New Course!

Statistics 302
Statistical Software and Its Applications
(2 credits)

Purpose and course content
Facility with statistical software is required for applied coursework as well as preparation for graduate school and for employment. The target audience for this course is undergraduate statistics majors and non-major graduate students.

Course Overview
Introduction to data structures and basics of implementing procedures in statistical computing packages, selected from, but not limited to R, SAS, STATA, SPSS, Matlab & Minitab. Provides students with a foundation in computational components of data analysis using major statistical computing packages, useful for subsequent data analyses in research and in applied statistics courses.

This course is intended to precede other applied statistics courses so that students enter these courses with a reliable common background in statistical software use.
It should be taken prior to or concurrently with Stat 421.

Learning Objectives
• Be able to use data structures commonly used in major statistical computing packages
• Select & implement basic descriptive, modeling & inferential procedures in a selection of major statistical computing packages
• Read & interpret output from these procedures

Time & Place:  TBA

Instructor:  Nate Derby (likely)
Office:  TBA
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Prerequisite:
• an introductory statistics course such as Stat 311 or Stat/Math 390