

AI-ASSIGNMENT_4

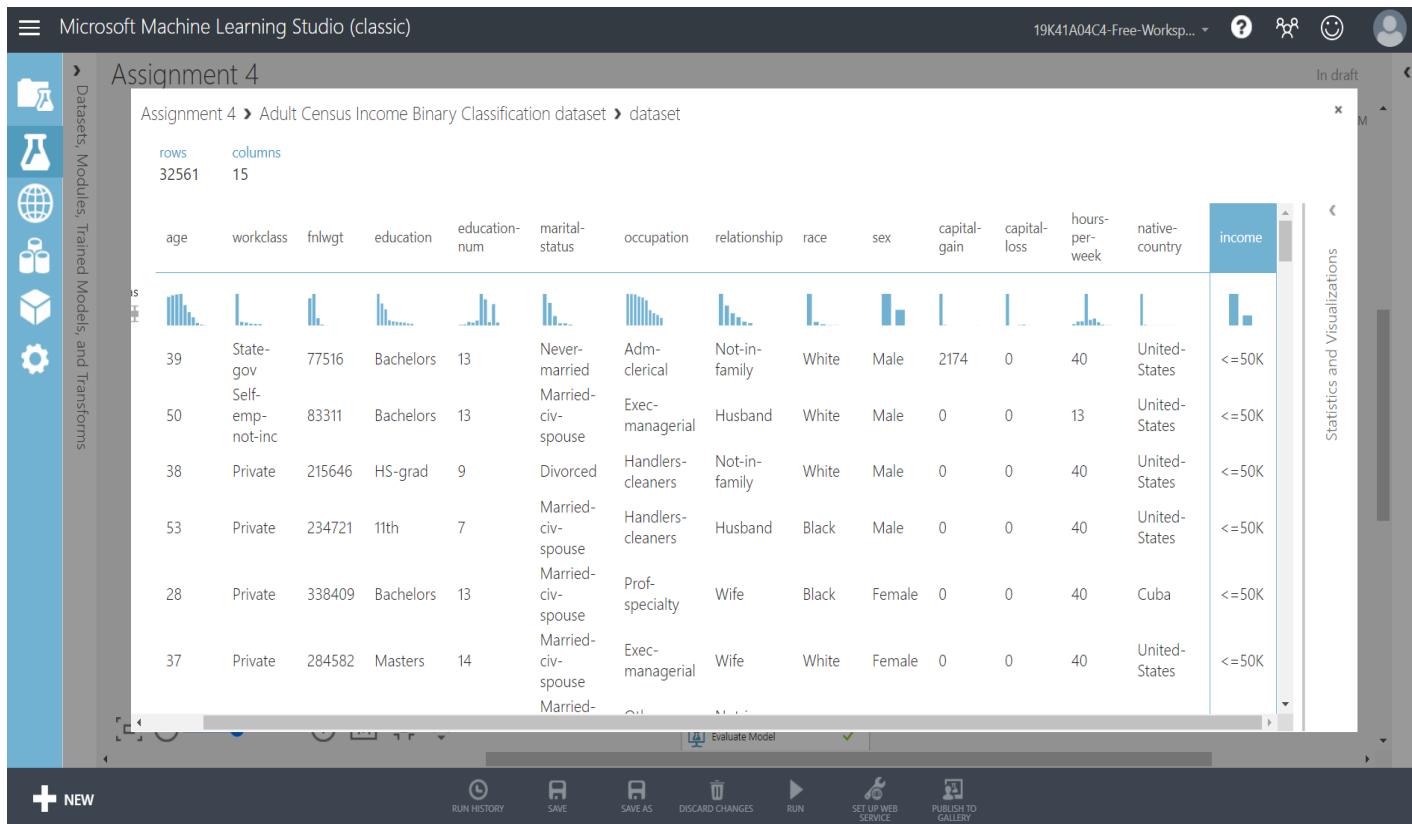
Varshith Reddy

19K41A04C4

WORK FLOW:

