

THE STATA NEWS

Volume 24, Number 1

January/February/March 2009

www.stata.com



Stata Conference DC 09 announced. See page 6.

New from Stata Press



Title: *An Introduction to Stata Programming*
Author: Christopher F. Baum
Publisher: Stata Press
Copyright: 2009
Pages: 362; paperback
ISBN-10: 1-59718-045-9
ISBN-13: 978-1-59718-045-0
Price: \$54.00

Christopher F. Baum's *An Introduction to Stata Programming* is worthwhile for anyone wanting to learn about programming in Stata. For the beginner, Baum assumes only that the user is familiar with Stata, and so he builds up accordingly. For the more advanced Stata programmer, the book introduces Stata's Mata programming language and provides optimization tips for day-to-day work. All readers will find better, new ways to approach old tasks.

Baum steps the reader through the three levels of Stata programming. First up are do-files. Though often thought of as simple batch files, do-files support both loops and conditional execution, and hence can be used for automation as well as reproducibility. While giving examples of do-file programming, Baum introduces useful but often-overlooked Stata constructions.

Next come ado-files, which are used to extend Stata by creating new commands that share the syntax and behavior of official commands. Baum gives an example of how to write a simple additional command for Stata, complete with documentation and certification. After writing the simple command, users can then learn how to write their own custom estimation commands by using both Stata's built-in numerical maximum-likelihood estimation routine, `ml`, and its built-in nonlinear least-squares routines, `nl` and `nlSUR`.

CONTINUED ON PAGE 2

Also recently released by Stata Press

The Workflow of Data Analysis Using Stata
J. Scott Long

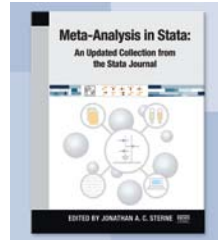
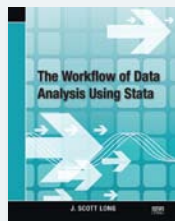
Pages: 379; paperback

ISBN-13: 978-1-59718-047-4

Price: \$52.00

Find out more at

www.stata-press.com/books/wdaus.html



Title: *Meta-Analysis in Stata: An Updated Collection from the Stata Journal*
Editor: Jonathan A. C. Sterne
Publisher: Stata Press
Copyright: 2009
Pages: 259; paperback
ISBN-10: 1-59718-049-1
ISBN-13: 978-1-59718-049-8
Price: \$39.00

Stata has some of the best statistical tools available for doing meta-analysis. The unusual thing about those tools is that none of them are part of official Stata, so you will not find them in the Stata documentation. They are all contributed and documented by researchers in the field who also happen to be proficient Stata developers.

Meta-analysis allows researchers to combine results of several studies into a unified analysis that provides an overall estimate of the effect of interest and to quantify the uncertainty of that estimate. This collection of articles from the *Stata Journal* makes the work of 21 authors available in one collection. Previously, you had to dig through many *Stata Journal* articles (and older *Stata Technical Bulletin* inserts) to find all the programs. No more! All the articles are now in one volume, and the associated commands can be installed at one time.

This is not merely a retrospective collection. Editor Jonathan Sterne convinced over half the authors to update their software and articles for the collection, resulting in a much more cohesive volume. The programs have a more unified syntax than in their original forms and, among the commands that draw graphs, almost all now produce modern Stata graphs—they can even be edited in the Graph Editor.

CONTINUED ON PAGE 2

Inside this issue:

New from Stata Press	1
64-bit Stata 10 for Mac now available	2
From the Stata Bookstore	2
2009 Mexico Stata Users Group meeting	4
2009 German Stata Users Group meeting	5
Stata Conference DC 09	6
2009 UK Stata Users Group meeting	7
NetCourse schedule	7

THE STATA NEWS is published four times a year and is free to all registered users of Stata.

La presente edición de Las Noticias de Stata en español está disponible en la siguiente dirección de Internet:
www.stata.com/news/newse.html

An Introduction to Stata Programming

CONTINUED FROM PAGE 1

Finishing up the book are two chapters on programming in Mata, which is Stata's matrix programming language. Mata programs are integrated into ado-files to build custom estimation routines optimized for speed and numerical stability. While stepping through these structures, Baum weaves in the details that are needed to become an expert at Stata programming, so readers will also learn more about Stata itself while learning the tools for programming.

