**NEURAL NETWORK DEEP LEARNING**

**ICP\_4\_SPRING24 ASSIGNMENT- 5**

NAME : JAYADEEP NAGUBATHULA

UCM ID: 700747518

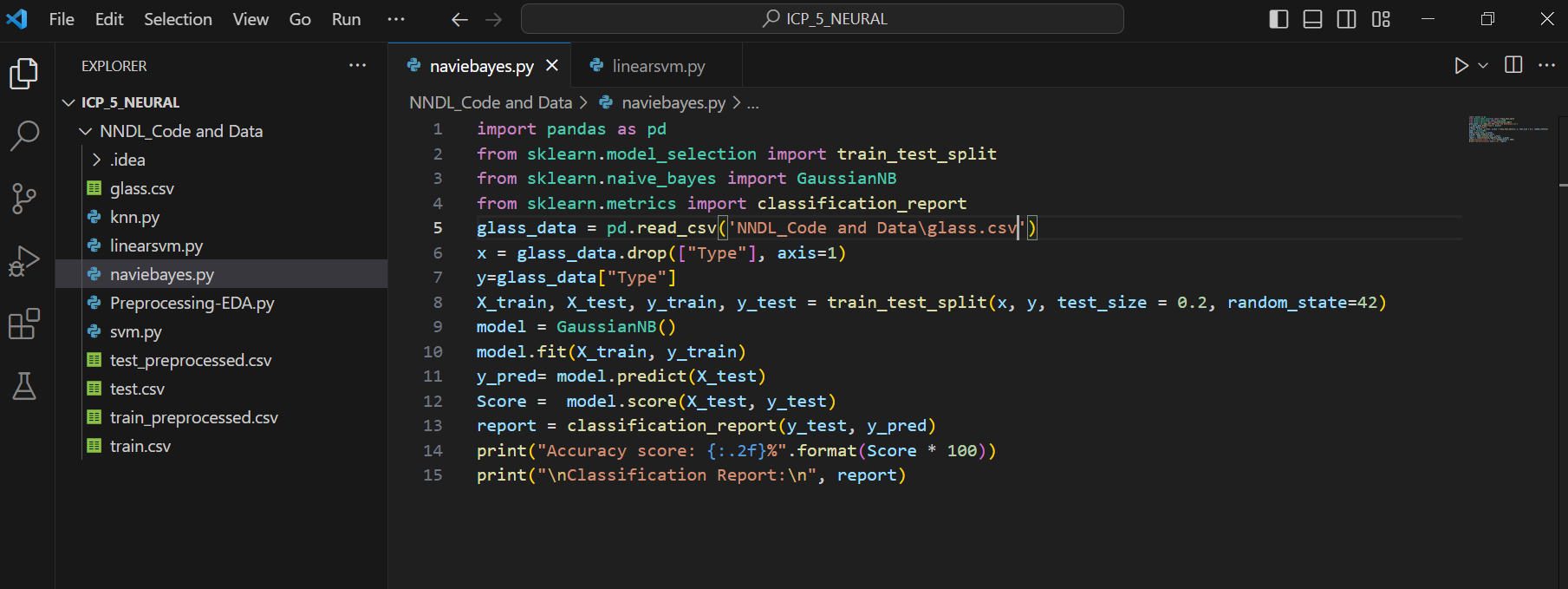
GITHUBLINK:

