Assignment No. 5 Rubric

EECS 658

Introduction to Machine Learning

Due: 11:59 PM, Thursday, October 27, 2022

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# Point Breakdown

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| ***Graded Value*** | ***Points Possible*** | ***Criteria*** |
|  | 2 | Name of the zip file: FirstnameLastname\_Assignment5 (with your first and last name) |
|  | 2 | Name of the Assignment folder within the zip file: FirstnameLastname\_Assignment5 |
|  | 2 | Copy of Rubric 5.docx with your name and ID filled out |
|  | 2 | Python source code. |
|  | 2 | Screen print showing the successful execution of your Python source code. |
|  | 9 | For Part 1, the Accuracy score matches the Confusion Matrix. |
|  | 9 | For Part 1, the Class Balanced Accuracy score matches the Confusion Matrix. |
|  | 9 | For Part 1, the Balanced Accuracy score matches the Confusion Matrix. |
|  | 9 | For Part 1, the code printed out the balanced accuracy score calculated by the scikit-learn function balanced\_accuracy\_score |
|  | 9 | For the random oversampling method of Part 2, the code used the correct imbalanced-learn toolbox function and printed out a Confusion Matrix and correct Accuracy score. |
|  | 9 | For the SMOTE oversampling method of Part 2, the code used the correct imbalanced-learn toolbox function and printed out a Confusion Matrix and correct Accuracy score. |
|  | 9 | For the ADASYN oversampling method of Part 2, the code used the correct imbalanced-learn toolbox function and printed out a Confusion Matrix and correct Accuracy score. |
|  | 9 | For the random undersampling method of Part 3, the code used the correct imbalanced-learn toolbox function and printed out a Confusion Matrix and correct Accuracy score. |
|  | 9 | For the Cluster undersampling method of Part 3, the code used the correct imbalanced-learn toolbox function and printed out a Confusion Matrix and correct Accuracy score. |
|  | 9 | For the Tomek links undersampling method of Part 3, the code used the correct imbalanced-learn toolbox function and printed out a Confusion Matrix and correct Accuracy score. |
|  | **100 pts** |  |

# Grader Comments