**SCHOOL OF COMPUTING**

**Programming for Data Science**

**Self-Reflection (CA2)**

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

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| **Your Student ID** | P1940208 |
| **Your Class** | DIT/FT/1B/14 |

# QUESTION 1: CHALLENGES - SELF-REFLECTION FOR CA2

Provide a brief reflection of the challenges you have faced in this assignment (CA1) 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?

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| In the last assignment CA1, I found that I have difficulties coming out with questions and thinking what kind of charts/graphs should be produced. Thus, in this assignment, I managed to apply the experience from previous assignment by crafting a storyline first before coming out with charts and analysis, this helps me a lot. The challenges I have faced in this assignment is I find difficult in searching for dataset as some of the dataset is not that informative and contains lesser data which caused me to have difficulty in coming out different type of graphs and analysis. |

# QUESTION 2: ACHIEVEMENTS - SELF-REFLECTION FOR CA2

Provide a brief 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.

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| In this assignment, I have learnt to create a storyline first before generating the graphs. Besides, I have also learnt how to manipulate data and clean the data using pandas.  Besides, I have done research on how to put the labels values on the bar chart to get better visualization of graph. I have also done research on how to create the line of best fit for the scatter plot.  In this assignment, I feel like I have learnt how to gain deeper insights compared to the previous assignment.  I have actually done some research on how to apply ipywidgets and bokeh for interactive visualization. Although I did not apply it in this assignment, I still learnt something new. |

# QUESTION 3: EVALUATE YOUR CA2

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

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| What grade do you think you deserve for CA2?  A  State your justifications here  This is because I have put in effort in doing this assignment as I have tried over and over again to generate the best graphs. I have also done extra research to see what can I do to upgrade my graphs. Besides, I have also asked advice from my lecturer so that I can know what to improve in my CA. Furthermore, I have utilized the knowledge that I have learned during the lecture lessons. I feel like I have learned more things and gained more experience and functions in Python when it comes to generating graphs and data analysis. |

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