<https://github.com/JayadeepNagubathula/ICP_5_SPRING24>

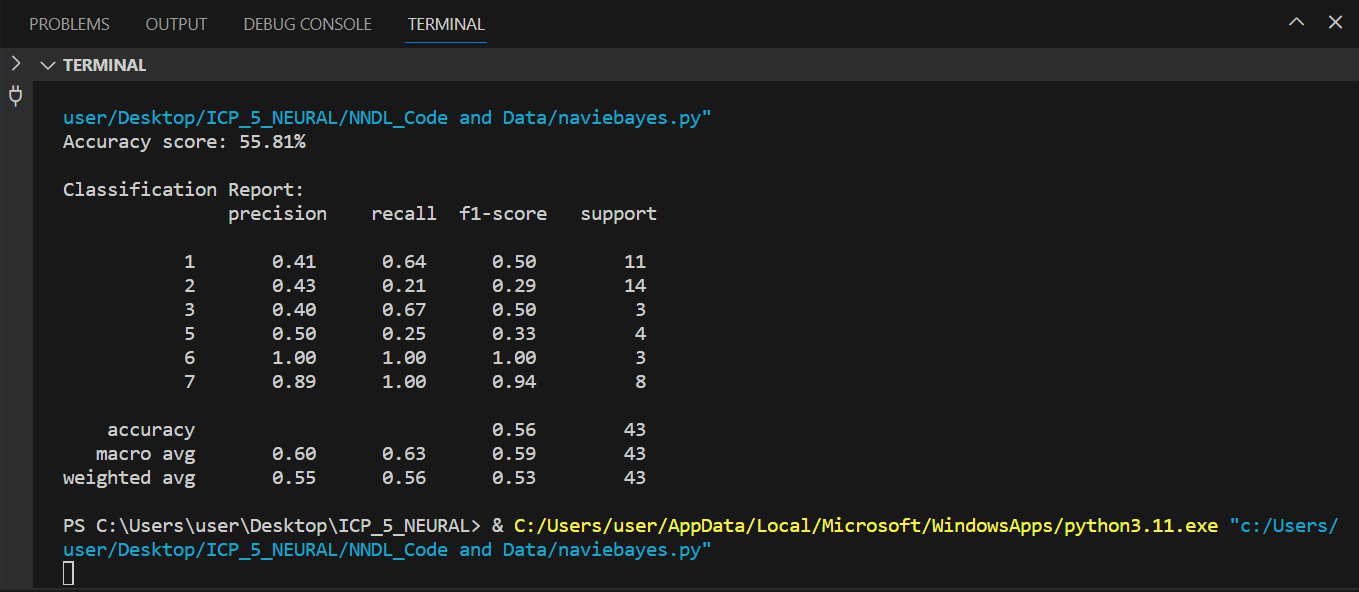
Video Link:

<https://github.com/JayadeepNagubathula/ICP_5_SPRING24/assets/156541783/1b6599cf-0acf-4032-b5ec-e353a27ba53b>

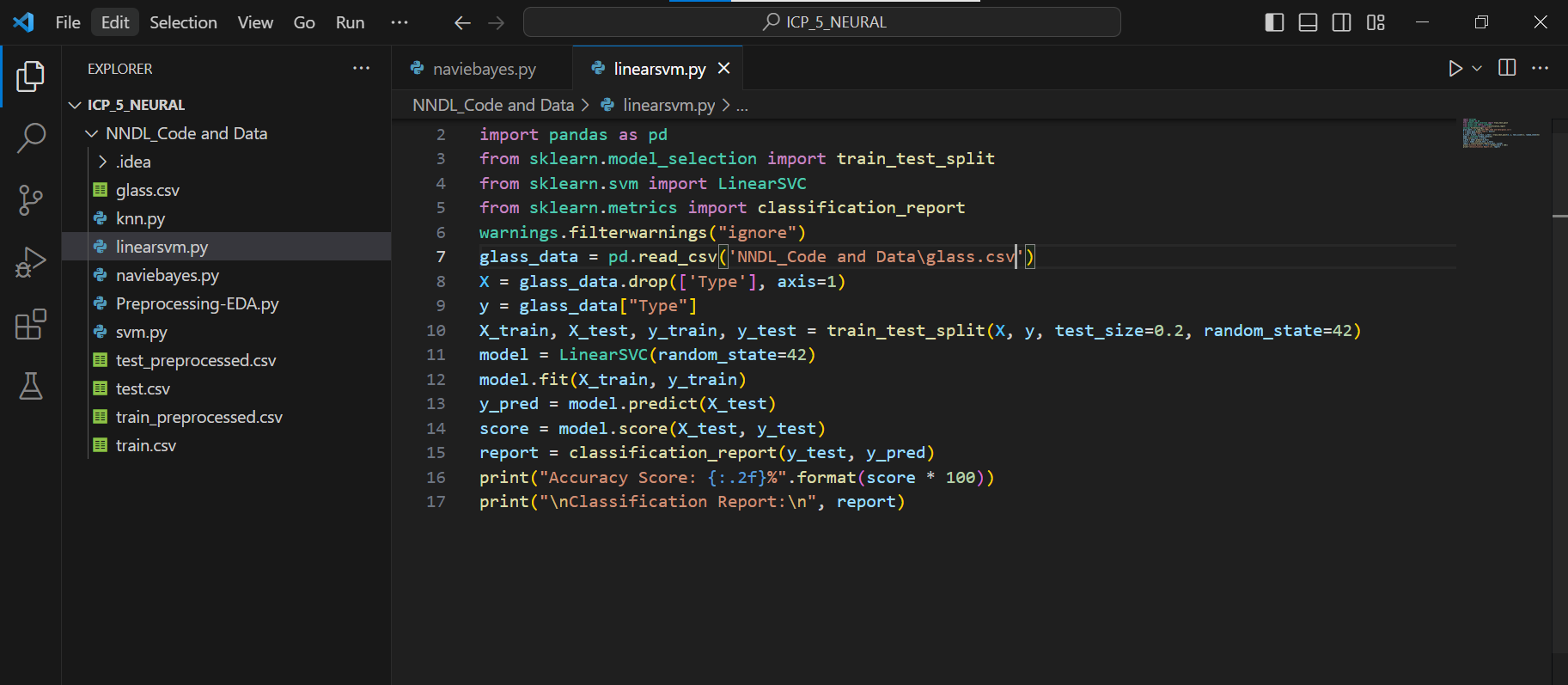
Navie Bayes Algorithm:



