

## Some Common Commands

Command	Explanation	Abbreviation
<code>help</code>	access documentation	
<code>list</code>	lists the data points	
<code>input</code>	creates data for a new random variable	
<code>summarize</code>	shows summary statistics for all variables	<code>sum</code>
<code>summarize x</code>	shows summary statistics for variable $x$	<code>sum x</code>
<code>tabulate x</code>	gives frequencies for variable $x$	<code>tab x</code>
<code>regress y x</code>	explains variable $y$ as a function of variable $x$	<code>reg y x</code>
<code>correlate y x</code>	shows correlation between variables $y$ and $x$	<code>corr x y</code>
<code>twoway</code>	plots variable $y$ as a function of variable $x$	<code>tw</code>
<code>histogram x</code>	creates histogram for variable $x$	<code>hist x</code>
<code>graph pie, over(x)</code>	creates a pie chart of variable $x$	
<code>graph export</code>	exports the preceding graph as a .png file	
<code>generate</code>	generates a new random variable	<code>gen</code>
<code>log</code>	creates a log of subsequent Stata output	
<code>cls</code>	clears the output window	
<code>clear all</code>	clears everything from Stata	

## Examples

`help twoway`

Opens a window explaining the `twoway` command and list its options.

`twoway (scatter y x) (lfit y x)`

Plots  $y$  as the dependent variable and  $x$  size as the independent variable as a scatterplot; and will also plot the line of best fit through the data.

`graph export xyplot.png`

Exports the graph as `xyplot.png` into the working directory.

`graph pie, over(x) plabel(_all name) title("X")`

Creates a pie chart for variable  $x$  labeled “X” with each slice labeled.

`gen logx = log(x)`

Creates a new random variable  $\log x$  by taking the natural log of the random variable  $x$ .

`log using xydata.txt, text replace`

Logs output to `xydata.txt` (erasing the file if it exists already). End logging with `log close`.