

Lecture 1

Math. 324, Mathematical Statistics, Spring, 1998

M.W.F. 12:50-1:40

Room 326, Math. & Computing

Instructor: Julia F. Knight

Office: 233 Math.-Computer Center

Hours: MWF 3-4 and by appointment

Text: Same as for Math. 323

R. J. Larsen and M. L. Marx, An Introduction to Mathematical Statistics and its Applications, 2nd edition.

Exams

There will be three in-class exams., plus final. The dates are as follows:

Exam. I: Feb. 4

Exam. II: Feb. 27

Exam. III: April 1

Final: May 7, 4:15-6:15, p.m.

Grades: Each in-class exam. will have 100 points possible. The final will have 150 points possible.

Homework will have 10 points possible--5 points for turning all the assignments in on time, and 5 points for correctly solving all problems in a randomly chosen subset of those assigned.

Course grades will be determined by the sum of exam and homework scores.

Math. 323 covered material through 4.3 in the text. Math. 324 continued with Chapter 4, then cover material from Chapters 5, 6, and 7, plus 9.5 and 10.1-10.4.

Lecture 1: Recalling special kinds of random variables introduced in 323.

Lecture 2: 4.3-4.4.

Lecture 3: 4.5.

Lecture 4: 4.5-4.6.

Lecture 5: 4.6, 5.1-5.2.

Lecture 6: 5.3-5.4.

Lecture 7: 5.4-5.5.

Lecture 8: 5.6.

Lecture 9: Finish 5.6, review for Exam. I.

Lecture 10: Exam. I.

Lecture 11: Some real problems, ask students to collect data.

Lecture 12: Compile data. 5.7.

Lecture 13: 5.7.

Lecture 14: 5.8.

Lecture 15: 5.8.

Lecture 16: 5.9.

Lecture 17: 5.10.

Lecture 18: 5.10.

Lecture 19: Review for Exam. II

Lecture 20: Exam. II

Lecture 21: 6.1-6.2.

Lecture 22: 6.2.

Lecture 23: 6.2.

Lecture 24 (after Spring break): 6.3.

Lecture 25: 6.4.

Lecture 26: 7.1-7.2.

Lecture 27: 7.3.

Lecture 28: 7.4.

Lecture 29: 7.5.

Lecture 30: Review for Exam. III

Lecture 31: Exam. III

Lecture 32: 7.5.

Lecture 33: 7.6.

Lecture 34: 7.6-7.7.

Lecture 35 (after Easter): 7.7.

Lecture 36: 10.4.

Lecture 37: 10.2-10.3.

Lecture 38: 10.3, 9.5.

Lecture 39: 10.3, ratings.

Lecture 40: Review, miscellaneous problems

Lecture 41: Review, miscellaneous problems