**SCHOOL OF COMPUTING (SOC)**

**IT8701 Introduction to Programming for Data Science**

**Self Reflection (CA2)**

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

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| **Your Lecturer’s Name** | Miss Junie Tan |
| **Your Name** | Zheng Yimin |
| **Your Student ID** | P7053148 |
| **Your Class** | NSDAI - 01 |

# QUESTION 1: RATE THE EFFORTS AND COMPETENCY THAT IS DEMONSTRATED IN THIS ASSIGNMENT

Tick in the column that best describes the efforts, technical competency and depth of data analysis that is demonstrated in this assignment.

Justify your rating in the second and third questions below

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **WAY Above Average** | **Above Average** | **Average** | **Below Average** | **Way Below Average** |
| Coding |  | X |  |  |  |
| Analysis |  | X |  |  |  |

# QUESTION 2: JUSTIFICATION FOR RATING GIVEN FOR CODING

Please provide evidence that you have met the requirements (AVERAGE) or if you think your submission is above average or even above average, state details of what you have done here so that your lecturer does not miss out the efforts you have put in for this assignment. For CA2, the basic requirements are to produce 4 different graphs with at least 3 datasets.

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| I think I am above average as I have fulfilled all the criteria as listed out in the assignment outline (e.g. using SQL to import my data, creating charts from my datasets etc) and also went a step ahead by creating both pygal and bokeh interactive charts with my data. |

# QUESTION 3: JUSTIFICATION FOR RATING GIVEN FOR DATA ANALYSIS

Please provide evidence that you have met the requirements (AVERAGE) or if you think your submission is above average or even above average, state details of what you have done here so that your lecturer does not miss out the efforts you have put in for this assignment.

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| I have made use of research data from articles online to back up with my data provided. Besides that, I have also used other data sets given to interpret and elaborate on my findings. |

# QUESTION 4: YOUR FUTURE PLANS

How do you rate your programming competency with data analysis tasks after completing this assignment? Give yourself a rating from 0 to 10.

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| Rating: 6  I feel that there are many more libraries that I can explore (e.g. Scikit, tensorflow etc) and this course is definitely a good start to build my foundation in python. I look forward to trying out more libraries in python and hopefully be able to apply to my career. |

After finishing the PDC1 of your Specialist Diploma, which do you think you prefer or is stronger at? The Statistics or Programming portion? How has this realisation affected your mindset of a Data Science job? Do you enjoy a Data Science role that mainly involves application of lots of statistical concepts (improving predictive algorithms for instance) or one that requires a lot of programming (e.g. code to acquire or clean data) or perhaps both equally excite you? 😊

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| I think I am stronger at the Statistics portion. It made me realise the importance of programming tools in a Data Science career, and I really enjoyed what I have learnt so far. Although I have learnt statistics before, this is my first time actually using python and minitab to compute statistical data for future predictions and analyses. I find the usage of softwares for such purposes very interesting and hope to continue my studies on it. |

Are there any useful skills that you gained from this module? Share how you think the skills you learnt from this module can be applied in your current job or in a future career / job change.

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| * Programming skills * Managing SQL databases, which I feel is very important for companies which handles huge amount of data * Learning how to google the right keyword to debug my python codes * Working on problems/datas independently and being motivated to self-learn and find solutions to problems/challenges faced. |

What was not taught in this module, but you wish to learn? How do you plan to learn these missing skills?

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| I feel that the module was overall, relatively comprehensive in building up my foundations in python. There are definitely other libraries (e.g. scikit and tensorflow) which I would like to explore, and perhaps also try to find out ways in how python can be used effectively in my current job / future jobs. |

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