

STAT 672, Spring 2011
Homework 1
due Thursday Feb. 3

Show all work.

The numbers refers to *Hollander and Wolfe*, if not specified otherwise. Some problems have additional parts. Note: The number 2 in 2.4 indicates the chapter.

1. p. 28: 2.4

Use the R function `binom.test` for the (2.3) procedure. Be sure to include your call to the function and the output.

2. p. 28: 2.5 (a)-(c)

You have 3 points, so include a sketch of the power function, by hand or using R.

3. p. 33-34: 2.16

Use the R function `binom.test` for the exact CI. Be sure to include your call to the function and the output. Compare the CI to results obtained using equations (2.25) and (2.26), by hand or using R.