**Course Description:**
The goal of this course is to expand upon the basic tools for data analysis, probability and statistical methods that were covered in Stat 101. We will first review exploratory data analysis, probability, estimation, and hypothesis testing. The majority of the course will focus on regression analysis and other techniques for predictive modeling in statistics. I believe that statistics is best learned through the engagement of real data applications, so the statistical techniques in this course will be presented as part of a case study of urban data for the city of Philadelphia.

**Professor:**
Dr. Shane Jensen                                                                                JMHH 463
stjensen@wharton.upenn.edu                                               215-573-2211

**Lectures:**
Section 001, TuTh 10:30am-12:00pm, SHDH 350
Section 002, TuTh 1:30pm-3:00pm, SHDH 350
Section 003, TuTh 3:00pm-4:30pm, SHDH 350

**Office hours:** TuTh 5:00-6:00pm  JMHH 463

**Course Website:** Canvas

**Required Textbook:**
Stine and Foster, *Statistics for Business: Decision Making and Analysis, Second Edition*. Pearson. You will also need MyStatLab access as used in Stat 101.

**Required Software:**
*JMP*, Version 12 or newer. You are welcome to use something else if you prefer, but neither I nor the course TA can be expected to offer help with that choice.

**Evaluation:**
Your course grade will be calculated as 30% homeworks, 30% for the midterm examination, and 40% for the final examination.

**Important Dates:**

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|---|---|
| Tuesday, August 29 | First day of class |
| Thursday, October 5 | No Class -- Fall Break |
| Thursday, October 19 | Midterm Exam (in class) |
| Thursday, November 23 | No Class -- Thanksgiving Break |
| Thursday, December 07 | Last day of class |
| Monday, December 18 | Final Exam (6:00-8:00pm) |

**Notes about Grading:**

- Homework assignments will be assigned every two weeks or so and will be turned in for grading. ***No late homeworks will be accepted, for any reason whatsoever.*** However, your lowest homework score will not be used when calculating your final grade

- No make-up midterm will be given, so make sure that you do not have other commitments during the midterm time

**Teaching Assistants**

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