

Washington Statistical Society - Short Course Announcement

The Analysis of Cross-Classified Categorical Data

September 27-28, 2007

Registration Due By September 17, 2007

Statistical methods for the analysis of categorical data in the form of contingency tables were transformed by the development of log-linear model methods in the 1960s and 1970s when computation via maximum likelihood estimation became not only feasible but widely accessible via the major statistical packages. This two day short course is based on materials from an M.S. level course taught at Carnegie Mellon and will introduce participants to log-linear models and methods for fitting them to multi-dimensional contingency tables. The material will include the use of graphical models and their interpretation, and the applicability of the methodology to large sparse tables.

Who Should Attend: Participants should have background in basic statistical theory and some familiarity with two-dimensional tables. The course will presume participants have access to computer programs in such systems as R, S-plus, and SAS, and to MIM, a freely available PC-based program for graphical models. The lectures will use output from such programs but no training in their use will be provided.

About the instructor: Stephen E. Fienberg is Maurice Falk University Professor of Statistics and Social Science at Carnegie Mellon University, with appointments in the Department of Statistics, the Machine Learning Department, and Cylab. He is a co-author of *Discrete Multivariate Analysis* and the *Analysis of Cross-Classified Categorical Data*, both Citation Classics originally published by MIT Press and reprinted by Springer-Verlag this summer and he continues to publish widely on categorical data topics. He is a member of the National Academy of Sciences, and a fellow of the Royal Society of Canada, the American Academy of Arts and Sciences, and the American Academy of Political and Social Science. He served as ASA Vice-President, IMS President, and was a recipient of the COPSS' Presidents' Award and the ASA's Samuel S. Wilks Award.

Text: Stephen E. Fienberg *The Analysis of Cross-Classified Categorical Data*. 2nd Edition. Reprinted by Springer-Verlag, 2007. (Included with registration fee along with updated lecture notes.)

Schedule for Course: The course will be held over two days September 27 and 28. Registration will begin at 8:30 AM on Day 1 and the class will run from 9 AM to 4:30 PM both days. There will be coffee and Danish in the morning before class both days and at the morning break, with beverages and cookies in the afternoon. Lunch will also be provided both days.

Location:

American Statistical Association (near Braddock Road Metro stop)
732 N. Washington St.
Alexandria, VA 22314

Registration Fee: (Please send registration form along with payment to Brenda Boateng by September 17, 2007). Class size will be limited, so please register early.

Full-time students (Provide copy of student ID with registration—only 5 student slots available)	\$ 70
WSS members	\$ 225
All other registrants	\$ 275

For more information on this course, please contact the WSS short-course co-chairs:

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