

# R bootcamp syllabus

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## Friday

### 8am-10am: Introduction

What is R

Data

Vectors

Matrices

Factors

Dataframes

Lists

### 10am-10:15am: Coffee break

### 10:15am-12:15pm: Functions

Writing your first function

### 12:15-1:15pm - Lunch

### 1:15- 3:00pm - Data Manipulation

### 3:00-3:15pm - Coffee break

### 3:15-5:00pm - Summary statistics

### 5:00pm: End of day 1

## Saturday

8am-9am: Recap

9:00-10:30am: Data

Automate Data Manipulation

10:30-10:45am: Coffee break

Data Visualization

12:15-1:15pm - Lunch

1:15-3:00pm: Simulations

Simulationg data in R

Exercise incorporating all skills