Types of Data Analysis Questions:

<https://d396qusza40orc.cloudfront.net/repdata/docs/Science-2015-Leek-science.aaa6146.pdf>

Stats in R:

This guy’s series are excellent, MarinStatsLectures: <https://www.youtube.com/channel/UCaNIxVagLhqupvUiDK01Mgg>

This (other) guy has a great series on statistics in genomics. This series literally covers everything imaginable in genomics and uses examples:

<https://www.youtube.com/channel/UC1lb9cYp9wt8xjF3APM9bMw>

Best walkthrough of stats meaning from initial data to regression:<http://varianceexplained.org/RData/code/code_lesson3/>

Regression Modeling:

Fitting all models (lm, glm, anova, etc):<https://www.zoology.ubc.ca/~schluter/R/fit-model/>

<http://faculty.ucr.edu/~hanneman/linear_models/c10.html>

This site supports tutorial instruction on an linear models, based on Littell, et al. (2002) SAS for Linear Models.The resources for this chapter (10) and others are fantastic. They describe the material well and walk through examples from the book.

Getting Data

Data Manipulation and Tidying

dplyr

<https://github.com/beaunorgeot/dplyr-tutorial/blob/master/dplyr-tutorial.Rmd>

<http://www.onthelambda.com/2014/02/10/how-dplyr-replaced-my-most-common-r-idioms/>

<https://github.com/hadley/dplyr>

<https://stat545-ubc.github.io/bit001_dplyr-cheatsheet.html>

<http://cran.rstudio.com/web/packages/dplyr/vignettes/introduction.html>

reshape2/tidy data

<http://seananderson.ca/2013/10/19/reshape.html>

<https://drive.google.com/drive/folders/0B5yp7UsslPkzVHJOUWZFR3RsQUE/0B5yp7UsslPkzfldqeExYa3dERzlQeXdsLVdsemc2MzFveEFiWXNMZGsyUjJpN1NteWNqVk0/0B5yp7UsslPkzfkVUYzBmZkczZ09kWm1md1lGd1FXcjJSVFk3Qk4wYWlWR2ZhWUcyRFNwQUU>

<https://github.com/hadley/tidy-data>

Parsing/Regex

\*See my Editing Text Variables, and Regular Expressions docs in Most Useful

Working with Dates: <https://docs.google.com/document/d/1On9rnqO-SOmaECR8eF7WUPL3_KFQMzLqoOfZL79yDc8/edit>