

graph other — Other graphics commands

[Description](#)[Syntax](#)[Remarks and examples](#)[Also see](#)

Description

In addition to `graph`, there are many other commands that draw graphs. They are listed above.

Syntax

Distributional diagnostic plots:

Command	Description
<code>histogram</code>	histograms
<code>symplot</code>	symmetry plots
<code>quantile</code>	quantile plots
<code>qnorm</code>	quantile–normal plots
<code>pnorm</code>	normal probability plots, standardized
<code>qchi</code>	chi-squared quantile plots
<code>pchi</code>	chi-squared probability plots
<code>qqplot</code>	quantile–quantile plots
<code>gladder</code>	ladder-of-powers plots
<code>qladder</code>	ladder-of-powers quantiles
<code>spikeplot</code>	spike plots and rootograms
<code>dotplot</code>	means or medians by group
<code>sunflower</code>	density-distribution sunflower plots

Smoothing and densities:

Command	Description
<code>kdensity</code>	kernel density estimation, univariate
<code>lowess</code>	lowess smoothing
<code>lpoly</code>	local polynomial smoothing

Regression diagnostics:

Command	Description
<code>avplot</code>	added-variable (leverage) plots
<code>cprplot</code>	component-plus-residual plots
<code>lvr2plot</code>	L-R (leverage-versus-squared-residual) plots
<code>rvfplot</code>	residual-versus-fitted plots
<code>rvpplot</code>	residual-versus-predictor plots

Time series:

Command	Description
<code>ac</code>	correlograms
<code>pac</code>	partial correlograms
<code>pergram</code>	periodograms
<code>cumsp</code>	spectral distribution plots, cumulative
<code>xcorr</code>	cross-correlograms for bivariate time series
<code>wntestb</code>	Bartlett's periodogram-based white-noise test
<code>estat acplot</code>	parametric autocorrelation and autocovariance functions after <code>arma</code> and <code>arfima</code>
<code>estat aroots</code>	eigenvalues of the companion matrices after <code>arma</code>
<code>estat sbcusum</code>	cumulative sum test for parameter stability

Vector autoregressive (VAR, SVAR, VECM) models:

Command	Description
<code>fcast graph</code>	<code>var</code> , <code>svar</code> , and <code>vec</code> forecasts
<code>varstable</code>	eigenvalues of the companion matrix after <code>var</code> and <code>svar</code>
<code>vecstable</code>	eigenvalues of the companion matrix after <code>vec</code>
<code>irf graph</code>	impulse–response functions (IRFs) and forecast-error variance decompositions (FEVDs)
<code>irf ograph</code>	overlaid IRFs and FEVDs
<code>irf cgraph</code>	combined IRFs and FEVDs

Longitudinal data/panel data:

Command	Description
<code>xtline</code>	panel-data line plots

Survival analysis:

Command	Description
<code>sts graph</code>	survivor, hazard, or cumulative-hazard functions
<code>strate</code>	failure rates and cumulative hazard comparisons
<code>ltable</code>	life tables
<code>stci</code>	means and percentiles of survival time, with CIs
<code>stphplot</code>	log-log plots
<code>stcoxkm</code>	Kaplan–Meier observed survival curves
<code>estat phtest</code>	verify proportional-hazards assumption
<code>stcurve</code>	survivor, hazard, cumulative hazard, or cumulative incidence function
<code>estat gofplot</code>	goodness of fit of models for interval-censored data

ROC analysis:

Command	Description
<code>roctab</code>	ROC curve
<code>rocplot</code>	parametric ROC curve
<code>roccomp</code>	multiple ROC curves, compared
<code>rocregplot</code>	marginal and covariate-specific ROC curves
<code>lroc</code>	ROC curve after <code>logistic</code> , <code>logit</code> , <code>probit</code> , and <code>ivprobit</code>
<code>lsens</code>	sensitivity and specificity versus probability cutoff

Item response theory:

Command	Description
<code>irtgraph icc</code>	item characteristic curve plot
<code>irtgraph tcc</code>	test characteristic curve plot
<code>irtgraph iif</code>	item information function plot
<code>irtgraph tif</code>	test information function plot

Multivariate analysis:

Command	Description
<code>biplot</code>	biplot
<code>cluster dendrogram</code>	dendrograms for hierarchical cluster analysis
<code>screeplot</code>	scree plot of eigenvalues
<code>scoreplot</code>	factor or component score plot
<code>loadingplot</code>	factor or component loading plot
<code>procoverlay</code>	Procrustes overlay plot
<code>cabiplot</code>	correspondence analysis biplot
<code>caprojection</code>	correspondence analysis dimension projection plot
<code>mcaplot</code>	plot of category coordinates
<code>mcaprojection</code>	MCA dimension projection plot
<code>mdsconfig</code>	multidimensional scaling configuration plot
<code>mdsshepard</code>	multidimensional scaling Shepard plot

Quality-control charts:

Command	Description
<code>cusum</code>	cusum plots
<code>cchart</code>	c (control) charts
<code>pchart</code>	p (fraction-defective) charts
<code>rchart</code>	R (range or dispersion) charts
<code>xchart</code>	\bar{X} (control line) charts
<code>shewhart</code>	\bar{X} and R charts, vertically aligned
<code>serrbar</code>	standard error bar charts

Other statistical graphs:

Command	Description
marginsplot	graph of results from margins (profile plots, etc.)
bayesgraph	graph of results from bayesmh
power, graph	graph of results from power
tabodds	odds-of-failure versus categories
teffects overlap	overlap plots
npggraph	conditional mean function
gmap	visualization of spatial data
pkexamine	summarize pharmacokinetic data

Remarks and examples

stata.com

The other graph commands are implemented in terms of `graph`, which provides the following capabilities:

Command	Description
graph bar	bar charts
graph pie	pie charts
graph dot	dot charts
graph matrix	scatterplot matrices
graph twoway	twoway ($y-x$) graphs, including
graph twoway scatter	scatterplots
graph twoway line	line plots
graph twoway function	function plots
graph twoway histogram	histograms
graph twoway *	more

Also see

[G-1] [graph intro](#) — Introduction to graphics