Baum approaches each topic by first explaining the background and need for the topic, then looking at the basic usage and examples, and finally examining use within larger, more applied "cookbook" examples. Many of his examples come from questions posed on the Statalist listserver, so they address complexities of interest to a broad range of Stata users. The programming examples cover an array of topics, illustrate some of Stata's built-in tools (such as the resampling techniques of bootstrapping and jackknifing), and offer solutions to tricky data-management questions.

The breadth and depth of this book make it a necessity for anyone interested in programming in Stata.

You can find the table of contents and online ordering information at www.stata-press.com/books/isp.html. You can also order using the enclosed Bookstore Order Form.

Meta-Analysis in Stata: An Updated Collection from the Stata Journal

CONTINUED FROM PAGE 1

In his opening comments and the introductions to each section, Sterne relates how the articles tie together and how they fit in the overall literature of meta-analysis. He organizes the collection into four areas: classic meta-analysis, meta-regression, graphical and analytic tools for detecting bias, and recent advances such as meta-analysis for dose-response curves, diagnostic accuracy, multivariate analyses, and studies containing missing values. The collection addresses both common and complex methods for conducting a meta-analysis, including implementations of contemporary advances that will help keep the reader up to date.

The collection includes 16 articles and 15 new Stata commands for meta-analysis. The articles cover topics ranging from standard and cumulative meta-analysis and forest plots to contour-enhanced funnel plots and nonparametric analysis of publication bias. In their articles, the authors present conceptual overviews of the techniques, thorough explanations, and detailed descriptions and syntax of new commands. They also provide examples using real-world data. In short, this collection is a complete introduction and reference for performing meta-analyses in Stata.

You can find the table of contents and online ordering information at www.stata-press.com/books/mais.html. You can also order using the enclosed Bookstore Order Form.

64-bit Stata 10 for Mac now available

You can download, install, and use 64-bit Stata today. This includes Stata/IC, Stata/SE, and Stata/MP.

The 64-bit version is available for free to existing Stata 10 for Mac users.

64-bit Stata for Mac runs 10 to 15 percent faster than the 32-bit version, and 64-bit Stata breaks the 2GB memory barrier. You are limited only by the total amount of memory on your machine.

64-bit Stata requires an Intel-based Mac with a 64-bit processor and Mac OS X 10.5 (Leopard). To determine if your Mac has a compatible 64-bit processor, select "About this Mac" from the Apple menu. If the Processor line contains Intel Xeon or Intel Core 2 Duo, your Mac is compatible with 64-bit Stata. Early Intel-based Macs with Core Duo processors have 32-bit processors and are not compatible. 64-bit Stata is not available for PowerPC-based Macs.

To upgrade to 64-bit Stata, go to

www.stata.com/support/updates/stata10/mac64/

and follow the instructions. You do not need a new license; your existing Stata 10 for Mac license will work with 64-bit Stata for Mac.

From the Stata Bookstore

Title: *Statistical Modeling for Biomedical Researchers, Second Edition*

Author: William D. Dupont

Publisher: Cambridge University Press

Copyright: 2009

Pages: 542

Paperback:

ISBN-10: 0-521-61480-5

ISBN-13: 978-0-521-61480-1

Price: \$64.00

Hardcover:

ISBN-10: 0-521-84952-7

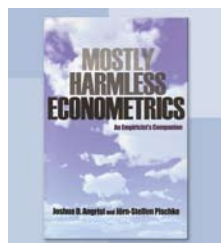
ISBN-13: 978-0-521-84952-4

Price: \$140.00

William Dupont's *Statistical Modeling for Biomedical Researchers, Second Edition* is ideal for a one-semester graduate course in biostatistics and epidemiology. Dupont assumes only a basic knowledge of statistics, such as that obtained from a standard introductory statistics course. Stata is used extensively throughout the text, making it possible to introduce computationally complex methods with little or no higher-level mathematics. As a result, Dupont focuses on concepts and model assumptions, rather than on the underlying mathematics. The text covers linear regression, logistic regression, Poisson regression, survival analysis, and analysis of variance. Two chapters are devoted to each topic: an introductory chapter that uses simple data to develop the concept and a more advanced chapter devoted to explaining more complex models, case studies, diagnostic measures, etc.

