R Exercises Session 2

Introduction to R for Data Management and Analysis

June 7, 2016

**Note**: Use Ctrl (Command) + Alt (Option) + I or go to Code > Insert Chunk (from the menu) to insert a code block "chunk".

## Exercises

1. Look at the documentation for the rep function. **Note:** Before writing anything in the console, try to guess on paper what the function call will look like.

Now, use the rep function to output the following vectors to the R console:

1. 6, 6, 6, 6, 6
2. 3, 2, 3, 2, 3, 2, 3, 2
3. 7, 7, 7, 7, 9, 9, 9, 9

## Enter answers for 1 in this chunk

1. Write a character vector with your 3 favorite food items and assign it to an object called myFaves.
2. Create a factor from the myFaves character vector.
3. Create an ordered factor from the myFaves character vector by arranging the levels argument in the proper order.
4. Load the mtcars dataset by running the data() function on it. How many columns does the data have? How many rows? What function do you use to look at the car makes and models?
5. Use a series of **20** random numbers with a mean of **20** and a standard deviation of **5** to create a matrix with **4** rows.
6. Create a list of 2 vectors (a character vector of a, b, and c and a numeric vector of one to ten) with names element1 and element2.