

### Basic Commands

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

### Basic Operators

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

### Importing and Exporting Data

|                     |                                                                  |                                                                     |
|---------------------|------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>use</b>          | load Stata dataset                                               | <i>use "data/file/location"</i>                                     |
| <b>sysuse</b>       | Open System Data files                                           | <i>"sysuse data_name"</i>                                           |
| <b>import excel</b> | Import Excel Data, using my seet1 and first row as variable name | <i>import excel using "path/to/file", sheet("mysheet") firstrow</i> |

### Importing and Exporting Data (cont)

|                         |                                                                               |                                                           |
|-------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>import delimited</b> | Import tab or comma delimited Data, using my seet1 and first row as variable. | <i>import delimited using "C:\path\myfile.csv", clear</i> |
| <b>import spss</b>      | Import SPSS Data                                                              | <i>import spss "yourSPSSfile.sav"</i>                     |
| <b>clear</b>            | clear dataset from memory                                                     | <i>sysuse auto, clear</i>                                 |
| <b>save</b>             | save Stata dataset                                                            | <i>save auto, replace</i>                                 |
| <b>replace</b>          | overwrite an existing file with the same name                                 | <i>save auto, replace</i>                                 |

### Exploring Data

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

### Data Visualization

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