

Stat 130 Introduction to Statistical Reasoning Final Exam Preparation

When and where?

The second exam will be given on Thursday, June 8 at 1:10pm in our usual classroom. You will have 170 minutes to complete the exam.

What's covered?

Roughly one-half to two-thirds of the exam will focus on material covered since our last exam: chapters 17-24 of your text, dealing with Chance and Inference. The outlines from days 28-38 accompany this material. The other one-third to one-half of the exam will be cumulative, covering ideas from the entire course.

What should I bring?

You should definitely bring your text, your handouts and notes, and a calculator. You may also bring your quizzes and solutions to quizzes.

What if I've missed something?

You can download class outlines and quiz solutions from the web, and you can see me if you have not picked up a quiz or mini-project.

What kinds of questions should I expect?

There will be a mixture of questions types. There will be many short answer questions (e.g., interpret a confidence interval or P-value). Some questions will call for calculations (e.g., expected value, confidence interval). Many questions will ask you to interpret results or explain some phenomenon; these will often be presented in the context of genuine data. In general, the questions should be of similar types to what you've answered in class examples, quizzes, homework questions, and the first two exams.

How should I study?

- Read the review summaries on pages 414-415 and 506-507 of your text for a concise but detailed listing of the important recent ideas that we have discussed.
- Re-read the "Statistics in Summary" sections at the end of each chapter.
- Review class outlines and examples.
- Look over first two exams and solutions on-line.
- Re-read review summaries from first two units.
- Work through the assigned homework questions, check answers in the book.
- Re-work quizzes, check solutions online.
- Answer the review questions on pages 415-420 and 508-514 of your text.
- Answer additional questions from the end of the chapters of your text.
- Ask questions during class today, in office hours (3:10-4:30pm today, 3-5pm on Monday and Tuesday of finals week, 2-4pm on Wednesday of finals week), via e-mail.

Any other advice?

- Prepare and organize several sheets of well-organized notes.
- Don't study less because it's an open-book exam!
- Plan not to use your book or notes too much.
- Focus on understanding, not memorization.
- Read questions carefully.
- Pay attention to the context, both when reading questions and when writing answers.
- Write and explain your answers very clearly.