Statistical methods I

Instructor:	Richard Murray	rfm@yorku.ca
Teaching assistants:	Charles Leger	charlie9@yorku.ca
	Raha Sheivari	rahaa@yorku.ca
Lectures:	Tuesday and Thursday, 2:30-5:30, Curtis Lecture Hall E	
Office hours:	Tuesday, 1:30-2:30, BSB 072L	
	Thursday, 1:30-2:30, BSB 150C	

Textbooks:
1. OpenIntro Statistics (Diez et al., 2012)
2. Statistics in Plain English, third edition (Urdan, 2010)
   (available on two hour reserve at the Scott Library)

Website: www.yorku.ca/rfm/psyc2021

Evaluation: ten quizzes (10%); two tests (25% each); exam (40%)

Prerequisite: PSYC 1010 6.0, with a minimum grade of C

Midterm test and final exam. The midterm tests and the final exam will cover the lectures and the assigned readings. The first midterm will cover weeks 1-2, the second midterm will cover weeks 3-4, and the final exam will cover the entire course.

Quizzes. To encourage you to read the assigned sections of the textbook before each lecture, there will be a short quiz at the beginning of each class, beginning May 26. The quizzes will cover the textbook readings assigned for the class.

Meeting with the teaching assistants. You can meet with the teaching assistants during the office hours. If you cannot meet during the office hours, contact the teaching assistants to make alternate arrangements.

Policy on missed tests and quizzes. There will be no makeup tests or quizzes. If you provide suitable documentation for missing a test or quiz, you will have the weight of the missed test added to the weight of the final exam, and the weight of the missed quiz distributed amongst the remaining quizzes. Tests and quizzes missed without adequate documentation will be assigned a mark of zero.

Drop date. The last date to drop this course without receiving a grade is June 16.

LECTURE SCHEDULE

		topic	Urdan	Diez et al.
1a	19-May	data	chapter 1	sections 1.1 to 1.6.3
1b	21-May	probability		sections 2.1, 2.2 (but not 2.2.6)
2a	26-May	mean and variance	chapters 2, 3	sections 1.6.1 - 1.6.6
2b	28-May	distributions	chapter 4	sections 2.5, 3.4
3a	2-Jun	z scores; review	chapter 5	section 3.1
3b	4-Jun	standard errors; test 1	chapter 6	pp. 159-164
4a	9-Jun	statistical tests	chapter 7	sections 4.2, 4.3 (but not 4.2.6)
4b	11-Jun	t tests	chapter 9	sections 5.1-5.4
5a	16-Jun	correlation; review	chapter 8	pp. 315-323
5b	18-Jun	correlation; test 2	chapter 8	
6a	23-Jun	regression	chapter 13	pp. 324-330
6b	25-Jun	chi square; review	chapter 14	

Problem sets. One week before each test we will post a problem set on the course website. The problem set will have practice questions that you can answer to check your understanding of the topics we have covered. We will also post answers. The problem sets will not be marked, but modified versions of some questions may appear on the tests and exam.

Plagiarism. Evaluation in this course is completely based on in-class tests and quizzes, so questions regarding what constitutes plagiarism should not be difficult. Consult the Department of Psychology's undergraduate calendar for policy on plagiarism.

Letter grades. Final course marks will be converted to letter grades as follows.

90 – 100	A+	55 – 59.99	D +
80 – 89.99	A	50 – 54.99	D
75 – 79.99	B+	45 – 49.99	E
70 – 74.99	B	0 – 44.99	F
65 – 69.99	C+		
60 – 64.99	C		