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