Day 1, Session 1: Overview

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EPI/BIOST Bootcamp 2016

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Welcome!

- Welcome to the first EPI/BIOST Bootcamp!

- For today:
  - Our backgrounds

  - Introduction to course content for EPI 511 and BIOST 511

  - Overview of this course

  - Some skills and resources for success in graduate school

Our backgrounds: Gillian

Our backgrounds: Brian

- Third year PhD student, Biostatistics

- Past TA for R in BIOST 511, 512, 517, 518

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Intro to course content: EPI 511

Intro to course content: BIOST 511

- Objective: provide students with an understanding of basic concepts and methods of statistical inference in the health sciences

- Some major topics:
  - Data description, exploratory data analysis

  - Basic issues in study design

  - Probability concepts and models

  - Statistical inference - estimation and hypothesis testing

  - Categorical data analysis

  - Introduction to regression analysis

Intro to course content: BIOST 511

- Only pre-requisite is basic algebra

- However, R will be used to teach some of the concepts and analyze data

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Overview of the bootcamp

Skills for success