

Homeworks are due in Wednesday lecture and will be returned the following week in the discussion section.

1. 9.17 (pg 370)
2. 9.30 (pgs 375-376)
3. 7.80 (pgs 296-297)
4. Use R and the data cited in problem **7.79 (pg 296)** to test for a difference in the average response between the two treatments by
 - (a) A t test (with `t.test`)
 - (b) A rank-sum test (with `wilcox.test`)
 - (c) A permutation test (with `perm.test`).

The data are available at the following

http://www.biostat.wisc.edu/%7Ekbroman/teaching/stat371/data_7-79.csv

The code for the function `perm.test` (for the permutation test) is at the following

<http://www.biostat.wisc.edu/%7Ekbroman/teaching/stat371/permfunc.R>

5. For the data in problem **6.48 (pg 213)**, calculate a 95% interval for the probability of contracting an STD within six months after being part of a counseling program, using
 - (a) The normal approximation (box on pg 208)
 - (b) The function `binom.test` in R.