

Commands

Command	Explanation	Abbreviation
set obs	sets number of observations	
set scheme slmono	sets greyscale printer-friendly color scheme	
sort x	sorts variable x in ascending order	
line x y	graphs a line plot of x on y	
tsset y	sets y as the time variable in a time series	
graph bar, over(x)	creates a bar graph for x	
graph box x	creates box plot for x	

Examples

Skew

<code>set obs 1000</code>	sets observations to 1000
<code>generate sdnorm = rnormal(0,1)</code>	generates 100 $\mathcal{N}(0,1)$ observations
<code>generate rskew = rbeta(1,6)</code>	generates a right skewed distribution
<code>generate lskew = rbeta(6,1)</code>	generates a left skewed distribution

Kurtosis

<code>generate cauchy = rt(1)</code>	generates 100 Cauchy observations
<code>tw kdensity cauchy, range(-5 5) kdensity sdnorm, range(-5 5)</code>	
	plots Cauchy on top of standard normal from -5 to 5

Time Series

Open *bees.dta* from my website.

<code>line cols year</code>	plots time series of bee colonies over years
<code>tsset year</code>	sets <i>year</i> as the time variable
<code>graph twoway tsline cols</code>	plots the time series again
<code>generate beechange = d.cols</code>	generates yearly change in bee cols
<code>generate beegrowth = 100 * d.cols / l.cols</code>	generates growth rate of bee cols

Graphs

Set 15 observations and `input var` some random data.

<code>graph bar, over(var, sort(1) descending)</code>	sorts bars in descending height
---	---------------------------------