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THE STATA JOURNAL

The *Stata Journal* is a quarterly publication containing articles about statistics, data science, teaching methods, and the effective use of Stata's language. Whether you are a Stata rookie or a seasoned veteran, each issue of the *Stata Journal* is sure to have helpful information for you.

ABOUT THE STATA JOURNAL

The *Stata Journal* has served as a hub for the collected wisdom of countless Stata users since 2001, continuing a tradition started with the publication of the first issue of the *Stata Technical Bulletin* in 1991. The *Stata Journal* includes peer-reviewed articles together with shorter notes and comments, regular columns, book reviews, and other material of interest for Stata users.

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- Articles on the statistical properties of new or existing estimators, tests, and features of Stata that broaden the understanding of intermediate and advanced Stata users.
- Articles that are interesting and useful, covering topics that are of practical importance to researchers yet are not often written about elsewhere. An example topic could be managing large datasets, with advice from Stata users with hard-won experience.
- Articles of interest to those teaching with Stata. Topics include examples of techniques with interpretation of results, simulations of statistical concepts, and overviews of subject areas.

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Advanced methods

Maximum simulated likelihood • Multivalued treatment effects • Propensity-score and nearest-neighbor matching • Multiple imputation • Principal coordinate analysis • Power and sample size • GLM measurement error and calibration • Instrumental variables and GMM • Semiparametric regression • Demand system estimation • Nonparametric bootstrap with shrinkage • Multivariate outlier detection • Kernel density • Bayesian model averaging • Blinder-Oaxaca decompositions • Quasi-least squares • Multivariate decomposition for nonlinear response

Graphics

Manhattan plots • Marginal model plots • Quantile plots • Confidence ellipses • Distribution plots • Inverse response plots • Smile plots • Spine plots • Thematic maps • Link plots • Bland-Altman plots • Contour-enhanced funnel plots • Forest plots • Trellis plots • Venn diagrams • Chernoff faces

Panel data and multilevel models

Generalized linear mixed models • Dynamic panel-data models • Nonstationary panel-data models • Correlated random effects • Unbalanced panel-data estimation • Panel-data stochastic frontier models • Fixed-effects panel threshold models

Interactive applications

Stata and Google maps • Stata and Dropbox • Stata and LaTeX • Stata and Google keyhole markup • Stata and HTML • Importing financial data • Stata and Microsoft Office • Stata and web-based information systems • Multilingual datasets

Time series

Simulations of ARIMA models • Long-run covariance and cointegration • X-12-ARIMA seasonal adjustment • Financial portfolio selection • Seasonal unit-root tests • Tests for serial correlation • Interrupted time-series analysis

SPEAKING STATA

"Speaking Stata" by Nicholas J. Cox, geographer at Durham University and long-time Stata user, concentrates on the effective and fluent use of Stata as a language. Advice and detailed examples cover the commands, devices, habits, tricks, tactics, and strategies that make problem solving easier for the Stata user.

TIPS

Stata tips are very concise notes about Stata commands, features, or tricks that you may not yet have encountered. A tip draws attention to useful details about Stata or how to use Stata. Tips are brief—usually one or two printed pages. We welcome submissions of tips from readers, as well as suggestions for the kinds of tips you would like to see.

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