2 ^ 4 Rules of TheRBootcamp

1. Everything in R is an object

2. Use <- to create objects

3. Name objects with _

4. All objects have classes

5. Everything happens through functions

6. Functions have arguments

7. Arguments can have defaults

8. Functions expect certain object classes

9. View help files with ?

10. Data is stored in data frames

11. Select variables from a data frame with $

12. Use RStudio Projects

13. Create separate folders for Data, Code

14. First load packages with library(), then load data

15. Use comments and spacing for readability

16. Struggle and ask for help!

Use lots of comments with #

Start by loading packages with library()

Create new objects with assignment arrow <-

Assign key results (like a statistical test) to an object

Create a folder for each content type

Always use projects!

Press Tab to easily find external files

Press Tab to see function arguments

Put all data files in a "Data" folder

```r
# Basel R Bootcamp cheatsheet!
# www.therbootcamp.com

# Load packages --------------------------------
#  Note! Each must be installed with install.packages()

library(tidyverse)
library(skimr)
library(broom)

# Load data from external files --------------------

mcdonalds <- read_csv(file = "1_Data/mcdonalds.csv")
baselers <- read_csv(file = "1_Data/")

# Explore data ---------------

class(mcdonalds) # Show obje
head(mcdonalds)  # Print first few rows
dim(mcdonalds)   # Get number of rows and columns

# Calculate descriptives ------------------------

mean(mcdonalds$Calories)
mean(mcdonalds$Sodium, )

# Conduct tests  ----------------------

# Correlation between calories and sodium

cal_sod_htest <- cor.test(x = mcdonalds$Calories,
                          y = mcdonalds$Sodium)

names(cal_sod_htest)    # Show all named elements
cal_sod_htest$p.value   # Just the p-value
tidy(cal_sod_htest)     # 'tidy' table of results
```

baselers.csv   1_Data
happiness.csv   1_Data
mcdonalds.csv   1_Data

x =
trim =
na.rm =

Bootcamp_Example_Project

Files Plots Packages Help Viewer

Home > RBootcamp > Bootcamp_Example_Project

Name	Size	Modified

Bootcamp_Example_Project.Rp
0_Materials
1_Data
2_Code

Home > RBootcamp > Bootcamp_Example_Project > 1_Data

Name	Size	Modified
baselers.csv	827.9 KB	Jun 29, 2018, 11:24 PM
happiness.csv	28.8 KB	Jul 4, 2018, 9:33 PM
mcdonalds.csv	29.3 KB	Mar 3, 2017, 12:31 PM