

Assignment 7  
Due Wednesday 10/31

**Exercises:** (P = Problems, TE = Theoretical Exercises)

Chapter 5: P 2, 3, 4, 5, 7\*, 8, 10\*, 14, 15\*, 18, 24\*, 32\*, 34\*

TE 1\*, \*12

Most of these problems coincide with those of the same numbers in the fifth edition of our text, but problems 32 and 34 in the sixth edition correspond to 30 and 32, respectively, in the fifth edition.

\*Problems marked with an asterisk will be collected and graded. Remember to *explain* how you arrive at your answers.

**Hints:** P 24: This problem involves both a normal and a binomial distribution.

TE 1: Model your work on the calculation in the text of the variance of a normal RV.