STA 371G Outline
Spring 2017

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    Office Hours: Monday & Wednesday 3:30-5:00 PM. You are welcome to come by my office at other times.

Wednesday, January 18

Topics:

- Introduction

- Probability

- Random variables

Reading Assignments:
    You are recommended to read:
    Chapter 1 of OpenIntro Statistics, 3rd edition

Monday, January 23

Topics:

- Probability distributions

- Mean, variance and standard deviation of a random variable

- Add a constant to a random variable

- Multiply a random variable by a constant

Reading Assignments:
    If you are not familiar with the topics discussed in class, you are recommended to read:
    pp. 156-168, 189-195, of Data analysis and decision making, 4th edition
    or
    pp. 196-206, 225-231 of Data analysis and decision making, 3rd edition

    You are also recommended to read:
    pp. 1-14 of "1TopicSummary_ProbabilityConceptsAndNormalDistributions.pdf" (available in Canvas/files)

To learn more about these topics, you may further read:
Chapters 2.1, 2.2, 2.4, and 2.5 of OpenIntro Statistics, 3rd edition

Wednesday, January 25

- Conditional, joint and marginal probabilities

- Independent random variables, sum of independent random variables