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<McFarland>\_<Margaux>\_TWT.zip

Throughout this project I learned more about cell arrays, like how you can have different dimension arrays in them. I also learned about categorical vectors which is like making a table, so there is data and then categories or titles for that data which makes it easier to graph. I also learned about extracting certain data from a spreadsheet.

One of my biggest challenges was manipulating and comparing strings. I learned a lot of built-in matlab functions that were helpful like split() which split up a string into an array of each word in the string. Also, contains() was very helpful when dealing with the state postal codes and seeing which tweets came from which states.

Another challenge was dealing with cell types. I had to remember to convert them into strings or doubles depending on what I was dealing with, like locations or coordinates because otherwise, I couldn’t compare the cell types to other data types.

I also learned that it is important to debug your code and carefully check before you run your code because it can take a really long time to run, especially when dealing with 3 different spreadsheets of data and looping through all three like in task 10.

I specifically worked on tasks 1-4 and task 10 while my partner did tasks 5-9.