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| **Tester** | Jason Toh Zhern Wee |
| **Test type** | Integration |
| **Component** | Preprocess |
| **Number of test suites** | 1 |
| **Number of test cases** | 5 |
| **Status** | Complete |
| **Test file** | preproces\_test.py |
| **Date of completion** | 19/09/2021 |

Testing the functionality of Preprocess

Rows highlighted yellow indicate test cases that have found issues present in the UI

# Test suite 1 (19/9/2021)

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| Test case ID | Test case description | Test data/setup | Expected Result | Actual Result | Pass/Fail |
| 1 | Perform preprocessing with different value of folds | Using f = 3,4,5 as an argument to test preprocessing | * f=3 returns 3 train-test splits * f=4 returns 4 train-test splits * f=5 returns 5 train-test splits | * f=3 returns 3 train-test splits * f=4 returns 4 train-test splits * f=5 returns 5 train-test splits | Pass |
| 2 | Perform preprocessing with CFS Feature Selection | Pass in CFS as an argument to preprocessing | Returns the preprocessed data sets using features from CFS | Returns the preprocessed data sets using features from CFS | Pass |
| 3 | Perform preprocessing with RFE Feature Selection | Pass in RFE as an argument to preprocessing | Returns the preprocessed data sets using features from RFE | Returns the preprocessed data sets using features from RFE | Pass |
| 4 | Check to see if preprocessing works when the number of folds is larger than the number of members in each class | Using a large k fold such as 20 | An exception occurred | An exception occurred | Pass |

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| Test case ID | Test case description | Test data/setup | Expected Result | Actual Result | Pass/Fail |
| 5 | Checks to see if preprocessing works when the number of folds is larger than the number of features present | Using a large k fold such as 20 along with CFS | An exception occurred | An exception occurred | Pass |

# Results

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| **Screenshot 1 (Test file)** |
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| **Screenshot 2 (Test suite 1 output)** |
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