W4201: Advanced Data Analysis - Spring 2005

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TEXT:
1. Ramsey and Schafer, The Statistical Sleuth: A Course in Method of Data Analysis, Duxbury

RECOMMENDED:
5. Chatfield Analysis of Time Series
6. Selvin Practical Biostatistical Methods, Duxbury

BOOKS in Math Library:

GRADING:
Homework 30%
Midterm/Test 30%
Project 40% (No Final Exam.)

TOPICS:
- Exploratory Data Analysis
- Basic Parametric and Nonparametric Statistical Inference
- Linear Regression; Model Selection; Robust Regression
- Analysis of Variance/Covariance
- Generalized Linear Models
- Survival Analysis
- Time Series Analysis.

IMPORTANT DATES:
Midterm/Test 2: TBD
Final Project Due: May 3, 2005, by 5 PM