

- **Workshop**, “Regression Analysis” at the Center for Statistical Consultation and Research (CSCAR) at the University of Michigan, Ann Arbor, MI, May 17 & 18, 2007.

Regression Analysis

A CSCAR Workshop

Center for Statistical Consultation and Research, The University of Michigan

May 17 and 18, 2007

This workshop will provide participants with an overview of commonly used methods in simple linear regression and multiple linear regression. There will be both lecture and hands-on computer work, using SPSS. Topics will include: the basic regression model, model assumptions, interpretation of coefficients, significance testing, interactions between variables and the use and interpretation of dummy variables. Model checking methods, including residual plots, collinearity diagnostics, and influence plots will also be covered. Several methods for model selection, including all possible regressions and stepwise selection, will be included.

Instructors:

Ananda Sen is an Associate Research Scientist at CSCAR. He has extensive experience in survival analysis, industrial statistics, and reliability.

Kathy Welch is a Statistical Consultant and the primary SAS Consultant for CSCAR. Other CSCAR staff may assist in workshop.

Prerequisite:

A Windows instruction class or equivalent knowledge, a basic statistics course or CSCAR's workshop 'Statistics: A Review'.

Provisions:

The enrollee will receive lecture notes, a bibliography, and example computer package commands with output. Morning refreshments will be served. Break time for lunch (lunch not provided).

When:

Thursday and Friday, May 17 and 18, 2007
9:00 A.M. - 5:00 P.M.

Location:

Rackham Bldg, 2nd floor, North Alcove in the West Study Hall

Size:

Maximum of 15 participants.

Fee:**Registration until May 3, 2007:**

\$250 for University of Michigan affiliated faculty, staff and students
\$600 for others

Registration after May 3, 2007:

\$300 for University of Michigan affiliated faculty, staff and students
\$720 for others

Please make check payable to CSCAR-University of Michigan, or give the University of Michigan Project/Grant or short code to be billed. Send check to CSCAR, 3550 Rackham Bldg., University of Michigan, 915 E. Washington St., Ann Arbor MI 48109-1070.

Registration:

Call CSCAR (734) 764-7828. Enrollment is limited.