Dupont pays equal attention to the methods and to using Stata to apply them. When Stata output is displayed, the most important elements of the output are highlighted and explained in notes that follow the output. These notes help the reader make sense of the output by providing the appropriate focus for the problem at hand. The notes also include instructions for reproducing the analysis via Stata's point-and-click user interface. The text, replete with examples featuring real medical data, uses Stata graphics extensively, providing ample explanation and detail for reproduction.

You can find the table of contents and online ordering information at www.stata.com/bookstore/snbr.html. You can also order using the enclosed Bookstore Order Form.



Title: *Mostly Harmless Econometrics: An Empiricist's Companion*
 Authors: Joshua D. Angrist and Jörn-Steffen Pischke
 Publisher: Princeton University Press
 Copyright: 2008
 Pages: 392; paperback
 ISBN-10: 0-691-12035-8
 ISBN-13: 978-0-691-12035-5
 Price: \$28.00

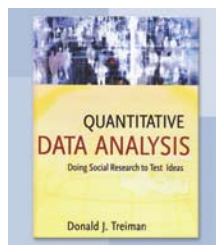
All graduate students and researchers should read *Mostly Harmless Econometrics: An Empiricist's Companion*, by Joshua D. Angrist and Jörn-Steffen Pischke. This instructive and irreverent romp through microeconometrics is as much of a page turner as we are likely to see in a book about statistical methods.

Angrist and Pischke provide an excellent introduction to microeconometrics from the potential-outcomes approach. They advocate using the potential-outcomes approach as the method to identify and interpret causal effects, which can be estimated by the methods discussed in the book. The authors provide many examples of how this approach has been applied in recent empirical work and closely link these empirical papers to the methods discussed.

The book covers ordinary least squares, generalized least squares, instrumental variables, panel-data estimators, regression-discontinuity methods, quantile regression, and standard-error estimation. Maximum-likelihood methods are not discussed in detail; in fact, Angrist and Pischke argue that simple regression methods frequently provide more robust estimators of the causal effects of interest in cases where maximum-likelihood methods are traditionally used.

This book will be required reading; methods experts and practitioners are already discussing its pros and cons. Fortunately, Angrist and Pischke have made this book as entertaining as it is informative.

You can find the table of contents and online ordering information at www.stata.com/bookstore/mhe.html. You can also order using the enclosed Bookstore Order Form.



Title: *Quantitative Data Analysis: Doing Social Research to Test Ideas*
 Author: Donald J. Treiman
 Publisher: Jossey-Bass (a Wiley imprint)
 Copyright: 2009
 Pages: 480; paperback
 ISBN-10: 0-470-38003-9
 ISBN-13: 978-0-470-38003-1
 Price: \$62.00

Quantitative Data Analysis, by Donald J. Treiman, is a well-written demonstration of how to answer questions using statistics. While the preface states that the book is “designed for a course to be taken after a first-year graduate statistics course in the social sciences”, the thought processes and techniques illustrated are useful and interesting to a much wider audience. The range of techniques is broad, ranging from simple advice for making tables readily readable through linear and logistic regression to log-linear and random-effects models.

Treiman writes using clear, precise language. This style makes the book accessible to readers from many fields and especially worthwhile to statistical consultants or others who work with clients of different backgrounds. The book is highly applied—the examples stem from published papers with real datasets. Many of the examples stem from Treiman's long history of research in applied sociology, yet these examples are still interesting and approachable to those outside the field. The main material is nicely supplemented with “callouts” containing biographical and historical background information, as well as tips on Stata usage. Treiman also takes the time and effort to explain how to avoid common pitfalls of data analysis.

Because this is an applied book, there is little derivation of the mathematics behind the statistical techniques. This is not a drawback, though, because Treiman includes references and a large bibliography, which can be followed by those curious about statistical theory. Stata was used for the computation of all statistical results, and all the Stata do-files (Stata code) and datasets are available from the web. (In the book itself there is advice about how to use Stata for some analyses, but there is no explicit Stata code.)