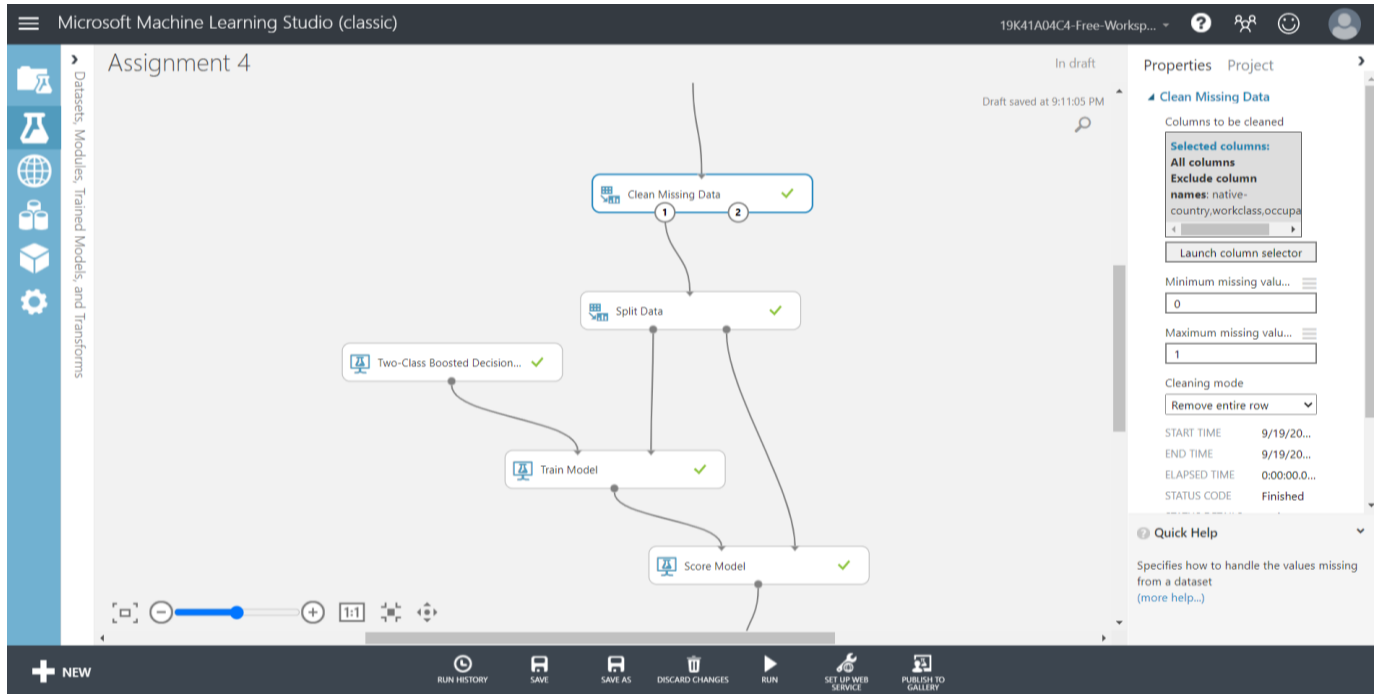
In this I have used Adult Census Income Binary Classification dataset as the Dataset

Study the data



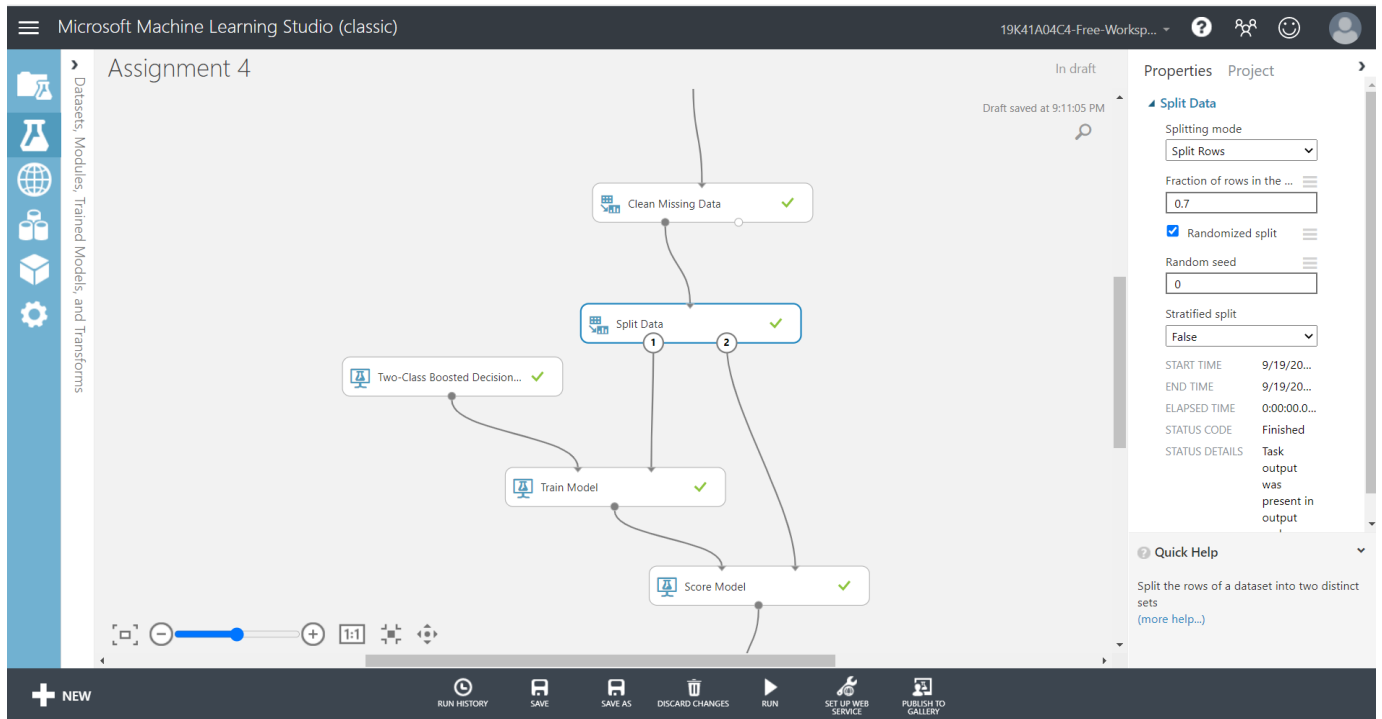
Clean Missing Data:

