PSYC 60 Introduction to Statistics   Tuesdays & Thursdays 6:30-7:50 PM Peter 110
Instructor: Kevin Dooley, Ph.D. kdooley@ucsd.edu   Thursdays 2-4 PM McGill 2109
TAs: Cara Buck: cbuck@ucsd.edu   Wednesdays 11-1, Mandler 2503 (Wed sections)
        Mike Claffey: mclaffey@ucsd.edu   Tuesdays 4-6, McGill 3340 (Tues sections)
        Jing Shen: j2shen@ucsd.edu   Fridays 10-12, McGill 1117 (Thurs sections)
        Cindy Tang: h5tang@ucsd.edu   Mondays 3-5, Mandler 3572 (Friday section)

CLASS WEBSITE: http://dooleykevin.com/psyc60.html

Introduction to the experimental method in psychology and to mathematical techniques necessary for experimental research. **Prerequisites:** *one year mathematics or consent of instructor.*
BOOK: Statistics by Witte & Witte, 8th or 9th edition (hard/softcover, loose-leaf, or e-book ok)
GRADING: Tests: There will be four tests (plus a cumulative final). They will include both conceptual and computational problems. Each test is focused on its respective chapters, but the material is inherently cumulative in that it builds on previously covered concepts.
Homework: Homework will be given for each assigned chapter (see schedule below) on the day it is discussed in class and due at the following section meeting.
Paper: Find an example of misleading statistics in the media (ads, infomercials, news stories, biased articles, etc.) and in two pages, describe the source, the statistics, the intent, how they are misleading, and how they could/should be more accurately presented. **Due last class before final.**
- 4 tests (multiple choice)- 100 points total (25 points each x 4)
- homework: 30 points (2 points each, x 16, skip 1)
- 1 short paper (see website for details)- 10 points, hard copy due in class last day of lecture (6/6)
- 1 final (multiple choice, cumulative)- 60 points
200 points total (90-100%=A, 80-89=B, 70-79=C, 60-69=D, ≤59=F; straight letter grades: no +/-)
Optional Extra Credit: paper: up to 5 extra points, hard copy of paper due on day of final
Up to 3 points extra credit for participation in Sona: http://ucsd.sona-systems.com

SCHEDULE (subject to change)		chapter to read by the following class
4/2	introduction	1, 2
4/4	graphs & averages	3
4/9	variability	4
4/11	z scores, normal distributions	5
4/16	**test 1 (ch. 1-5)**	
4/18	correlation	6
4/23	regression	7
4/25	probability	8
4/30	**test 2 (chapters 6, 7, 8)**	9
5/2	sampling distribution	10
5/7	hypothesis testing	11
5/9	confidence intervals	12
5/14	t-tests (1-sample)	13
5/16	**test 3 (ch. 9-13)**	14
5/21	t-tests (in/dependent)	15
5/23	anova	16
5/28	chi squared	19
5/30	**test 4 (ch. 14, 15, 16, 19)**	
6/4	special topics	
6/6	special topics/ review **(papers due today)**	
6/11	**Final (cumulative): Tuesday 6/11, 7-10 PM**	