Quantitative Data Analysis is worth a look for those wanting to see the applications of a wide variety of statistical techniques to a variety of problems or for those who are interested in the thought process behind assessing the results of techniques.

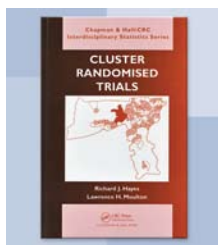
You can find the table of contents and online ordering information at www.stata.com/bookstore/qda.html. You can also order using the enclosed Bookstore Order Form.

Visit us at SSC 2009

Vancouver: May 31–June 3

The Statistical Society of Canada will have its annual meeting in Vancouver, BC, from May 31 through June 3. For more information, go to www.ssc.ca/2009/index_e.html.

Stata representatives, including Roberto G. Gutierrez, Director of Statistics, will be available at the Stata booth to answer your questions about all things Stata. Stop by and visit with the people who develop and support the software.



Title: *Cluster Randomised Trials*
 Authors: Richard J. Hayes and Lawrence H. Moulton
 Publisher: Chapman & Hall/CRC
 Copyright: 2009
 Pages: 315; hardcover
 ISBN-10: 1-58488-816-4
 ISBN-13: 978-1-58488-816-1
 Price: \$75.00

The cluster randomized trial (CRT) is the “gold standard” for evaluating the effectiveness of medical interventions because

- One can assemble treatment and control groups that are similar in every attribute, both measurable and unmeasurable, with only the treatment differing between groups
- The control group is followed contemporaneously with the treatment group, making CRTs robust to outcome variations over time
- Randomizing treatment allocations provides further protection from confounding
- Allocating subjects as clusters provides both convenience and protection from contamination between treatment arms

Cluster Randomised Trials describes in detail the aspects of CRT designs and the analysis of data from such trials. After presenting some basic concepts, Hayes and Moulton focus on the clustering aspect of the design. They cover between- and within-cluster variability and correlation, advantages and disadvantages of clustering, choosing clusters to minimize bias and contamination, and other related topics. Middle chapters deal with matching, stratification, randomization procedures, and sample-size calculations. The authors then focus on statistical analysis, with the discussion including calculations of rate differences and rate ratios, *t* tests for means, nonparametric tests of equality between treatment groups, Cox regression, logistic regression, Poisson regression, and mixed-effects models. The authors close with miscellaneous topics, such as the ethical considerations of randomization and establishing stopping rules.

All analyses are performed in Stata, and the data used are freely available, making the analyses easy to reproduce.

You can find the table of contents and online ordering information at www.stata.com/bookstore/crt.html. You can also order using the enclosed Bookstore Order Form.

Also recently released by Stata Press

Data Analysis Using Stata, Second Edition
 Ulrich Kohler and Frauke Kreuter

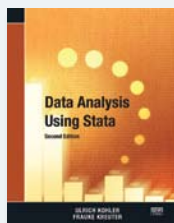
Pages: 388; paperback

ISBN-13: 978-1-59718-046-7

Price: \$52.00

Find out more at

www.stata-press.com/books/daus2.html.



2009 Mexico Stata Users Group meeting

Date: Thursday, April 23, 2009

Venue: Universidad Iberoamericana, Mexico City campus
 Prolongación Paseo de la Reforma 880, Lomas de Santa Fe
 México C.P. 01219, Distrito Federal, México

	Price	Student price
Meeting	1,200 pesos	600 pesos

Information: www.stata.com/meeting/mexico09/

The first Mexican Stata Users Group meeting will be held in Mexico City at the Universidad Iberoamericana (www.uia.mx). The meeting is open to all interested, either from Mexico or abroad. The meeting will be bilingual with no translations of any kind. Presentations will be delivered in either English or Spanish according to the preference of the presenter.

StataCorp will be represented. The meeting will include the usual “Wishes and grumbles” session where you may air your thoughts to Stata developers. View the program online at www.stata.com/meeting/mexico09/.

