

Introduction to R for Data Management and Analysis

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Thursday, June 16, 2016

Announcements

- Error in Quiz 3
- 1 more class left

Notes on Tuesday's lecture

- Interactivity
- Plotting Odds Ratios
 - Base graphics
 - ggplot2

Today's lecture topics

- Repetitive code
- for loops
- Functions
- Functionals and functional programming `apply` family

Examples

- Replacing missing values with NA
- Using a for loop
- Using a function

for loops

- Repeat code a certain number of times
- `for <variable> in <sequence of numbers> { }`
- Each step is visible
- Purpose may not be immediately clear

Functions

- Extend the language
- Group operations for *ideally* one purpose
- *Pure* function

Functionals

- A function that takes another function as an argument
- Make coding more efficient