

CSE 523 Machine Learning

Progress Report - 7

Section 1

Date of Submission: 6th April 2022

Group Name: **Bug Smashers**

Group Details

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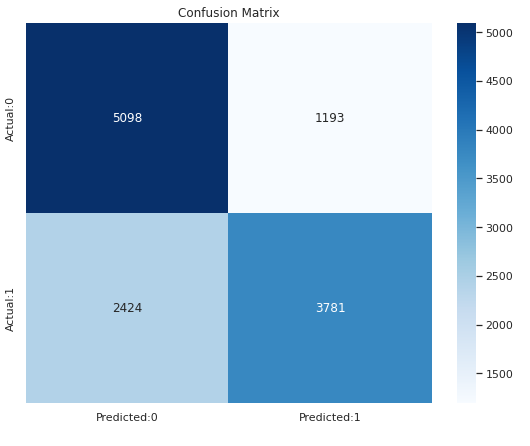
2022 Winter Semester

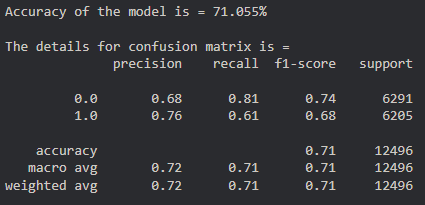
# Tasks Performed in the week

* + Applied various algorithm to the processed dataset like:
    1. Decision Tree
    2. SVM
    3. LDA

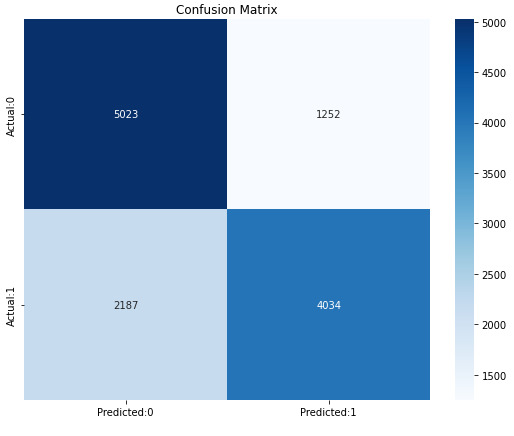
# Outcomes of the tasks performed

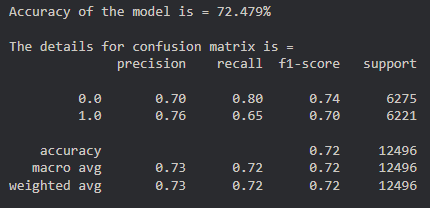
* + Decision tree resulted in an accuracy of 71.055% which is almost similar to that of KNN with K=100 i.e. 71% but marginally smaller than naive bayes done last week having accuracy of 71.911%.



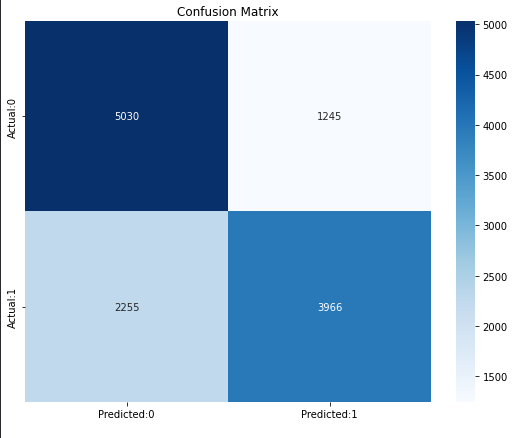


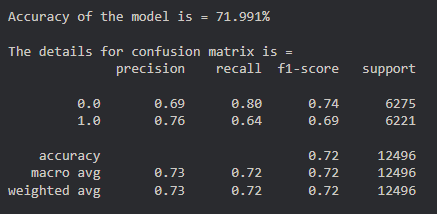
* + Support Vector Machine (SVM) resulted in an accuracy of 72.479% which is highest among all algorithms processed till now beating the next best of 72.27%.





* + Linear Discriminant Analysis (LDA) resulted in an accuracy of 71.991% which is among the average accuracy we have received till now and is the last algorithm we worked on.





# Tasks to be performed in the upcoming week

* + Explore and apply some methods of dimensionality reduction like PCA