Program

Decomposition of the Gini coefficient using Stata

Alejandro López Feldman, *Economics Department, Universidad de Guanajuato*

Stata in the measurement and analysis of poverty in Mexico

Héctor H. Sandoval, Rodrigo Aranda Balcazar, and Martín Lima, *Consejo Nacional de Evaluación de la Política de Desarrollo Social*

A review of Stata SVAR modeling capabilities

Armando Sánchez Vargas, *Institute for Economic Research, UNAM*

Multilevel modeling of ordinal responses

Sophia Rabe-Hesketh, *University of California–Berkeley*

Dealing with the cryptic survey: Processing labels and value labels with Mata

Alfonso Miranda, *Institute of Education, University of London*

Some improved Stata ado-files for nonparametric smoothing procedures

Isaías H. Salgado Ugarte, *FES Zaragoza, UNAM*

Cointegrating VAR models and probability forecasting in Stata

Gustavo Sánchez Bizot, *Senior Statistician, StataCorp*

Determinants and consequences of property tax collection in Mexico

Daniel Broid, *Secretaría de Hacienda y Crédito Público (SHCP)*

Predicting counterfactual densities with the DFL ado-file: A pertinent constructive critique

Luis Huesca, *Economics Department, CIAD*

Analysis of micro data from ENIGH using Stata

Juan Francisco Islas Aguirre, *Economics Division, CIDE*

Reproducible research: Weaving with Stata and StatWeave

William Rising, *Director of Educational Services, StataCorp*

Scientific organizers

- Alfonso Miranda, *University of London*
- Isaías H. Salgado Ugarte, *UNAM*

Logistics organizer

MultiON Consulting is a certified distributor of Stata in Mexico. Visit the MultiON Consulting web site at www.multion.com.mx.

Eder Gómez

Marketing

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+52 (55) 55 59 40 50 Ext. 160

Call free only in Mexico: 01800 MULTION

Registration and information

Visit www.multion.com.mx/eusmex/home.php to register.

2009 German Stata Users Group meeting

Date: Friday, June 26, 2009

Venue: IZA (Institute for the Study of Labor)

Schaumburg-Lippe-Str. 7 / 9

D-53113 Bonn

Germany

	Price	Student price
Meeting	€35	€15
Optional dinner	TBA	

Information: www.stata.com/meeting/germany09/

The seventh German Stata Users Group meeting will be held at the IDSC of IZA at the IZA Bonn on June 26, 2009. Anyone interested in Stata is invited to attend.

We are very delighted that Nicholas J. Cox and Austin Nichols have accepted our invitation to attend the meeting as international guest speakers. Nick Cox is coeditor of the *Stata Journal*; is an author of a regular column, "Speaking Stata"; and is well known to Stata users as a programmer of many Stata packages. Austin Nichols is an economist at the Urban Institute in Washington, DC, who has made important contributions to the problem of causal inference with observational data. The presentations of the international keynote speakers will be the following:

- Between tables and graphs: A tutorial (N. J. Cox)
- Causal inference with observational data: Regression discontinuity and other methods in Stata (A. Nichols)

Among the other presentations is an introduction to programming with Mata by Christopher F. Baum, author of *An Introduction to Stata Programming*.

We also requested presentations on topics that include

- user-written Stata programs,
- case studies of research or teaching using Stata,
- discussions of data-management problems,
- reviews of analytical issues, and
- surveys or critiques of Stata facilities in specific fields.

The conference language will be English because of the international nature of the meeting and the participation of non-German guest speakers.

A preliminary program will be circulated in April 2009. The final program will be circulated in May 2009.

Scientific organizers

- Nikos Askitas, *IZA*
- Johannes Giesecke, *Humboldt-Universität zu Berlin*
- Ulrich Kohler, *Wissenschaftszentrum Berlin*

Logistics organizer

The logistics are being organized by Dittrich and Partner (www.dpc.de), the certified distributor of Stata in several countries including Germany, The Netherlands, Austria, Czech Republic, and Hungary.

Registration and information

Please travel at your own expense. The conference fee will cover costs for coffee, teas, and luncheons. There will also be an optional informal meal at a restaurant in Bonn on Friday evening at additional cost.

