

Part A) What did you learn about working with CSV files and pandas dataframes in this assignment?

- This assignment helped me learn a lot about importing, manipulating, and gaining insights from CSV files using pandas. As a more novice user of pandas I needed to practice many of these skills and learned new ones along the way to efficiently sort through the data to find results of interest (answers to the prompts). I learned that in importing the csv, it might not be clean with the headers you desire etc, before you can use the data effectively. I also learned about specific functions that allow you to subset, sort, and determine specific values, most commonly the maximum. I also learned the importance of keeping track of and resetting data indexes after performing certain operations on the data which I still find to be somewhat difficult, however this assignment served as great practice in how to ensure the results are accurate.

Part B) What was the most challenging aspect of this assignment, how did you overcome it?

- I think the most challenging part of the assignment was small mistakes in my coding in general. I felt as though I made small errors throughout the assignment that would produce an error message or results I knew were not quite correct. This is typical of using a new coding language, I am most familiar with R, and it required me to go into the class github pandas section and review old introductory material covered in class to iron out my mistakes whether it was in importation or grouping the data. I also referred to past labs and assignments to remember how functions like `idxmax()` were supposed to be used.

Part C) How do you think the insights gained from analyzing ACC basketball statistics could be applied to other real-world datasets?

- These data were relatively clean and the results self explanatory, but being able to quickly bring in data stored as a CSV and use pandas code to glean relevant information from a large dataset is quite useful when working with any real-world data. While this assignment was relatively basic, having a foundation in sorting data, and using maximizing functions, properly selecting columns and desired row statistics, etc are all necessary before moving on to more advanced manipulation like creating universal functions. While easily deriving basketball facts from last season's data was fun and interesting to a sports fan like myself, these skills could be applied to any kind of data dealing with much more impactful subject matters such as crime or finance. I did not begin this assignment early enough and consequently learned the value of allotting the proper amount of time for assignments due to the detail oriented nature of coding and

how each step from importation onward needs to be executed properly so that the rest of your code runs smoothly.