

Statistics 440.605.81
Spring 2015

Instructor: Ilya Rahkovsky

Class Schedule: January 28 – May 6

Blackboard Site for Course at <http://blackboard.jhu.edu>. Access to the site requires a Johns Hopkins Enterprise Directory (JHED) password.

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Textbook

Anderson, David R., Dennis J. Sweeney, Thomas A. Williams, Jeffrey D. Camm, and James J. Cochran. Statistics for Business and Economics, 12th Edition Revised South-Western_College_Publishing, 2014. The original version of the 12th edition is also acceptable, and any version of the 11th edition is acceptable as well. Camm and Cochran were added as authors on the 12th edition, so the 11th edition will not list them as authors.

Assessment and Grading

Interim Exam 1 (20%) posted February 25, due March 4

Interim Exam 2 (20%) posted April 1, due April 8

Final Exam (30%) posted April 29, due May 6

Problem Sets (30%)

Problem sets are due at the end of each unit, although they will be accepted up to one week late without penalty.

Course Schedule

Unit 1: Descriptive Statistics: Jan. 31 - Feb. 4

Readings: Chapters 1-3

Unit 2: Probability Theory and Discrete Probability Distributions: Feb. 5 - Feb. 11

Readings: Chapters 4-5

Unit 3: Continuous Probability Distributions: Feb. 12 - Feb 18

Readings: Chapter 6

Unit 4: Sampling and Sampling Distributions: Feb. 19 - Feb. 25

Readings: Chapter 7

Interim Exam 1: posted Feb. 25, due March 4

Unit 5: Interval Estimation and Hypothesis Testing: Mar. 5 - Mar. 11

Readings: Chapters 8-9

Unit 6: Bivariate Probability Distributions: Mar. 12 - Mar 18

Readings: Chapter 10

Unit 7: Bivariate Probability Distributions (continued): Mar. 19 - Mar. 25

Readings: Chapter 11

Unit 8: Independence, Goodness-of-Fit Test: Mar. 26 - April 1.

Readings: Chapter 12

Interim Exam 2: posted April 1, due April 8

Unit 9: Conditional Distributions, Analysis of Variance: April 9 - April 15

Readings: Chapters 13

Unit 10: Simple Linear Regression: April 16 - April 22

Readings: Chapters 14

Unit 11: Complex Sampling Schemes

Readings: Chapter 22 (available on web site for textbook): April 23 - April 29

Final Exam: posted April 29, due May 6

General

This course adheres to all University policies described in the academic catalog. A few to pay close attention to are noted below.

Students with Disabilities

Johns Hopkins University is committed to providing reasonable and appropriate accommodations to students with disabilities. Students with documented disabilities should contact the coordinator listed on the [Disability Accommodations](#) page. Further information and a link to the Student Request for Accommodation form can also be found on the [Disability Accommodations](#) page.

Ethics & Plagiarism

JHU Ethics Statement: The strength of the university depends on academic and personal integrity. In this course, you must be honest and truthful. Ethical violations include cheating on exams, plagiarism, reuse of assignments, improper use of the Internet and electronic devices, unauthorized collaboration, alteration of graded assignments, forgery and

falsification, lying, facilitating academic dishonesty, and unfair competition. Report any violations you witness to the instructor.

Read and adhere to JHU's [Notice on Plagiarism](#).

Dropping the Course

You are responsible for understanding the university's policies and procedures regarding withdrawing from courses found in the current catalog. You should be aware of the current deadlines according to the [Academic Calendar](#).

Getting Help

You have a variety of methods to get help on Blackboard. Please consult the help listed in the "Blackboard Help" link for important information. **If you encounter technical difficulty in completing or submitting any online assessment, please immediately contact the designated help desk listed on the [AAP online support page](#).** Also, contact your instructor at the email address listed atop this syllabus