Syllabus for Math 199 - Fall 2015

Introduction to Reproducible Data Analysis in R

Course Description

This bootcamp course serves as a primer to get the complete novice up and running with the basic knowledge of how to use the statistical programming language R. Topics include: R programming basics, importing data, properties of tidy data, visualizing data, reproducible research with Markdown and basic data management and debugging.

Course Information

INSTRUCTOR: Dr. Robin Jeffries
OFFICE: Holt 216
PHONE: 898-5767
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Meeting Times and Locations

None! Fully online with in person problem solving sessions each Friday (time and loc TBD). There will be a moderated Piazza forum available for discussions and mid-week / late-night help. Check the Blackboard learn course site for the link to enroll in our specific Piazza course forum.

Office Hours

Friday problem solving sessions (time TBD), and by appointment.

Time Commitment

This is a fast paced 1 unit course conducted over 3 weeks. Learning a programming language is not trivial, expect to spend around 10 hours per week for these three weeks if you have never programmed before.

Prerequisite

Basic computer literacy. ELM status. Review the Intro to the class slides on instructions on how to install the required programs.

Materials

- Textbook: None Required.
- Good online resources that I recommmend to bookmark are:
    - R Tutorial
    - Quick-R
    - R-Cookbook
- Computer: Mandatory. A reliable computer (laptop preferred) that you can install programs onto. See me if you do not have a personal computer.
- Reliable internet connection.

Grading

Credit / No Credit. Achieving 70% or higher of available points is needed to earn credit. Points will be gained by completing each lab, swirl lesson and quiz.

Adding and Dropping the course

TBD

Accomodations

If you need course adaptations or accommodations because of a disability or chronic illness, please contact Accessibility Resource Center (ARC) as they are the designated department responsible for approving and coordinating reasonable accommodations and services for students with disabilities. The ARC phone number is 530-898-5959, arcdept@csuchico.edu

Course outline

The course schedule is subject to minor modifications. All content will be made available on Day 1 of the course, however the quizzes and homeworks will have set deadlines.

It is your responsibility to frequently check the course Piazza forum for updates and changes.