**SCHOOL OF COMPUTING**

**Programming for Data Science**

**Self-Reflection (CA1)**

|  |
| --- |
| **Instructions:**   1. Submit the reflection as an item of your CA1 submission 2. Name your file “YourModuleClass-YourStudentID-YourName\_reflection.docx” |

|  |  |
| --- | --- |
| **Name** | Leo Kai Jie |
| **Student ID** | 2018838 |
| **Module Class** | EL/EP0302/FT/01 |

# QUESTION 1: CHALLENGES - SELF-REFLECTION FOR CA1

Provide a brief reflection of the challenges you have faced in this assignment.

|  |
| --- |
| **Applying code to my dataset**  Although there were sample codes provided in the slides and online, I found it very challenging to adapt particular pieces of code to my dataset to achieve the graphs I desired.  There were many occasions where my output would end up not functioning due to certain errors that would take me copious amounts of time to debug and fix to my frustration. An example of this would be the dual bar chart plot with the same x-axis but different y-axis. It is so easy to obtain in Excel but programming it via matplotlib was incredibly challenging even with online templates.  **Completely new field of programming** I have some basic knowledge of python, HTML, CSS and Java but when it came to application-based programming for data analytics it was a completely new experience for me and really put up a challenge for me especially since I was operating under severe time constraints due to the MST and my family having planned to go overseas immediately after.  I would like to say I have planned my time well to be able to scrape by, however I do not think that the quality of my charts is satisfactory to my standard. The amount of time spent debugging, checking, and changing small bits of code were endlessly frustrating but I am glad to have managed to scrape by. |

# QUESTION 2: ACHIEVEMENTS - SELF-REFLECTION FOR CA1

Provide a brief reflection of what you think you have personally achieved in this assignment or the knowledge or skills you have found satisfaction in learning / acquiring. Indicate all the online courses you have taken.

|  |
| --- |
| This is definitely one of my most challenging projects I have done in my school life, but I can see that I really learned a lot from it. Being able to further develop my forward and critical thinking as I imagined questions to ask my data, and visualize the data is a skillset that can be flexibly applied to any other task that I will wish to perform.  Additionally, I also gained the knowledge that there is so much that you can do with Python, although I do have basic knowledge of Python, my understanding of how to apply it to use cases and software applications is very blur. This project definitely allowed me to better understand the application cases and how to apply Python in data analytics, which I am interested in pursuing in the future.  I have taken 2 Python programming courses namely Crash Course on Python by Google, and Programming for Everybody (Getting Started with Python) by University of Michigan both on Coursera |

**-- End of Self-Reflection --**