**SCHOOL OF COMPUTING**

**Programming for Data Science**

**Self-Reflection (CA1)**

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| **Instructions:**   1. Submit this at Blackboard “Assignments->CA1->Self-Reflection” folder 2. Name your file “YourModuleClass-YourStudentID-YourName.docx” |

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| **Module Class** | ST0248 : PROGRAMMING FOR DATA SCIENCE |

# QUESTION 1: CHALLENGES - SELF-REFLECTION FOR CA1

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

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| Challenges in read the data from csv files by using genfromtxt() function:  Data type Object (dtype) in NumPy Python  Unfamiliar with Python and encounter difficulties in bug handling:  print(f'Year with the highest total number of Home nursing: { data\_homeN[argmax\_Nursing][‘year’]}')    Extract only the rows with certain data - using boolean indexing  Choosing appropriate statistic chart for each data set  Describing the chart and making conclusion |

# 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.

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| Using stackoverflow to debug whenever cannot solve by myself  Choose different charts for various of dataset type  Describe charts and make conclusion and recommendation  Learn from online function documentation:  <https://numpy.org/doc/stable/reference/generated/numpy.argmax.html>  <https://www.geeksforgeeks.org/data-type-object-dtype-numpy-python/>  <https://www.w3schools.com/python/numpy/numpy_intro.asp>  online courses I have taken:  <https://www.youtube.com/watch?v=kFg3SV4GY1U&t=151s>  <https://www.youtube.com/watch?v=q5uM4VKywbA&t=284s>  <https://www.youtube.com/watch?v=DAQNHzOcO5A&t=309s> |

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