

Class 27: Review for Exam 2

Held: Monday, 7 April 2008

Summary: We review where we've been and what we've done in preparation for the second examination.

Notes:

- I will continue to reserve time at the start of class for discussion of campus events.
- A few of you reminded me that I had offered extra credit at the start of the semester for either attending campus events or supporting each other in your endeavors. Certainly, I will give you credit for supporting each other in the weeks to come, so tell me about your endeavors. I will also try to identify talks of interest. (Seth Gitter's on Friday is one.)

Overview:

- Form of the exam.
- The big picture.
- Some key ideas.
- Free-for-all.

Form of the Exam

- Five parts
 - One set of short memorization questions
 - One set of short thought questions
 - Three longer problems, similar to activities
- Available resources:
 - Cheat sheet to be distributed tonight
 - Standard normal distribution table
 - t -table
 - R
 - The calculator on the computer
 - Your brain
- You may start the exam any time between noon and 1pm and finish any time between 2:05pm and 3pm.
- We will fill 3819 (our normal classroom) and then put the overflow into 3815 (down the hallway).

The Big Picture

- Unit 3: Sampling distributions
- Unit 4: What sample statistics tell us about population proportions

Some Key Ideas

- Probability and expected values (Topic 11)
 - The standard normal distribution (Topic 12)
 - The CLT and what it says about sampling distributions (Topics 13-15)
 - Confidence intervals for proportions (Topics 16 and 18)
 - Tests of Significance for proportions (Topics 17 and 18)
 - Confidence intervals for means (Topic 19)
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