

Introduction to R for Data Management and Analysis

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Tuesday, June 6, 2016

Announcements

- Blackboard is now live
- Quizzes graded

Notes on the Tuesday's lecture

- Changing the levels of a factor
- converting factors to numeric
- Up arrow in RStudio
- Basics of R Markdown

- Import and Export data
 - Know your paths
 - Most export functions include the word “write” (i.e., `write.table`)
- Classes (bicycle analogy)
 - can have particular operations
 - some functions are similar across classes
 - identify a class by using the `class` function
- Factors and levels
- `data.frames` and `lists`
- subsetting using vectors
 - Accessing columns with `[` and `$`
- coercion (as **`.classname`**)

Data Manipulation Overview

- Subsetting (cont.)
 - vectors and [with character, numeric, logical
 - lists and [/ \$
 - double brackets [[
 - with conditions
- Sorting and aggregating data
- removing duplicated records
- removing records with NA
- merging and binding
- transformations