Commands

Command	Explanation	Abbreviation
set obs	sets number of observations	
set scheme s1mono	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

`set obs 1000` sets observations to 1000

`generate sdnorm = rnormal(0,1)` generates $\mathcal{N}(0,1)$ observations

`generate rskew = rbeta(1,6)` generates right skewed observations

`generate lskew = rbeta(6,1)` generates left skewed observations

Kurtosis

`generate cauchy = rt(1)` generates Cauchy observations

`tw kdensity cauchy, range(-5 5) || kdensity sdnorm, range(-5 5)`
plots Cauchy on top of standard normal from -5 to 5

Time Series

Open *bees.dta* from my website.

`line cols year` plots time series of bee colonies over years

`tsset year` sets *year* as the time variable

`tw tsline cols` plots the time series again

`generate beechange = d.cols` generates yearly change in bee cols

`generate beegrowth = 100 * d.cols / l.cols` generates growth rate of bee cols

Graphs

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

`graph bar, over(var, sort(1) descending)` sorts bars in descending height