You can enroll by contacting Anke Mrosek (anke.mrosek@dpc.de) by email or by writing, phoning, or faxing

Anke Mrosek

Dittrich & Partner Consulting GmbH

Kieler Str. 17

42697 Solingen

Germany

Tel: +49 (0) 212 260 66 24

Fax: +49 (0) 212 260 66 66

Also recently released by Stata Press

Microeconometrics Using Stata

A. Colin Cameron and Pravin K. Trivedi

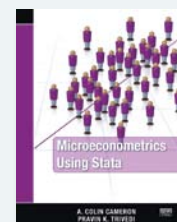
Pages: 692; paperback

ISBN-13: 978-1-59718-048-1

Price: \$65.00

Find out more at

www.stata-press.com/books/mus.html.



Stata Conference DC 09



Mark your calendar now for the 2009 Stata Conference in Washington, DC, on July 30 and 31. The conference will be your best chance to meet with other Stata users and your only chance this year to talk with Stata developers at a meeting in the United States.

The Stata Conference is the successor to the North American Users Group meetings and will retain the core of those meetings—presentations by users on a wide range of subjects. The new conference format includes overviews and tutorials presented by StataCorp developers in addition to user contributions. There have been 10 North American meetings in the last 9 years. You can see the programs and proceedings of those meetings at www.stata.com/meeting/proceedings.html.

StataCorp developers attending the Conference include David Drukker, Director of Econometrics; Jeff Pitblado, Associate Director of Statistical Software and Head of Survey Statistics; and Bill Rising, Director of Educational Services. David Drukker will give two seminars. The first will be on multivariate time series and the second on easy approaches to GMM (generalized method of moments) in Stata. Jeff Pitblado will also be giving two seminars, one involving an overview of survey statistics in Stata and the other detailing how to handle categorical covariates gracefully. Bill Rising will be providing tips and tricks on integrating the Stata interface into your workflow. All members of the Stata team will be available during breaks and evening social functions.

Invited guest Nicholas J. Cox—coeditor of the *Stata Journal*, author of the column “Speaking Stata”, prolific Stata programmer, and assiduous participant on Statalist—is coming from Durham University, United Kingdom. He will show how to combine text labels and numeric values to produce more informative graphs. You will learn to make Stata graphs you never thought possible.

Michael Lokshin, senior economist at the World Bank, will discuss using Stata in large-scale development and deployment. He will do this in the context of the ADePT (Automated DEC Poverty Tables) system—a program developed by the World Bank and used by researchers in the World Bank as well as several universities and think tanks. (www.worldbank.org/adept/)

The presentations will be organized into several topic sections. One section, being organized by Frauke Kreuter from the Joint Program in Survey Methodology at the University of Maryland and coauthor of the book *Data Analysis Using Stata*, will include discussions on survey statistics.

Scientific Committee

Austin Nichols, *Urban Institute*, chair
 Michael Lokshin, *World Bank*
 Frauke Kreuter, *University of Maryland*

In addition to serving as chair of the Scientific Committee, Austin Nichols of the Urban Institute and author of the forthcoming Stata Press

book tentatively titled *Causal Inference: Measuring the Effect of x on y* has been invited by StataCorp to give a presentation on causal inference with observational data.

The conference hotel is the Hotel Monaco, www.monaco-dc.com. It is in an excellent location in Washington, DC—just steps from the White House, the Capitol Building, and the museums on the Mall.

For hotel reservations, call 877-202-5411 and mention the Stata Conference to receive the special rate of \$209 per night.

Dates: Thursday and Friday, July 30–31, 2009

Venue: Hotel Monaco, Washington, DC
 700 F St. NW
 Washington, DC 20004
 USA

	Price	Student price
Single day	\$125	\$50
Both days	\$195	\$75
Optional dinner	TBA	

(Hotel rooms available for \$209 per night)

Register: www.stata.com/meeting/dconf09/

Go to www.stata.com/alerts/ and check the box for “Conferences and Users Group meetings” to receive updates about the conference and to be notified when the program is finalized.



Capitol Building with tulips

2009 UK Stata Users Group meeting

Dates: Thursday and Friday, September 10–11, 2009

Venue: Cass Business School

106 Bunhill Row

London EC1Y 8TZ, UK

www.cass.city.ac.uk

	Price	Student price
Single day	£50	£35
Both days	£75	£50
Optional dinner	TBA	

Information: www.stata.com/meeting/uk09/

The London meeting is the longest-running series of Stata user meetings. The meeting is open to all interested; in past years, participants were from Britain, Ireland, other European countries, the United States, and Australia. StataCorp will be represented.

