**SCHOOL OF COMPUTING**

**Programming for Data Science**

**Self-Reflection (CA2)**

|  |
| --- |
| **Instructions:**   1. Submit this together with your other deliverables at Blackboard “Assignments->CA2” folder 2. Name your file “YourModuleClass-YourStudentID-YourName.docx” |

|  |  |
| --- | --- |
| **Your Name** | Joel Benjamin Surya |
| **Your Student ID** | P1935446 |
| **Your Class** | DIT/FT/2A/23 |

# QUESTION 1: CHALLENGES - SELF-REFLECTION FOR CA2

Provide a reflection of the challenges you have faced in this assignment (CA2) with a comparison of those you faced in CA1. Did you manage to apply any learning experiences from the previous assignment to improve the way you did this assignment?

|  |
| --- |
| One challenged I faced was finding the relevant datasets. For my datasets, I am doing on the topic of climate in Singapore. There were a lot of factors deciding temperature and it was difficult to find all of the dataset on factors. For example, cloud cover is a known factor that decides temperature. I could not find the dataset on data.gov.sg. So I had to make do with what I had from data.gov.sg. Also, I could have picked datasets from other websites but they may not be reliable since I only need the data that is exclusive to Singapore.  Another challenge I faced was doing analysis on the graphs. I wanted to do data analysis properly. So the graphs that I choose must be the right graph. For example, I want to do comparison. I had to find the graph that suits comparison best. Which is a bar graph. So this took me time to do since finding the right graph to do the data analysis was not easy.  Another challenge that I faced was coming up with ways to improve my graphs. When I look at some of my graphs, I felt like it was lacking something. It needed improvement in terms of aesthetics and quality. So I had to research ways on how to improve it. Of course, there were some difficulties encountered. Some of the graphs did not turn out the way I intended it to be. Some of the graphs were ugly and I faced errors as well.  Another challenge that I faced was finding ways to improve my code quality. I wanted to use more for loops, if-else statements, and functions to make graph plotting easier. Finding ways to utilize it was not easy as sometimes I experienced error when I run the program |

# QUESTION 2: ACHIEVEMENTS - SELF-REFLECTION FOR CA2

Provide a reflection of what you think you have personally achieved in this assignment. Do not be shy to highlight extra efforts you have put in for this assignment. This is the place for you to impress upon your tutor on your competency in this area.

|  |
| --- |
| Previously in CA1, I did not do well. I got a B and I was really disappointed with myself. I really thought that I did my best since I met the requirements.  I did thorough research on the topic that I did, which was climate in Singapore. I spent a lot of time doing background research on it, finding what are the factors that affects Singapore’s temperatures, I spent time finding the datasets, I also spent time learning seaborn to code useful and aesthetic graphs.  Honestly, I am proud of myself with this assignment since I was able to use functions, for loops and if-else statements to improve my code quality and I was also pleased with how I did my background research. I was also proud that I was able to use seaborn. I am also proud that I was able to go beyond the requirements. When I look at my CA1 and I compare it to my CA2, you can really see the difference in the amount of effort that I put in. |

# QUESTION 3: EVALUATE YOUR CA2

What grade do you think you deserve for CA2? Justify the grade you gave yourself with reasons.

|  |
| --- |
| What grade do you think you deserve for CA2?  A  State your justifications here  I spent a lot of time doing this data analysis. I did not limit myself to the requirements. I went on and use seaborn which is beyond the syllabus. I gave my 110% for this assignment. I really put in all my hours for this assignment and I was proud that I was able to do so. I also improved my code quality and I did a good amount of background research and I feel that what I wrote for the background research in the notebook was really sufficient and well written. |

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