

Homework #1

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Homework #1

Due before 9:30:00 EST 2019-01-08

1. Finish with any installation/sign-up steps that you did not complete already
2. (optional) Run through the installation process again
 - getting a friend set up
 - installing on another computer (e.g., desktop)
 - re-installing on your computer
3. (required) Find a data set!

Finding a data set

- Take some time to find a good data set
- For use throughout the rest of the course & the final project
- Requirements:
 - **multivariate** (i.e., a bunch of records/rows, each with multiple variables/columns)
 - **mix of data types** (two or more of the following):
 - a. continuous or semi-continuous numbers
 - b. categorical factors or groupings
 - c. string/text data
 - d. dates or timestamps
 - interesting enough to keep you asking questions!
- Changing data sets later is okay, but highly dispreferred
- *Take some time to find a good data set* – don't just settle for the first thing you find!

Some places to look

- Your own work!
- Google
- R has lots of built-in data sets (also available in many packages)
- You can see all the available data sets in R by typing the command:

data()

- If one of the R data sets catches your eye, talk to me if you need some basic commands to take a peek at it.

Submitting this Homework assignment

- **Email me the data set**
- **Email me:**
 1. **List of variables** you're interested in, **with column names**, plain English descriptions, and the **TYPE of data in each variable** (number, factor, text, time)
 2. **ONE sentence describing why this data is interesting to you**
 3. **THREE initial questions** you think you could ask and (at least partially) address with this data. Try to make the questions as SIMPLE as possible!
- I will reply with comments, and suggestions for changes if needed.
- This is the ONE assignment you can "re-do" later for credit, if I ask you to do something different.
- BEFORE 9:30am 1/8/2018 (I will check email timestamps)
- Even if you're not 100% decided, send me the above info for some possibility, by 9:30am, to receive credit

If it's really large, send me a link or talk with me about it.