

Basic Commands

| | | |
|---------------|--|--|
| cd | Change Working Directory | <i>cd "path/location/here"</i> |
| browse | Open Spreadsheet of Data (browse only) | <i>browse</i> |
| edit | Open Spreadsheet of Data (browse + edit) | <i>edit</i> |
| list | Print data to Stata Console | <i>list variable_1 variable_2 variable_3</i> |
| help | Open Help page for commands | <i>help command_name</i> |
| in | Selecting by Observation Number | <i>list variable_1 in 1/5</i> |
| if | Selecting Observation by condition | <i>list var1 if var2<50</i> |

Basic Operators

| | |
|---------------|------------------------------------|
| + | Add (Numbers) Combine (Strings) |
| - | Subtraction |
| * | Multiplication |
| / | Divide |
| ^ | Raise to a power |
| & | and Operator |
| | or Operator |
| ! or ~ | not Operator |
| = | Assigns a value to a variable |
| == | Compare whether two thing is equal |
| != | Not Equal |
| < | Less Than |
| <= | Less than or equal to |
| > | Greater than |
| >= | Greater than or equal |

Importing and Exporting Data

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|---------------------|---|---|
| use | load Stata dataset | <i>use "data/file/location"</i> |
| sysuse | Open System Data files | <i>"sysuse data_name"</i> |
| import excel | Import Excel Data, using my sheet1 and first row as variable name | <i>import excel using "path/to/file", sheet("mysheet") firstrow</i> |

Importing and Exporting Data (cont)

| | | |
|-------------------------|--|---|
| import delimited | Import tab or comma delimited Data, using my sheet1 and first row as variable. | <i>import delimited using "C:\path\myfile.csv", clear</i> |
| import spss | Import SPSS Data | <i>import spss "yourSPSSfile.sav"</i> |
| clear | clear dataset from memory | <i>sysuse auto, clear</i> |
| save | save Stata dataset | <i>save auto, replace</i> |
| replace | overwrite an existing file with the same name | <i>save auto, replace</i> |

Exploring Data

| | | |
|------------------|-------------------------|--------------------------------------|
| codebook | inspect variable values | <i>codebook variable1 variable2</i> |
| summarize | summarize distribution | <i>summarize variable1 variable2</i> |
| tabulate | tabulate frequencies | <i>tabulate variable1 variable2</i> |

Data Visualization

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|------------------|----------------------------|--|
| histogram | Creates Histogram | <i>histogram variable1</i> |
| graph box | Creates Boxplots | <i>graph variable1 variable2</i> |
| scatter | Creates Scatter plot | <i>scatter variable1 variable2</i> |
| graph bar | Creates Bar Plot | <i>graph bar (count), over(variable)</i> |
| twoway | Create multi-layered plots | <i>twoway (scatter var1 var2) (lowess var1 var2)</i> |

