

Syllabus for Math 199 - Spring 2016

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.

Course Information

Instructor: Dr. Robin Donatello **Office Location:** Holt 216

Phone Number: 898-5767

E-mail: rdonatello@csuchico.edu

Course Website: <http://norcalbiostat.github.io/R-Bootcamp/>

Class Discussion Forum: https://groups.google.com/forum/#!forum/csuc_stat

Meeting Times and Locations

Tuesday and Thursday 5-7pm

Holt 171

1/28/16 - 2/18/16 only

There will be a moderated [Google Group](#) forum available for discussions and mid-week / late-night help.

Office Hours

MTW 10am Holt 216 Occasionally F 3-4:30 Holt 155 (will post notice on Google Group when this worksession is being held)

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 hours per week for these three weeks if you have never programmed before.

Prerequisites

- Basic computer literacy.
- ELM status.

Materials

- Textbook: None Required.
- Good online resources that I recommend to bookmark are:
 - [R Tutorial](#)
 - [Quick-R](#)
 - [R-Cookbook](#)

– [Workshop for Python coders by Ramnath Vaidyanathan](#)

- Computer: Mandatory. A reliable laptop that you can install programs onto. See me if you do not have a personal computer.
- Reliable internet connection.

Grading

Credit / No Credit. There are 40 points possible will be gained by participating in the discussion forum (4), completing each swirl lesson (4 total), two quizzes (6 each) and final project (20). Achieving 70% or higher (28 points) is needed to earn credit.

Adding and Dropping the course

The course is open enrollment. You may add and drop at any time but be cognizant of the few existing due dates.

Accommodations

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 posted on the class website and subject to minor modifications. All content will be made available on Day 1 of the course, however the quizzes and project will have set deadlines.