

The Final will cover Chapters 8-10, with more weight on Chapter 10.

You should be able to:

- Do everything from the previous review sheets.
- Know why a Statical Test is.
- Know what Type I and Type II errors and be able to compute them, given a rejection region and simple hypotheses. You should also be able to compute a rejection region, give a test statistic and a level α .
- Do large and small sample size tests concerning population means and variances.
- Determine sample sizes necessary for a given α and β .
- Compute p -values. Know the relationship between p -values and α .
- Compute the power of a test.
- Use Neyman-Pearson Lemma to find the most powerful test concerning simple hypotheses.
- Know the likelihood ratio test.
- Whatever else was on the homework.

On Homework 12, I assigned some review problems from Chapter 10. Some of the other review problems are good too. Calculators will probably be needed.