

**STATISTICAL INFERENCE**  
**Autumn 2019**  
**Homework 1**

Homework is due Thursday, November 7 at 11pm EST. You need to upload it to canvas assignments tab. Read Sections 6.1-6.4 and 7.1-7.8 of DeGroot and Schervish. You may find solutions to some problems in various sources, including solution manual for the textbook. I encourage you to solve the problems yourself rather than obtain solutions, homework is your most valuable tool in studying and preparing for the exams. As I mentioned previously, you may work in groups but do write up on your own and mention the people you collaborated with (no points will be taken off for collaboration as long as there is no evidence of copying).

1. DeGroot & Schervish, #1 on page 375.
2. DeGroot & Schervish, #3 on page 375.
3. DeGroot & Schervish, #1 on page 461.
4. DeGroot & Schervish, #3 on page 461.
5. DeGroot & Schervish, #4 on page 461.
6. DeGroot & Schervish, #7 on page 462.
7. DeGroot & Schervish, #9 on page 462.
8. DeGroot & Schervish, #10 on page 462.
9. DeGroot & Schervish, #14 on page 462.
10. DeGroot & Schervish, #15 on page 462.
11. DeGroot & Schervish, #16 on page 462.
12. DeGroot & Schervish, #17 on page 462.
13. DeGroot & Schervish, #18 on page 462.