

PSYC08 DATA ANALYSIS IN PSYCHOLOGY

WINTER 2005

2006

Professor



Dr. Bors

Office Hours Wednesdays 10:00 to 12:00

Textbook

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

The TAs



Sonia



Jason



Blair



Bonnie



Evan

ANNOUNCEMENTS

Dates for Exams will be posted here once they have been scheduled

COURSE OVERVIEW

This course is designed to provide the student with the advanced principles of data analysis for both parametric and non-parametric analyses. In terms of parametric statistics, our treatment will focus on Analysis of Variance (ANOVA). In addition to the material covered in PSYB07, 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 at least five quizzes during the term. Your best four performances will be used for the quiz portion of your grade. The quizzes will be administered in tutorial 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.

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 of the make. Make-up mid-terms will be given at 5:00 pm on the Wednesday 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-634) 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

LECTURE OVERHEADS

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TENTATIVE COURSE OUTLINE

Week	Topic	Chapters
1	Review of Descriptive Statistics and Graphs	1 through 7
2	Introduction to ANOVA (testing homogeneity of variance)	11
3	One-Way between-subject designs	11
4	Power & Magnitude of Experimental Effect	8 & 11
5	Introduction to Multiple Comparisons	12
6	Introduction to Repeated Measures Designs	14
7	Multiple comparisons continued	14
8	Factorial Designs (between-subjects only)	13
9	Factorial Designs (Mixed designs)	13
10	Introduction to Multiple Regression	15
11	Non-Parametric Approaches	18
12	Integration	All Covered

LECTURE OVERHEADS