

STAT:5400, Computing in Statistics  
Fall 2015  
Instructor: Cowles  
Information on Midterm 2

- Midterm 2 will be given Fri. Nov. 6 from 3:30 - 5:20 in 41 Schaeffer
- This midterm will replace class on a future Fri.
- The midterm will cover the following topics:
  - simulation studies regarding
    - \* estimators (bias, variance, mean squared error)
    - \* confidence intervals (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!