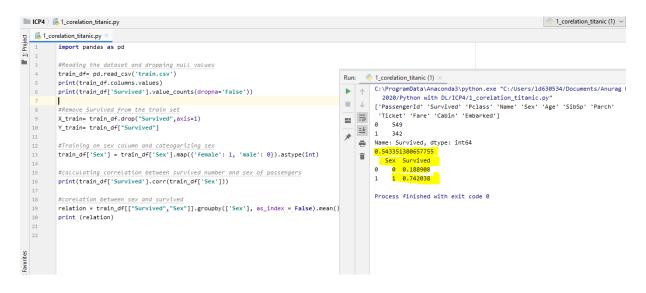
In Class Programming Report - 4

Class ID 24 - Anurag Thantharate

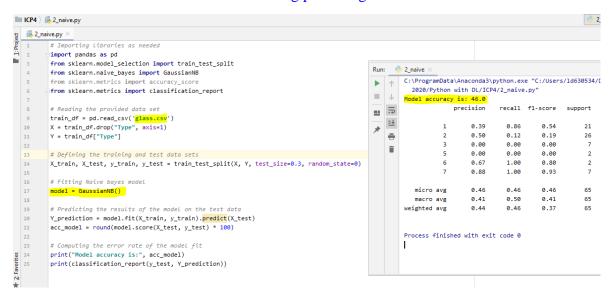
Date Submitted: 02/16/2020

Video Link: https://www.loom.com/share/da1857f462c34d839be9a2c6b88656ca

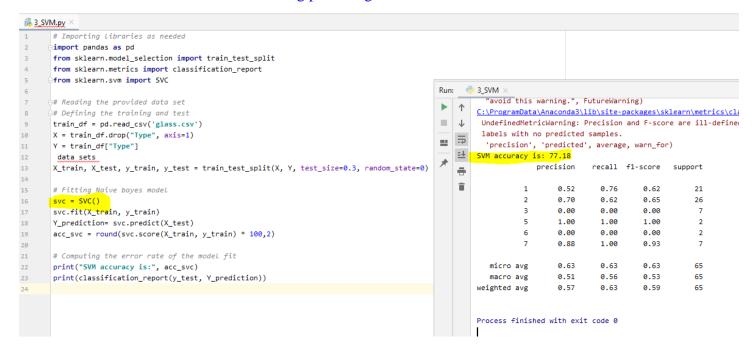
• Find the correlation between 'survived' (target column) and 'sex' column for the Titanic use case in class. Do you think we should keep this feature?



- Implement Naïve Bayes method using scikit-learn library.
 - Use dataset available in https://umkc.box.com/s/anji6c8g6034ptm0hgii6fhcu919kx8x
 - Use train_test_split to create training and testing part
 - Evaluate the model on testing part using score and



- 3. Implement linear SVM method using scikit library
 - Use the same dataset above
 - Use train_test_split to create training and testing part
 - Evaluate the model on testing part using score and



Which algorithm you got better accuracy? Can you justify why?

SVM got better accuracy in provided dataset. SVMs are more likely to perform better as they can handle non-linearities in the data. Naive Bayes performs best when the features are independent of each other.
