

Statistical Consulting Workshop  
Math 6330 - Spring 1995

**GOALS**

- To provide exposure to different types of situations requiring statistical consulting
- To offer opportunities to give/receive consulting advice (with the help of others)
- To learn other statistical tools you may not yet have encountered in your other classes

**TEXT**

Christopher Chatfield, *Problem Solving*, Chapman and Hall

**BASIC STRUCTURE OF COURSE**

- Weeks 0-1: Process of Consulting
  - Weeks 2-5: Statistical consulting in industry
  - Weeks 6-8: Report writing: data analysis projects
  - Weeks 9-11: Statistical consulting in the health sciences
  - Weeks 12-14: Final projects and presentations
- Drop-in consultations as they arise.

**COURSE REQUIREMENTS**

1. *Notebook*: Each student is expected to keep a log book of notes from each consulting session: Objective of study, problems, approach, methods, results, conclusions. This log will be collected at the end of the course. Your attention to the sessions and your ability to synthesize the important aspects of the consulting session will be evidence of good performance (20%).
2. *Class participation*: Each student is expected to participate in the class discussion by asking questions of the client about subject matter, as well as offer suggestions for alternative analyses (15%).
3. *Data analysis project -- due Wednesday, March 15* (one week before Spring break): Analysis of a data set of your choice, or choose one from the book (30%).
4. *Final project*: Consulting project based on a consulting experience, either your own or as suggested here in class, or see me (35%). Reports on these projects are due on Monday, May 6.

*For one unit*: Grading is based on requirements 1 and 2.

*For two units*: Grading is based on requirements 1, 2, and either 3 or 4.

*For three units*: Grading is based on all four requirements.

**INSTRUCTOR**

Professor K. Kafadar, Mathematics Department, Dravo 530C, 556-2547

Office Hours: MW 2-4 (or by appointment)