

ANALYSING DATA FROM SAMPLE SURVEYS

A two-day short course sponsored by the University of Maryland Statistics Consortium
and the Joint Program in Survey Methodology

NOVEMBER 17-18, 2005

Presented at the University of Maryland, College Park

ALASTAIR SCOTT

University of Auckland, New Zealand

INSTRUCTOR

Alastair Scott is a professor emeritus in the Department of Statistics at the University of Auckland, New Zealand. Professor Scott has been in the faculty of the University of Auckland since 1972 and served as the Head of its Statistics Department during 1990-97. Prior to joining Auckland, he was a faculty member at the London School of Economics. Professor Scott is a Fellow of the Royal Society of New Zealand, American Statistical Association, Royal Statistical Society, Institute of Mathematical Statistics, and an elected member of the International Statistical Institute. Professor Scott served in many important positions in different professional societies and associations. He served as the Scientific Secretary of the International Association of Survey Statisticians, a member of the Board of Directors of American Statistical Association, and the President of the New Zealand Statistical Association. Professor Scott's main research interest is in sample surveys and medical statistics and authored or co-authored numerous articles, including the landmark paper on the Rao-Scott correction to the chi-squared tests for categorical data.

COURSE OUTLINE

1. Introduction: What is special about survey data?
2. Review of basic theory for means and totals
3. Variance estimation for more complex statistics
4. Weighting
5. Linear and logistic regression
6. Contingency tables
7. Imputation and other issues

The instructor will mainly use his notes. But from time to time materials from the following book will be taken:

E.L. Korn & B.I. Graubard, Analysis of Health Surveys, Wiley, 1999

TENTATIVE SCHEDULE

THURSDAY, November 17, 2005

Session 1: 9:00-10:15

Break: 10:15-10:30

Session 2: 10:30-11:45

Lunch: 11:45 – 12:45

Session 3: 12:45-2:00

Break: 2:00-2:15

Session 4: 2:15-3:30

Break

Session 5: 3:45-5

FRIDAY, November 18, 2005

Session 6: 8:30-9:45

Break

Session 7: 10:11:30

LOCATION

The course will be held at the University of Maryland Inn & Conference Center, College Adelphi, Maryland. It is located on University Boulevard (Route 193) at Adelphi Road, adjacent to the College Park campus of the University. Convenient parking in the UMUC garage is included in the registration fee. For hotel room reservations, call the Conference Center at (800) 228-9290.

FEES & COURSE MATERIALS

The registration fee is **\$730** for participants and **\$550** for staff at sponsoring agencies and affiliates (see www.jpsm.umd.edu) and full-time university students (with supervising faculty advisor's signature). Lunches and refreshments are included in the fee.

REGISTRATION

Please register via FAX (301-314-7912) or EMAIL

(rjethwa@survey.umd.edu). If faxing please call 301-314-7912 to notify registration is being faxed.

Please include following information at time of registration:

* First Name: * Last Name:

Agency/Bureau/Firm/School: Important - Please enter if applicable
(to appear on badge)

Department: Important - Please enter if applicable

* Street Address:

Street Address 2:

* City: * State: * Zip Code:

* Phone Number: Ext.:

Fax Number:

* E-Mail Address:

* Student Type: To receive the sponsor/affiliate rate you must be a regular employee of the sponsor or affiliate.

Sponsor/Affiliate:

Credit card number:

* Expiration date:

* Name as it appears on card:

* E-mail address of card holder:

* Phone number of card holder:

Fax number of card holder:

* Address of card holder:

REGISTRATION

Email or Fax registration is required. Confirmation of registration and instructions will be sent after the registration form has been processed. Registration is not firm until you receive a confirmation letter. Payment by credit card is required. Please note confirmation number. Registration and Payment deadline is **NOVEMBER 3, 2005**. Payment is due by **NOVEMBER 3, 2005** or the registration will be cancelled. Please notify JPSM as soon as possible if you need to cancel your registration. Cancellation after **NOVEMBER 3, 2005** is subject o the full fee amount.

CANCELLATION

Please notify JPSM as soon as possible if you need to cancel your registration. You will receive a full reimbursement if you cancel on or before **NOVEMBER 2, 2005**. If you cancel during the

period **NOVEMBER 3 - 9, 2005** you will be charged a **\$100** administrative fee; the remainder of your course fee will be reimbursed. No reimbursements will be made for cancellations received on or after **NOVEMBER 10, 2005**.

INQUIRIES

For information on this short course contact JPSM at 301-314-7911, fax 301-314-7912; or e-mail shortcourse@survey.umd.edu
Statistics Consortium Web Page: <http://www.stat.umd.edu>
JPSM Home page: <http://www.jpsm.umd.edu/>