STAT 220: Basic Statistics

Instructor:
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http://www.stat.washington.edu/rnugent/teaching/stat220

Time and Location:
Lecture: MWF 8:30am-9:20am   Sav 239
Sections: TTh 8:30am-9:20am:  AA Sav 316, AC Tho 135, AE Tho 134
        9:30am-10:20am:  AB Den 316, AD Sav 215, AF Sav 311
Office Hours: Tuesday 12:30-2:30 in the Statistics Tutor & Study Center or by appt

Teaching Assistants:
Nicole Bohnen: Sections AA, AB  nicole@stat.washington.edu
Theo Iaponas: Sections AC, AD  tiaponas@u.washington.edu
Dustin Lennon: Sections AE, AF  dnlennon@stat.washington.edu
Office hours in the Statistics Tutor & Study Center

Textbook:

Statistics Tutor & Study Center:
Free statistics tutoring for introductory classes; staffed by statistics graduate students;
Located in McCarty Hall Library; MW 11:30-5:30; TTh 10:30-2:30
http://www.stat.washington.edu/www/tutorcenter/

Grading:
There will be weekly homeworks (reading and assigned problems) assigned each Wednesday
 to be due in class the following Wednesday. There will be nine total but you get one “freebie”
 - only eight will count toward the final grade. Late homeworks will not be accepted. Graded
 homeworks will be returned the following Tuesday in section. Solutions will be available on-line.
There will be two quizzes given in section. The first will be Thursday April 20th. The second
 one will be Thursday May 25th. Graded quizzes will be returned in section the following
 Tuesday. There will be one midterm on May 5th. The final exam is scheduled for Tuesday
 June 6th from 8:30am to 10:20am. Any exam or quiz time conflicts must be addressed in
 advance. There will be no make-up exams. Your final grade will be 30% homework, 20%
 quizzes, 20% midterm, and 30% final exam.

If there are any problems, please come and talk to me in advance.
Schedule of Topics: (subject to change)

- Week 1: Introduction; Design of Experiments (Ch 1-2); Histograms (Ch 3); Average/Standard Deviation (Ch 4)
- Week 2: Normal Distribution (Ch 5); Measurement Error (Ch 6)
- Week 3: Lines; Correlation; Regression (Ch 7-12)
- Week 4: Lines; Correlation; Regression (Ch 7-12)
- Week 5: Probability and Chance Variability (Ch 12-18)
- Week 6: Probability and Chance Variability (Ch 12-18)
- Week 7: Sampling (Ch 19-20); Accuracy/Confidence Intervals (Ch 21-23)
- Week 8: Accuracy/Confidence Intervals (Ch 21-23); Tests of Significance (Ch 26-29)
- Week 9: Tests of Significance (Ch 26-29)
- Week 10: Review; Catch-up

Homework:
Homework assignments will be announced in class and posted on the website. Homeworks should be labeled with name and section and must be legible. You may work with others, but you must write up your own solutions. If you need help, please contact your TA or myself during our office hours or visit the Statistics Tutor and Study Center. Show your work in detail; only giving the answer will be marked wrong. Assigned problems should be numbered and in sequential order. Multi-page assignments should be stapled together in the upper left-hand corner. Again, late homeworks will not be accepted.

I may recommend problems from the book from time-to-time. These problems are not required but strongly recommended for extra practice.

Comments:
Attendance in both lectures and quiz sections is expected. It is your personal responsibility to stay apprised of any announcements which may include changes in homework and its due date, exam dates, quiz dates, and course requirements.