

**Stat 300A Theory of Statistics**

## Homework 8

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*Due on December 5, 2018*

- Solutions should be complete and concisely written. Please, use a separate sheet (or set of sheets) for each problem.
- We will be using Gradescope (<https://www.gradescope.com>) for homework submission (you should have received an invitation) - no paper homework will be accepted. Handwritten solutions are still fine though, just make a good quality scan and upload it to Gradescope.
- You are welcome to discuss problems with your colleagues, but should write and submit your own solution.

### **Problems on hypothesis testing**

Solve problems 3.32, 4.2 and 4.19 from Lehmann, Romano, *Testing Statistical Hypotheses*.