

PSYB07 DATA ANALYSIS IN PSYCHOLOGY

Professor



Doug Bors

Office Hours Wednesday 10:00 to 12:00

Textbook Statistical Methods for Psychology (5th Edition) by David Howell

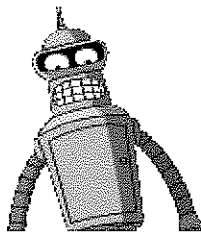
The TAs



Sonia



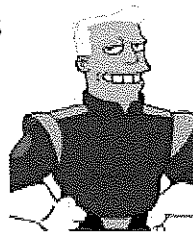
Blair



Jason



Bonnie



Ben

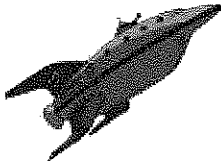


Gen



Evan

ANNOUNCEMENTS



Aug 25, 2005

There will be NO TUTORIALS the first week of class.

COURSE OVERVIEW

This course is designed to provide the student with the basic principles of data analysis for both descriptive and inferential statistics. In terms of descriptive statistics, our treatment will include measures of central tendency, measures of variability, regression, correlations, and graphic presentations. Regarding inferential statistics, our introduction will include Chi Square, t-tests, and Analysis of Variance (one-way designs). A working knowledge of elementary algebra is assumed.

Grading: Your final grade in the course will be based on quizzes (10%), a mid-term examination (40%), and a final examination (50%). There will be five in-class quizzes during the term. We will take your best four marks. The quizzes will be administered in class or tutotial without warning, so be prepared! The date for the mid-term will be posted and announced early in the term. The date for the final examination will be published by the registrar's office sometime during the term. Dates for Exams will be posted at the top of this page, once they have been scheduled

Make-Ups

Make-up quizzes are not given. Make-up tests are never given without a legitimate reason. The student is required to present a medical certificate, if a test is missed due to illness. The certificate must state that, in the physician's opinion, you are unable to write the test, not just that you were examined for a complaint. Do not phone or e-mail your instructor or TA concerning missed exams. Certificates are to be given to the invigilator at the time fo the make. Make-up mid-terms will be given at 5:00 pm on the Tuesday of the week following the original date of the exam. On the date of the make-up, the location of the exam will be posted on the office door (S-638) of Dr. Bors. If the make-up is also missed for legitimate reasons, a grade will be assigned on the basis of the student's relative performance on the final examination. Make-ups for final examinations are entirely at the discretion of the registrar's office.

TENTATIVE COURSE OUTLINE

| Week | Topic | Chapters |
|-------------|--|--------------------|
| 1 | Basic Concepts & Descriptive Statistics | 1 & 2 |
| 2 | Descriptive Statistics & Graphics | 2 |
| 3 | Distributions & Hypothesis Testing | 3 & 4 |
| 4 | Probability | 5 |
| 5 | Chi-Square | 6 |
| 6 | Linear regression & Correlations Coefficients | 9 |
| 7 | Correlations cont. | 9 |
| 8 | t-tests | 7 |
| 9 | t-test continued; Power | 7 & 8 |
| 10 | ANOVA :Independent samples: One-Way ANOVA | 11 |
| 11 | Testing slopes and correlations | 9 |
| 12 | Integration | All Covered |

LECTURE OVERHEADS