STAT:5400, Computing in Statistics
Fall 2016
Instructor: Cowles
Information on Midterm 2

- Midterm 2 will be given Mon. Oct. 31 from in 346 Schaeffer hall. You may either come at 3:30 and leave by 5:20, or come at 4:30 and leave by 6:20.

- This midterm will replace class on Fri. Nov. 4.

- The midterm will cover the following topics:

  - simulation studies regarding

    * estimators (bias, variance, mean squared error)
    * confidence intervals (width and coverage)
    * hypothesis tests (size and power)

  - bootstrap (parametric and nonparametric)

  - jackknife

  - root-finding

  - relational database concepts

  - writing R functions

  - timing execution of R code

  - Sweave (You will be required to use Sweave and to submit your .Rnw file and your .pdf file.)

- You may use notes, computer files, on-line resources; in short, anything except other people!