

THE STATA JOURNAL

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Software Updates

gr42_4: Quantile plots, generalized. N. J. Cox. *Stata Journal* 5: 470; 4: 97; *Stata Technical Bulletin* 61: 10–11; 51: 16–18. Reprinted in *Stata Technical Bulletin Reprints*, vol. 10, pp. 55–56; vol. 9, pp. 113–116.

This update includes better handling of x -axis titling, a new option allowing the user to specify an alternative plotting position or rank variable, and an update to the help.

gr0001.2: Generalized Lorenz curves and related graphs: Update for Stata 7. P. van Kerm and S. P. Jenkins. *Stata Journal* 1: 107–112; 4: 490.

`glcurve` could produce incorrect results for TIP curves if the poverty line was allowed to vary across observations. This problem has been fixed. The update also improves the help file and the labeling of the default plots produced by `glcurve`.

st0105.1: Maximum simulated likelihood estimation of a negative binomial regression model with multinomial endogenous treatment. P. Deb and P. K. Trivedi. *Stata Journal* 6: 246–255.

A bug has been fixed so that multicollinearity between regressors is correctly handled. In the published version, the routine would terminate with a cryptic error if multicollinearity was encountered. Now `_rmcoll` has been used to handle this issue.

A few people suggested that it would be nice to see iteration logs for models used to generate starting values (à la `nbreg`), and this is now the default setup. In the published version, no log was shown by default.

st0044.1: Do-it-yourself shuffling and the number of runs under randomness. N. Smee-ton and N. J. Cox. *Stata Journal* 3: 270–277.

The previous article discussed Stata methods for using simulation to estimate the probabilities of run numbers under random shuffling. Two explicit programs, `nruns` and `nrunsi`, are now provided for analyzing sequences stored in a variable or supplied on the fly, respectively. Mata is used to speed up the shuffling.

st0053.3: From the help desk: Local polynomial regression and Stata plugins. R. G. Gutierrez, J. M. Linhart, and J. S. Pitblado. *Stata Journal* 5: 285 and 139; 3: 412–419.

`locpoly` has been fixed so that one may now override the default axes titles.