

Math 17300-1XB
Introduction to Probability and Statistics
Summer 2017

Contact Information

Instructor: John Adamski
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Course Information

When: M, T, W, Th 10:30am-12:10pm
Where: NAC 5/150
Text: Mendenhall, Beaver, Beaver, *Introduction to Probability and Statistics*. Fourteenth Edition, 2013. Brooks Cole.
ISBN 1133103758
We will cover the following sections: Introduction, 1.5, 2.2-2.4, 4.2-4.8, 5.2, 5.4, 6.1-6.4, 7.4-7.6, 8.3-8.7, 8.9, 9.1-9.6, 10.1-10.3
Websites: johnadamski.com/173s2017.html
http://math.sci.ccny.cuny.edu/courses/name=Math_17300
Blackboard: Will be used for posting grades
Be Honest: <https://www.ccny.cuny.edu/about/integrity>

Topics

Descriptive statistics and frequency histograms; measures of location and dispersion; elementary probability; permutations and combinations; multiplication rule and conditional probability; Bayes' Theorem; independent events; random variables, expected values; applications to binomial, hypergeometric, uniform and normal distributions; the Central Limit Theorem; testing statistical hypotheses; correlation; linear regression and least squares.

Grades

- 40% Quizzes (about 5, lowest grade dropped)
- 20% Midterm
- 40% Final Exam

Overview

Each day we will learn new material and homework exercises will be assigned. It is essential that you work through these exercises promptly after they are assigned. Homework will not be collected, but I will assume you have worked through the assigned problems and understand their solutions. The first 5-10 minutes of class is available for going over homework exercises. Class notes and homework solutions will be posted to johnadamski.com/173.html.

Approximately once a week we will take a short quiz (20-25 min) which will cover the previous week's material and will contain assigned homework exercises. There will be one cumulative midterm exam (tentatively scheduled for Thursday, 7/6). The final exams take place Wednesday, 7/26.