

Announcements

- Please email me a pdf of your final project paper by tonight. Or if you have already turned in a hard-copy that is ok as well.
- I'll still accept homework until the start of the final on Friday.
- Your final is Friday from 2–5pm
 - You get 4 single sided notecards (or 2 double sided)
 - It will largely draw from variations of old test questions, homework practice problems, or old review problems
 - I will only write it to be about 1.5 times a normal test length, so you should have plenty of time to complete it.
 - I will get a list of learning objectives for the most recent material posted by tomorrow.
 - It is comprehensive!
- I will be around normal hours most of this week trying to get caught up on grading. Feel free to stop by with questions or ask over Campuswire.

A Semester in Very Rapid Review

The Basics and Probability

- Understanding variables (types, independence, explanatory and response)
- Correlation, causation and observational studies and experiments
- Sampling methods and why random sampling is important
- Understanding distributions of data and summary statistics
- Interpreting descriptive charts like scatter plots, boxplots, histograms and mosaic plots
- Calculating simple probabilities of disjoint, non-disjoint, and conditional events
- Tree diagrams for conditional probabilities

All Things Regression

- Calculating residuals given a model
- Slopes and the intercept and how to interpret them
- Necessary conditions
- What role does R^2 and adj R^2 play
- Finding the best model with forward or reverse methods
- Making predictions of a response from a model

- What a p-value is and what it tells us
- Why we use distributions and how they compare to simulations
- How to conduct a hypothesis test
- How to compute confidence intervals
- When to use different types of distribution
- What standard error looks like for single means vs proportions vs differences between means/proportions
- When ANOVA should be used and what it tells you

Class Picture Time!

This is your attendance for the day so make sure I can see you!

My Evaluations

- Use only an X to mark a bubble
- Fill in bubble only if you want to mark a different option
- Comments are extremely useful to me!
 - How did you feel about the homework and lab load?
 - Was lecture and lab classes useful to your learning?
 - Was there content that you expected to learn but that we didn't cover?
 - How did grading (cough cough) and tests feel? Too tough? Too easy? Fair?
- Need a volunteer:
 - Collect all form upon completion
 - Place all forms, including blanks, in envelope and seal it
 - Deliver promptly to Smullin 108
 - Thank you!!!