

Stata Workshop

At MINAGRI

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DIME, World Bank

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Section 1

Section 2

```
use "$data\cs_s0_s5_household.dta", clear
```

Lab Task 7: Saving Stata datasets

- The command for saving a Stata dataset is ***save***.
- ***save*** saves your data in memory in a file format called dta. This is a file that can only be read with Stata.
- The command for saving a dataset in excel and csv is ***export***.
- ***export*** is the opposite of import, and is very versatile. It lets you save data in excel, csv, sas and others. Please refer to the help file on ***export***.

Lab Task 7: Saving Stata datasets

Save data in memory to file

```
save [filename] [, save_options]
```

Save data in memory to file in Stata 12 format

```
saveold filename [, saveold_options]
```

<i>save_options</i>	Description
no1abel	omit value labels from the saved dataset
replace	overwrite existing dataset
all	save a(sample) with the dataset; programmer's option
orphans	save all value labels
emptyok	save dataset even if zero observations and zero variables

Save data in memory to an Excel file

```
export excel [using] filename [if] [in] [, export_excel_options]
```

Save subset of variables in memory to an Excel file

```
export excel [varlist] using filename [if] [in] [, export_excel_options]
```

<i>export_excel_options</i>	Description
Main	
sheet ("sheetname")	save to Excel worksheet
cell (start)	start (upper-left) cell in Excel to begin saving to
sheetmodify	modify Excel worksheet
sheetreplace	replace Excel worksheet
firstrow (variables varlabels)	save variable names or variable labels to first row
no1abel	export values instead of value labels
replace	overwrite Excel file
Advanced	
datestring ("datetime_format")	save dates as strings with a <i>datetime_format</i>
missing ("repval")	save missing values as <i>repval</i>
locale ("locale")	specify the locale used by the workbook; has no effect on Microsoft Windows

`locale()` does not appear in the dialog box.

Lab Task 7: Saving Stata datasets

Let's save the modified data as a dta file. Type...

```
save "$data\cs_s0_s5_household_modified.dta", replace
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Notice that we use the ***replace*** option. This overwrites the existing file. Type the same command without ***, replace***, and see what error you get!

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Did you get an error like this?

```
file
  C:\Users\WB506744\Dropbox\DIME_work\minagri_stata_training_aug2018\data\cs_s0
  > _s5_household_modified.dta already exists
r(602);
```

Lab Task 7: Saving Stata datasets

Now, let's save the modified data as a excel. This is helpful if you are sending the dataset to someone who does not use or have Stata.
Type...

```
export excel using "$data\cs_s0_s5_household_modified.xls", replace
```

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Open the output file. Notice that it doesn't have variable names as column names. This is very inconvenient!

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```

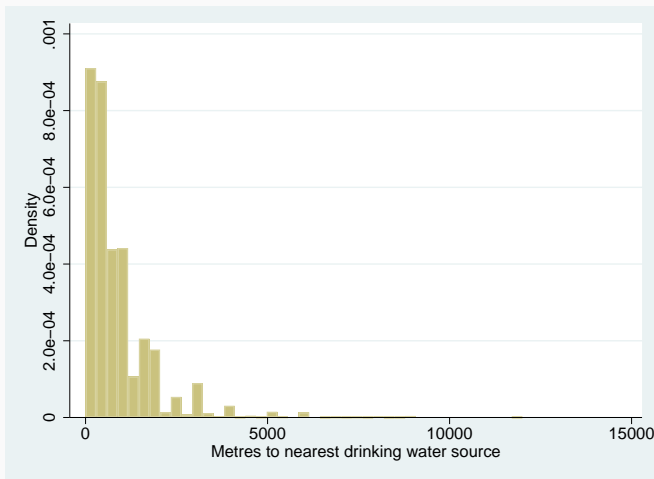
Open the newly saved excel file. You will find column names!

Section 3: Introduction to Stata Graphics

Add the first several pages from the FC training on data visualization.

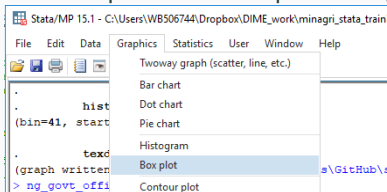
Box plot

Let's make a a box plot like the one below using the drop down menu first.



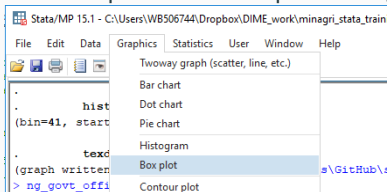
Box plot

1. Click Graphics on the top left side, and select *Box plot*.



Box plot

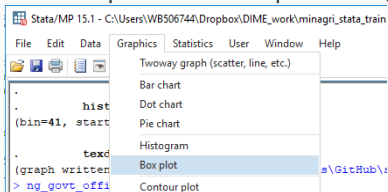
1. Click Graphics on the top left side, and select *Box plot*.



2. In the *Main* tab, select the variable *m_drink_ws*.

Box plot

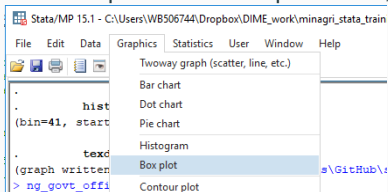
1. Click Graphics on the top left side, and select *Box plot*.



2. In the *Main* tab, select the variable *m_drink_ws*.
3. In the *Categories* tab, select *Group 1* and *urban_2012* as your grouping variable.

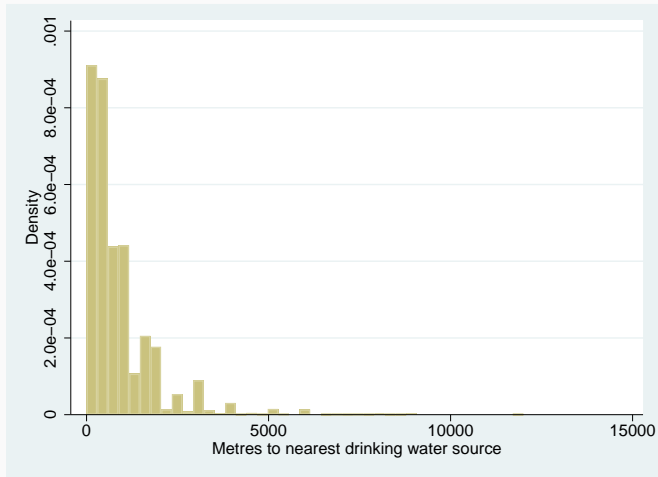
Box plot

1. Click Graphics on the top left side, and select *Box plot*.



2. In the *Main* tab, select the variable *m_drink_ws*.
3. In the *Categories* tab, select *Group 1* and *urban_2012* as your grouping variable.
4. Then, press ok.

Histogram



Oneway graphs

blah blah

Twoway graphs

blah blah

Saving and combining graphs

blah blah