Presentation topics might include

- discussion of user-written Stata programs,
- case studies of research or teaching using Stata,
- discussion of data-management problems,
- reviews of analytical issues, or
- surveys or critiques of Stata facilities in specific fields.

Please email the scientific organizers before May 31, 2009, if you are interested, indicating whether you wish to give

- a 20-minute talk (followed by a 10-minute discussion),
- a 10-minute talk (followed by a 5-minute discussion), or
- a longer review or tutorial (about an hour).

The meeting will include the usual “Wishes and grumbles” session, during which you may air your thoughts to Stata developers, and (at additional cost) the option of an informal meal at a London restaurant on Thursday evening.

Please send submissions to the scientific organizers before May 31, 2009.

Scientific organizers

- Stephen Jenkins, *University of Essex*
- Roger Newson, *Imperial College London*

Logistics organizer

Timberlake Consultants, distributors of Stata in the United Kingdom, Brazil, Ireland, Poland, Portugal, and Spain.

Registration and information

Web: www.timberlake.co.uk/stata/Request_forms/stataug_form.html

Email: info@timberlake.co.uk

Tel: +44 (0)20 8697 3377

Fax: +44 (0)20 8697 3388



London City Hall

NetCourse™ schedule

Stata NetCourses are a convenient, inexpensive, web-based way to learn how to exploit the full power of Stata. Courses are divided into a series of lectures that are posted to the web site each Friday, and participants can post questions and comments to a discussion board. We also offer NetCourseNow, a way for you to choose the time and pace of your NetCourse.

Enroll by visiting www.stata.com/netcourse/, or use the enclosed order form.

NC101: Introduction to Stata

Content: An introduction to using Stata interactively

Prerequisites: Stata 10

Course leaders: Theresa Boswell, Kerry Kammire, Jennifer Rolfes

Course length: 6 weeks (4 lectures)

Dates: July 10–August 21, 2009

Enrollment deadline: July 9, 2009

Price: \$95

Course syllabus: www.stata.com/netcourse/nc101.html

NC151: Introduction to Stata Programming

Content: An introduction to Stata programming dealing with what most statistical software users mean by programming, namely, the careful performance of reproducible analyses

Prerequisites: Stata 10; basic knowledge of using Stata interactively

Course leaders: Theresa Boswell, Kerry Kammire, Jennifer Rolfes

Course length: 6 weeks (4 lectures)

Dates: July 10–August 21, 2009

Enrollment deadline: July 9, 2009

Price: \$125

Course syllabus: www.stata.com/netcourse/nc151.html

NC152: Advanced Stata Programming

Content: This course teaches you how to create and debug new commands that are indistinguishable from those of official Stata. It is assumed that you know why and when to program and, to some extent, how. You will learn how to parse both standard and nonstandard Stata syntax by using the intuitive `syntax` command, how to manage and process saved results, how to process by-groups, and more.

Prerequisites: Stata 10; course content of NetCourse 151 or equivalent knowledge

Course leaders: Theresa Boswell, Kerry Kammire, Jennifer Rolfes

Course length: 7 weeks (5 lectures)

Dates: October 9–November 27, 2009

Enrollment deadline: October 8, 2009

Price: \$150

Course syllabus: www.stata.com/netcourse/nc152.html

NC461: Introduction to Univariate Time Series with Stata

Content: This course introduces univariate time-series analysis, emphasizing the practical aspects most needed by practitioners and applied researchers. The course is written to appeal to a broad array of users, including economists, forecasters, financial analysts, managers, and anyone who encounters time-series data.

Prerequisites: Stata 10; course content of NetCourse 101 or equivalent knowledge; familiarity with basic cross-sectional summary statistics and linear regression

Course leaders: Brian Poi, Gustavo Sanchez

Course length: 7 weeks (4 lectures plus an overview of multivariate methods)

Dates: October 9–November 27, 2009

Enrollment deadline: October 8, 2009

Price: \$295

Course syllabus: www.stata.com/netcourse/nc461.html

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