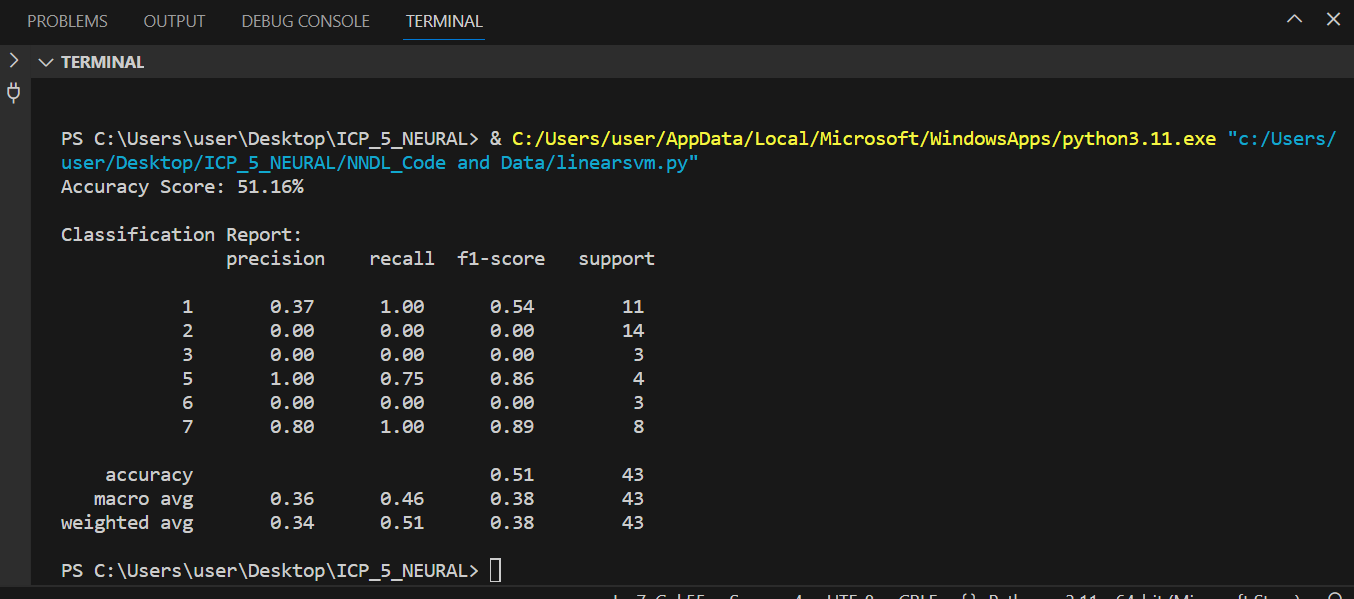
OUTPUT:



Linear SVM:



OUTPUT:



More Effective?

By seeing the accuracy results we came to know that Navie Bayes algorithm is more efficient for less trained data and it is less expensive than the Linear SVM. We got 56% accuracy in Navie based algorithm compared to Linear SVM which is 51% only. So Navie Bayes is the most effective for all type of data sets.