R Exercises Session 8

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# Setup

First, clone the [Assignment8](https://github.com/CUNYSPHCode/Assignment8) repository to your own GitHub account by forking. Look for the forking button on the GitHub repository page.

You can then modify the repository (namely the R\_Exercises8.Rmd file) and complete the assignment by adding your answers in the appropriate place. Do **NOT** rename the file.

## Completing the assignment

Check your work by knitting the document.

1. Create a level 2 header below in Markdown with the name “Answer 1”.

## Answer 1

1. Add an unordered Markdown list of your favorite food dishes and add their ingredients as sub-items in the list. You should enter at least two dishes with two ingredients each.

* Pizza
  + Dough
  + Sauce
  + Cheese
  + Misc Toppings
* Big Mac
  + All beef paties (x2)
  + Special Sauce
  + Lettuce
  + Cheese
  + Pickles
  + Onions
  + Sesame seed bun

1. Insert an R code chunk below. Show the summary of the Orange dataset. Run a linear regression using the lm function to predict circumference from age and assign the result. Show the summary of the fit object that you assigned.

summary(Orange)

## Tree age circumference   
## 3:7 Min. : 118.0 Min. : 30.0   
## 1:7 1st Qu.: 484.0 1st Qu.: 65.5   
## 5:7 Median :1004.0 Median :115.0   
## 2:7 Mean : 922.1 Mean :115.9   
## 4:7 3rd Qu.:1372.0 3rd Qu.:161.5   
## Max. :1582.0 Max. :214.0

lmOrange <- predict(lm(Orange$circumference ~ Orange$age))  
summary(lmOrange)

## Min. 1st Qu. Median Mean 3rd Qu. Max.   
## 30.00 69.08 124.60 115.86 163.89 186.31

1. Add an RMarkdown weblink (in link format) below to your favorite R reference website.

[RStudio RMarkdown Tutorial](https://rmarkdown.rstudio.com/lesson-1.html)

1. Replace the author field in the yaml header with your name and then successfully knit the RMarkdown document into a Word document.
2. Follow the [Pull Request instructions on GitHub](https://help.github.com/en/github/collaborating-with-issues-and-pull-requests/creating-a-pull-request-from-a-fork) to submit your assignment via GitHub as a Pull Request to the [Assignment8](https://github.com/CUNYSPHCode/Assignment8) repository.