

ST 192: First Year Seminar in the Mathematical Sciences  
Spring 2001

**Instructor:** Richard A. Davis, 102A Statistics Building  
Jay Breidt, 201 Statistics Building

**Time:** 4:10-5:00, E206 Engineering

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**Web page:** <http://www.stat.colostate.edu/~rdavis/st192>

**Office hours:** TBA

**Required text:** None - Handouts will be distributed.

**References:**

*Statistics: A Guide to the Unknown*, edited by Judith M. Tanur  
*Statistics and Truth*, C. R. Rao

**Computing:** There will be some hands-on computing experience using a statistical computer package. The class will meet occasionally in the computer classroom, 206 Weber.

**Homework assignments:** There will be periodic homework assignments involving some computing, writing, and reading.

**Discussion sessions:** Practicing statisticians will be scheduled to discuss the various roles of statistics in real-world problems.

COURSE OUTLINE

I. Introduction

II. Records

III. The Binomial formula

IV. Fake data

V. Discovering authorship (Shakespeare and the Federalist papers)

VI. Sampling

VII. Simulation

VIII. Sports statistics

