PSYB07

Fall 2004

The Mid-Term Examination will be held

on Saturday the 23rd of October at 11:30.

The room will be announced later.

The first Friday session with be

Friday October 1st.

Link for Assignment I for the

Tuesday Tutorials

Link for Assignment I for the

Thursday Tutorials

Instructor: Dr. Douglas A. Bors

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

T.A.s: TBA

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 (6%), assigments (4 %), a mid-term examination (40%), and a final examination (50%). There will be three in-class quizzes during the term. We will take your best two marks. There will be two assignments, the due dates will be announced at the time the assignments are made. The quizzes will be administered in class 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   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 Monday 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.

Dates for Exams will be posted at the top of this page, once they have been scheduled

Tentative Course Outline

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 cond.	9
8	t-tests	7
9	t-test continued; Power	7 & 8
10	ANOVA :Independent samples: One-Way ANOVA	11

Notes Available for Classroom Lectures

Here are the instructions for downloading and printing the overheads.

Step #1: Click on the link from the list that corresponds to the overhead you wish to view.

Step #2: A window opens asking what you wish to do with the file. Choose "open" and then click OK.

Step #3 Under the file tab, choose the PRINT option. Note that in the window that pops up there is a "PRINT WHAT?" field. If you choose not to print them as slides (the default), you might print them as "handouts", which will put several on a sinle page and still leave you space for writing notes.

Formula **Sheet**

Summation **: the rules of summation notation**

Paradox **: an example of contradictions in analyses**

BasicConcepts **: the basic concepts of the field**

Scales **: a numbers is not a numbers**

Central **Tendency : different types of averages**

Composite **Means**

Interquartile **Range**

Measures **of Spread**

Properties **of Estimators----- optional** derivation **of sample variance (n-1) as unbiased**

Degrees **of Freedom**