1 Course Objectives

By the end of the course, you will be able to write code in R and C. You will also be able to define and implement your own data structures that are tailored to the specifics of the problem you want to solve. You will gain familiarity with optimization and Markov Chain Monte Carlo.

2 Class

The class meets Tuesday and Thursday between 12:00pm and 1:20pm in JHN 111.

3 Office hours

Office hours will be held on Thursday between 2:30pm and 4:00pm in Padelford Hall B-301, or by appointment.

4 Textbooks


(suggested) Kernighan, B. W and Ritchie, D. M. C Programming Language

Prentice Hall

5 Prerequisites

Some background in statistics and some experience with a high level programming language.

6 Class Requirements

We will have 4 assignments, 2 quizzes and a final project.