Claudia's DATA 534 Project Notebook

January 15

- Searched for potential APIs for projects

January 16

- Began working with API in R

January 22

- Created first function from API to gather Mars data into a dataframe

January 23

- Created second function that returns a dataframe of just the average temperature, pressure, and windspeed for the last 7 sols
- Created a graph for the second function (scatter line plot) that plots the average temperature, pressure, and windspeed for the last 7 sols

January 29

- Group meeting to discuss next steps

  TO DO:

  [] more research on how measurements are taken and what they signify for a mars weather report
  [] a summary table output
  [] put into library
  [] write a readMe

  [] write a vignette - be sure to describe how to save plot as a variable first then call them

  [] testing and coverage

January 30

- Made the graph for the second function, an optional parameter to pass through the function (gives people the option if they want the graph in addition to the dataframe)

January 31

- Used testhat() in R to create unit tests for all the finished functions

February 1

- Set up Travis CI to do continuous integration on our GitHub repository
- Created the travis.yml file and added necessary information
- Created LICENSE file
- Edit DESCRIPTION file as there were errors
- Added the building pass icon to README once Travis was running
- Reorganized the hierarchy of the files on repository to get Travis to work

February 2

- Tested code coverage, and adjusted tests to cover as much as we could
- Integrated codecov to our GitHub repository
- Edited codecov.yml file a couple times to get codecov to work
- Added codecov icon to README once codecov was integrated

February 3

- Group meeting to discuss last things to do to project:

TO DO:

[] clean up repository
[] make sure all required files are in repository
[] make sure everyone has their project notebooks up to date

February 4

- Cleaned up repository, and got rid of unnecessary files