Task 2 of the assignment permitted the use of python libraries unlike task 1. This was a relief especially due to the natures of the tasks involved. My first thought after going through the tasks was the opposite of how I felt about task 1. I was certain it was going to challenging. When I took a closer look, I quickly understood what was expected of me and left task 1 to work on task 2. Hence, I completed task 2 before completing task 1.

I initially did not feel any excitement regarding task 2 but when I started working on it, especially, the analysis aspect from FR11 to FR 14, I became excited. I drafted a plan to complete the task in 24hours but ended up procrastinating a lot. After I completed the analysis in FR11 to FR14, I realised I was expected to write about my findings for the graphs and the hypothesis testing. In addition to procrastination, writing about my findings took some time to complete, therefore, even though I aimed to complete the tasks in 24hrs, I did not achieve this goal.

The good thing about task 2 is that I got to try new python libraries I had never used in the past especially for data visualization. Working on task 2 with python libraries made the process easier and faster. However, I became too relaxed when I realised the task was easier than I thought and ended up concluding the task a day before the deadline.

For FR9, I was expected to read two different csv files and merge into one data frame. I was able to accomplish this by importing the \*\*Pandas\*\* library, I then proceeded to read the files and using the merge function, I produced the expected result. For FR10 where the instruction was to clean the data by removing specific columns, this was done in few seconds with the aid of the drop functions. FR11 and FR13 are very similar so I imported the \*\*seaborn\*\* library to visualise my data, specifically using the \*\*lmplot\*\* function to further add a linear regression to the graph. This helped me properly visualise the relationship between my variables. Another library that could be used to achieve this \*\*matplotlib\*\*. Finally, for FR12 and FR14, I tested for hypothesis using \*\*Pearson correlation coefficient\*\*.

Looking back, becoming too relaxed and procrastinating a lot made me fail to complete my task as early as I planned. Luckily, I completed the task before the deadline

I learned a lot from task 2. I learned there are more ways to analyse and visualise data using python. In the past, when I hear about data visualisation and analysis, my mind goes to R programming language but all that changed now. I also learned that procrastination affects work efficiency.

I will ensure to apply all I learned from this task in the future. I will explore other ways of visualising data and testing for hypothesis and ensure to avoid procrastination.