1) I learned a few specific skills during this assignment. The first one which is very useful is the ability to modify the data frame. The first thing I noticed after loading the csv into a dataframe was that the column titles were actually the first row of the dataframe. I used an .iloc Command to switch the first row to the headers of each column. The other key strategy that I used to do this assignment was to identify certain columns that were imported as strings. Columns like PTS and MP (points and minutes played) were imported as strings. Therefore, for values over 1000 for MP the code I wrote would limit the answers to under 1000. I had to use the as.numeric function to convert these to an integer form to conduct the proper analysis. Both of these skills can be applied to future projects where I would need to reset which row is the column headers, or if the data is in the incorrect format (ex. String, integer, etc.)

2) For me, the most difficult part of the analysis was looking up the functions that I needed to complete the questions. I had not previously used certain functions, like the .iloc and as.numeric functions. I found certain help sites like reddit and github repositories very useful for help with the coding portion. I also have had to adapt to changing the data types. I found that when importing the csv, it automatically converts some numeric values as a string, especially if there are values that have a comma (over 1000). It is useful to convert all these to an integer for easier analysis. I am encouraged by how many resources exist for code help as a beginner in the coding realm.

3) I believe that many of the strategies that I just had in this project could be applied to other types of analysis. One of these could be a business where I could analyze current sales, revenue, etc. For me, I am currently an environmental science major at UVA with a data science major. I am doing the data science major in order to make me a more attractive hire as I enter the job market. I could see myself using skills like these to inform my research on data that I collect in the field, and would make my work much more streamline as I spend less time doing data cleaning and analysis and more time in the field. For me, one thing that has been frustrating in my environmental science research was something like unit conversion. Coding could streamline a process like this and save me a lot of time while cleaning my data.