

## Syllabus for Biostatistics Preparatory Course 2018

### Methods & Computing

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**Note:** This is a rough outline of what we will cover. Topics / dates may shift based on pace of class. I will try to keep updated.

### Schedule

Date/Time	Topic
8/3 1pm-2:30pm	Intro, R basics, data types, and structures
8/6 1pm-2:30pm	Flow control, vector/matrix manipulation
8/7 10:30pm-12pm	Probability distributions
8/9 10:30pm-12pm	Graphing and data analysis
8/13 1pm-2:30pm	Model fitting
8/14 10:30am-12pm	Functions and simulations
8/16 10:30am-12pm	Maximum likelihood estimation
8/20 10:30am-12pm	Bootstrap
8/21 1pm-2:30pm	Cluster computing