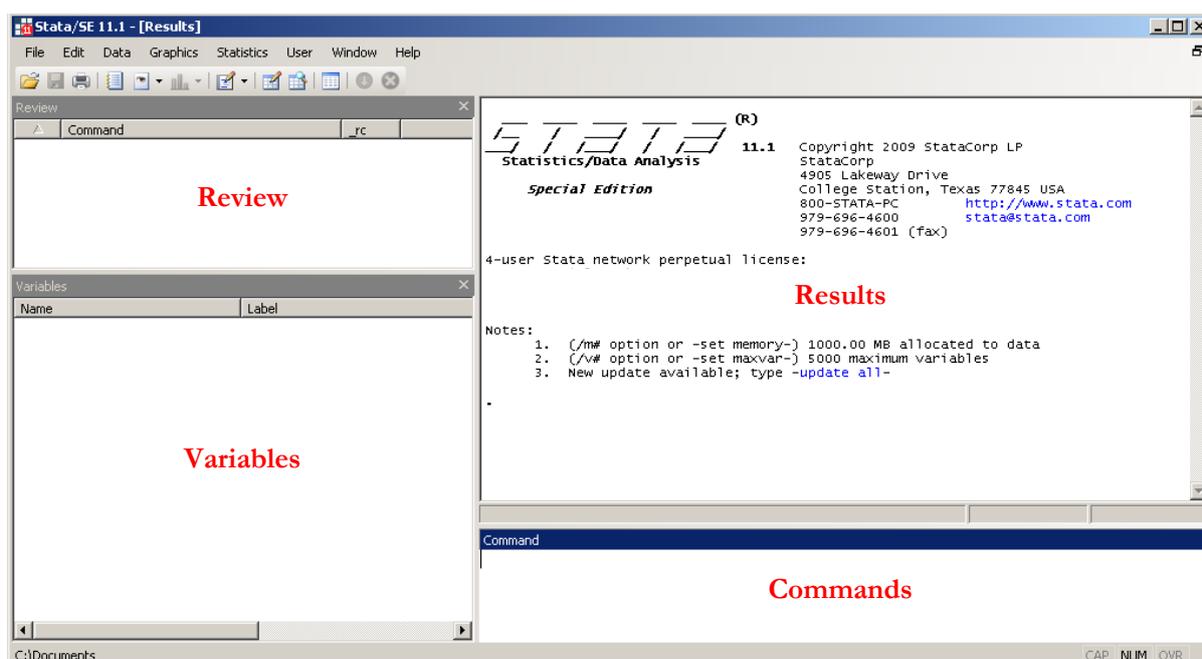


Oxford Poverty and Human Development Initiative (OPHI)<http://ophi.keh.ox.ac.uk>*Oxford Dept of International Development,
Queen Elizabeth House, University of Oxford***Basic STATA commands**

Typical STATA window

**Exploring your data**

- Create a do file
- Change your directory
- Open your database
- Import from Excel (csv file)

doedit

cd "c:\your directory"

use **database**, clearinsheet using "**filename.csv**"

Condition (after the following commands)

Equivalence symbols:

if var1==3 or if var1=="male"

== equal; ~= not equal; != not equal; > greater than;

>= greater than or equal; < less than; <= less than or equal; & and; | or.

[iw=weight] or [aw=weight]

Weight

- Browse your database
- Look for a variables
- Summarize a variable (mean, standard deviation, min. and max.)
- Tabulate a variable (per category)
- Statistics for variables by subgroups
- Information of a variable (coding)
- Keep certain variables (use drop for the opposite)
- Save a dataset

browse

lookfor "**any word/topic**"su **variable1 variable2 variable3**tab **variable1** (add a second variables for cross tabs)tabstat **variable1 variable2**, s(n mean) by(group)codebook **variable1**, tab(99)

keep var1 var2 var3

save **filename**, [replace]

Creating Variables

- Generate a new variable (a number or a combinations of other variables)
`gen new_variable = 1`
`gen new_variable = variable1+ variable2`
- Generate a new variable conditional (with restriction of range)
`gen new_variable = 1 if variable1==0`
`gen new_variable = variable1 if variable2==0`
- Replace data in an existent variable
`replace variable1=1`
`replace variable1= variable1+ variable2`
- Replace data in an existent variable conditional
`replace variable1 = 1 if variable2==3`
`replace variable1 =1/variable2 if variable1==0`
- Create a dummy variable (1 if the condition is satisfied, 0 otherwise)
`gen male=(sex==2)`
`gen london=(region==2)`
- Create a variable 2 (specific actions)
`egen maxvar=max(var1)`
`egen minvar=min(var1)`
`egen rowsum=rsum(var1 var2 var3)`
- Label a variable
`Label variable variable1 "Name of the variable 1"`

Generating a loop

Assign one variable to the household

```
bys hh_id: egen hhvar=max(var1)
```

Loop with strings

```
bys hh_id: egen hhvar=min(var1)
foreach var in string1 string2 string3 {
gen new_`var' = 0.3
}
```

Loop with numbers

```
forvalues x=1(1)13 {
gen newvar `x'=`x'
}
```

Explanation `forvalues x=minimum(interval)maximum {`
any action that you want but instead of the number you will write `x'
`}`

Other

- Creating a matrix
Automatically `matrix a=J(n° of row, n° of columns, content)`
Directly `matrix a=[1,2,3\4,5,6]` (, separates columns and \ rows)
- See the matrix a
`matrix list a`
- Create a log file to record your work
`log using filename.log/smcl, [append replace]`
- Close the log (at the end of the file)
`log close`

More information at <http://www.stata.com/links/resources1.html>