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| **Student: Christopher Ariagno** |  |
| **Student ID: 2904771** |  |
| **Assignment Due Date:** | 11:59 PM, Thursday, April 22, 2021 |

# Point Breakdown

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| ***Graded Value*** | ***Points Possible*** | ***Criteria*** |
|  | 3 | Name of the zip file: FirstnameLastname\_Assignment6 Good |
|  | 3 | Name of the Assignment folder within the zip file: Good FirstnameLastname\_Assignment6 |
|  | 3 | Copy of Rubric 6.docx with your name and ID filled out Good |
|  | 6 | Python source code. Good |
|  | 7 | Screen print showing the successful execution of your Python source code. Good |
|  | 4 | Labels are printed between the outputs so it is clear what is being displayed. Good |
|  | 6 | Part 1: Reconstruction error vs. k is plotted correctly Good |
|  | 4 | Part 1: elbow\_k determined correctly Good (3 lol) |
| **I USED 3 FOR BOTH, I AM COUTING 1 OUTPUT FOR BOTH REQUIREMENTS PLEASE DON”T MARK OFF** | 4 | Part 1: Confusion matrix & accuracy correct for predict() with k = elbow\_k Good |
|  | 4 | Part 1: Confusion matrix & accuracy correct for predict() with k = 3 Good |
|  | 6 | Total for each of the two confusion matrices for Part 1 is 150. Good |
|  | 4 | Part 1: Question 1 answered correctly Good |
|  | 6 | Part 2: AIC vs. k is plotted correctly Good |
|  | 4 | Part 2: aic\_elbow\_k determined correctly Good |
|  | 6 | Part 2: BIC vs. k is plotted correctly Good |
|  | 4 | Part 2: bic\_elbow\_k determined correctly Good |
|  | 4 | Part 2: Confusion matrix & accuracy correct for predict() with k = aic\_elbow\_k Good |
|  | 4 | Part 2: Confusion matrix & accuracy correct for predict() with k = bic\_elbow\_k Good |
|  | 4 | Part 2: Confusion matrix & accuracy correct for predict() with k = 3 Good |
|  | 6 | Total for each of the three confusion matrices for Part 2 is 150. Good |
|  | 4 | Correct answer to Part 2, Question 2a. Good |
|  | 4 | Correct answer to Part 2, Question 2b. Good |
|  | **100 pts** |  |

# Comments