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| **Student:** | Yiju Yang |
| **Student ID:** | 2847627 |
| **Assignment Due Date:** | 11:59 PM, Friday, October 16, 2020 |

# Point Breakdown

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| ***Graded Value*** | ***Points Possible*** | ***Criteria*** |
|  | 5 | Copy of Rubric 4.docx with your name and ID filled out |
|  | 5 | Python source code for CompareFeatureSelectionMethods |
|  | 6 | Screen print showing the successful execution of  CompareFeatureSelectionMethods |
|  | 6 | For each Part, the confusion matrix matches the accuracy metric. |
|  | 6 | The values in the 4 confusion matrices each add up to 150 |
|  | 6 | The final features are listed for each Part. |
|  | 6 | For Part 3, the subset of features, accuracy, Pr[accept], Random Uniform, and Status is printed out for 100 iterations. |
|  | 6 | For Part 3, the Status (i.e., Improved, Accepted, Discarded, or Restart) is correct for each iteration |
|  | 6 | For Part 4, the 5 best sets of features and their accuracy are printed out for 50 generations. |
|  | 6 | For Part 4, the 5 best sets of features for the first generation are not the same as those for the last generation. |
|  | 6 | Answer to 4 is correct. |
|  | 6 | The answer to 5a is correct based on the accuracy metric for each of the Parts. |
|  | 6 | Answer to 5b is correct for 2nd best feature selection method |
|  | 6 | Answer to 5b is correct for 3rd best feature selection method |
|  | 6 | Answer to 5b is correct for 4th best feature selection method |
|  | 6 | Answer to 5c is correct based on the results of Part 2 and Part 3. |
|  | 6 | Answer to 5d is correct based on the results of Part 2 and Part 4. |
|  | **100 pts** |  |

# Comments