

PsyB07 – Fall 2014
Data Analysis in Psychology
Course Syllabus

Course Description

This course focuses on the fundamentals of the theory and the application of statistical procedures used in research in the field of psychology. Topics will range from descriptive statistics to simple tests of significance, such as chi-square & t-tests.

Instructor

Dr. Tim Cheng

Email: timmy.cheng@mail.utoronto.ca

Office: SW416

Office hours: Mondays 2-3pm or by appointments

Lecture

Location: SY110

Time: Wednesdays 2-5pm

Tutorial

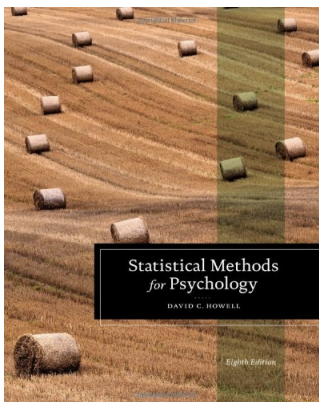
Location: SW316

Schedule & TAs information will be posted on the Blackboard page

Textbook

Statistical Methods in Psychology, 8th Edition

Author: David C. Howell



Tentative Course Outline

Week	Topic	Chapters
1	Introduction	
2	Basic Concepts	1
3	Descriptive statistics	2
4	Descriptive statistics, Graphing	2
5	Normal distribution	3
6	Probability	5
7	Hypothesis testing	4
8	t-tests	7, 8
9	t-tests	7, 8
10	Chi-square	6
11	Correlation & regression	9
12	Final Review	

SPSS (Statistical Package for the Social Sciences)

SPSS is a popular statistical analysis software among psychology researchers. Some basics of SPSS will be taught in the tutorials. You will have access to SPSS at your workstation, and you will be doing some hand-on exercises (You also have access to SPSS at the BV computer lab outside tutorial). Your knowledge will be tested in the midterm and final exams.

Grading

Final grade in the course will be based on

- Online homework (25%)
- Midterm exam (35%)
- Final exam (40%)

Online homework quizzes (25%):

There will be weekly online homework. Online homework will be posted after each lecture and are due before the next.

Midterm exam (35%):

The midterm exam will cover the materials from the first half of the course. The date for the midterm exam will be posted and announced early in the term.

Final exam (40%):

The final exam will be comprehensive but the focus will be on the materials from the second half of the course. The date for the final exam will be published by the registrar's office sometime during the term.

Make-up

Make-up homework will not be given.

Make-up midterm exam will only be given if appropriate documentation is provided. Students who miss the midterm exams are required to present a medical certificate if a test is missed due to illness. Certificates are to be given to the invigilator at the time of the make-up.

Deferred exam

UTSC sets the policies (not the course instructor) on deferring a final exam. You are allowed to defer your exam if you cannot write it, but you must follow the university's procedures to request a deferred final exam. Please see the following link for more information.

<http://www.utsc.utoronto.ca/~registrar/current_students/deferred_exams>

AccessAbility

Students with diverse learning needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please approach me and/or the AccessAbility Services Office as soon as possible. The UTSC AccessAbility Services staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations.

AccessAbility Service Office

Location: SW302

Tel: (416) 287-7560

Email: ability@utsc.utoronto.ca.