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| **Tester** | Jason Toh Zhern Wee |
| **Test type** | Unit |
| **Component** | F1\_Score |
| **Number of test suites** | 1 |
| **Number of test cases** | 5 |
| **Status** | Complete |
| **Test file** | f1\_test.py |
| **Date of completion** | 14/09/2021 |

Testing the functionality of F1

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

# Test suite 1 (14/9/2021)

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| Test case ID | Test case description | Test data/setup | Expected Result | Actual Result | Pass/Fail |
| 1 | Check if the evaluation metric returns a floating value | Perform F1 on a model with appropriate test data | Returns a floating value | Returns a floating value | Pass |
| 2 | Check if the evaluation metric works with test set of different dimensions | Perform F1 on a model and with test set of different dimensions | An exception occurred  (Passing 1D array instead of 2D array) | An exception occurred  (Passing 1D array instead of 2D array) | Pass |
| 3 | Check if the evaluation metric works with insufficient number of samples in test set | Perform F1 on a model with test set | An exception occurred  (Inconsistent number of samples) | An exception occurred  (Inconsistent number of samples) | Pass |
| 4 | Check if the evaluation metric works with one class of sample in test set | Perform F1 on a model with test set | An exception occurred  (One class of sample is present) | An exception occurred  (One class of sample is present) | Pass |

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| --- | --- | --- | --- | --- | --- |
| Test case ID | Test case description | Test data/setup | Expected Result | Actual Result | Pass/Fail |
| 5 | Check if the evaluation metric works with empty test set | Perform F1 on a model with empty test set | An exception occurred (Empty test set) | An exception occurred (Empty test set) | Pass |
| 6 | Check for correctness with the library version of F1 and manual calculation of F1 | Perform F1 from library with manual calculated F1 | Both return the same result | Both return the same result | Pass |

# Results

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