Assignment No. 6 Rubric

EECS 658

Introduction to Machine Learning

Due: 11:59 PM, Thursday, November 10, 2022

**Student: Alex Anderson**

**Student ID: 2991167**

# Point Breakdown

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

# Grader Comments