Remove the rows which are not having native-country, work class, occupation.

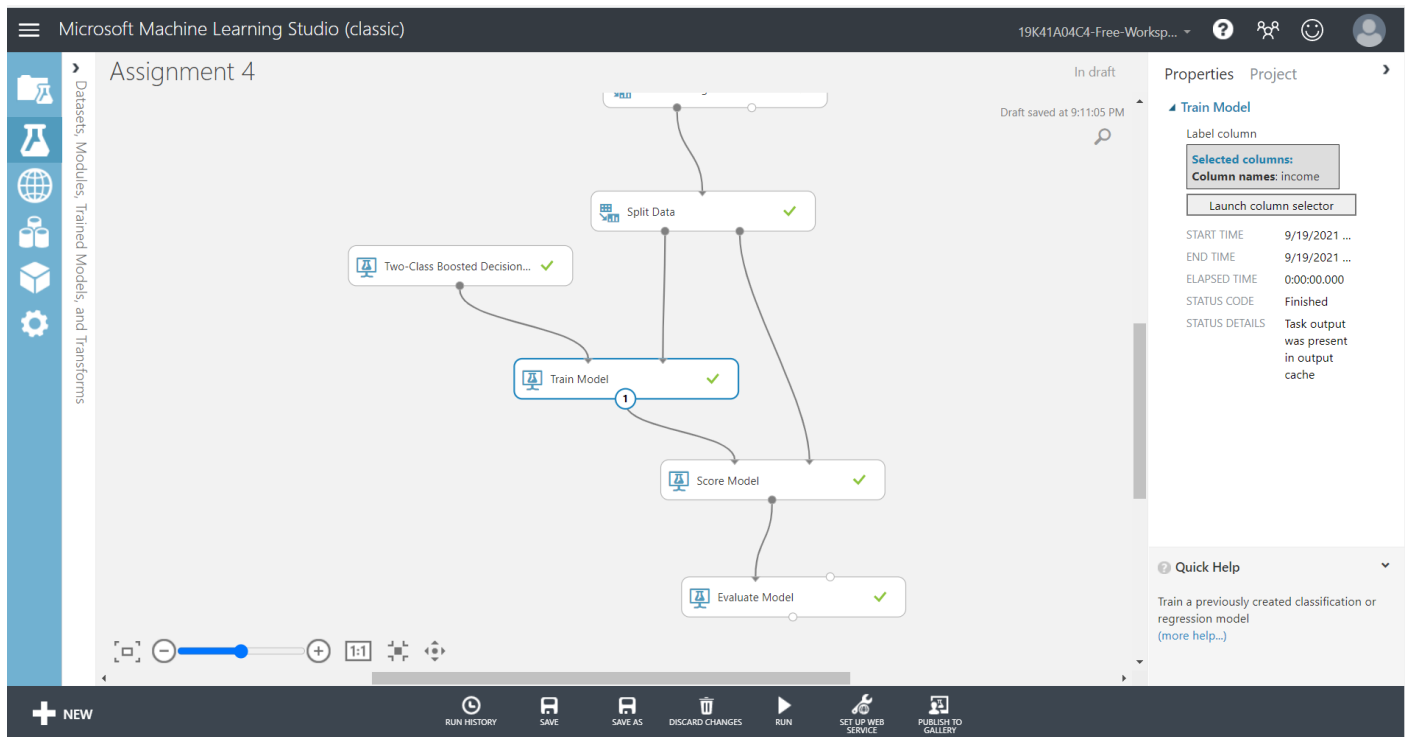


Split Data for training and testing:

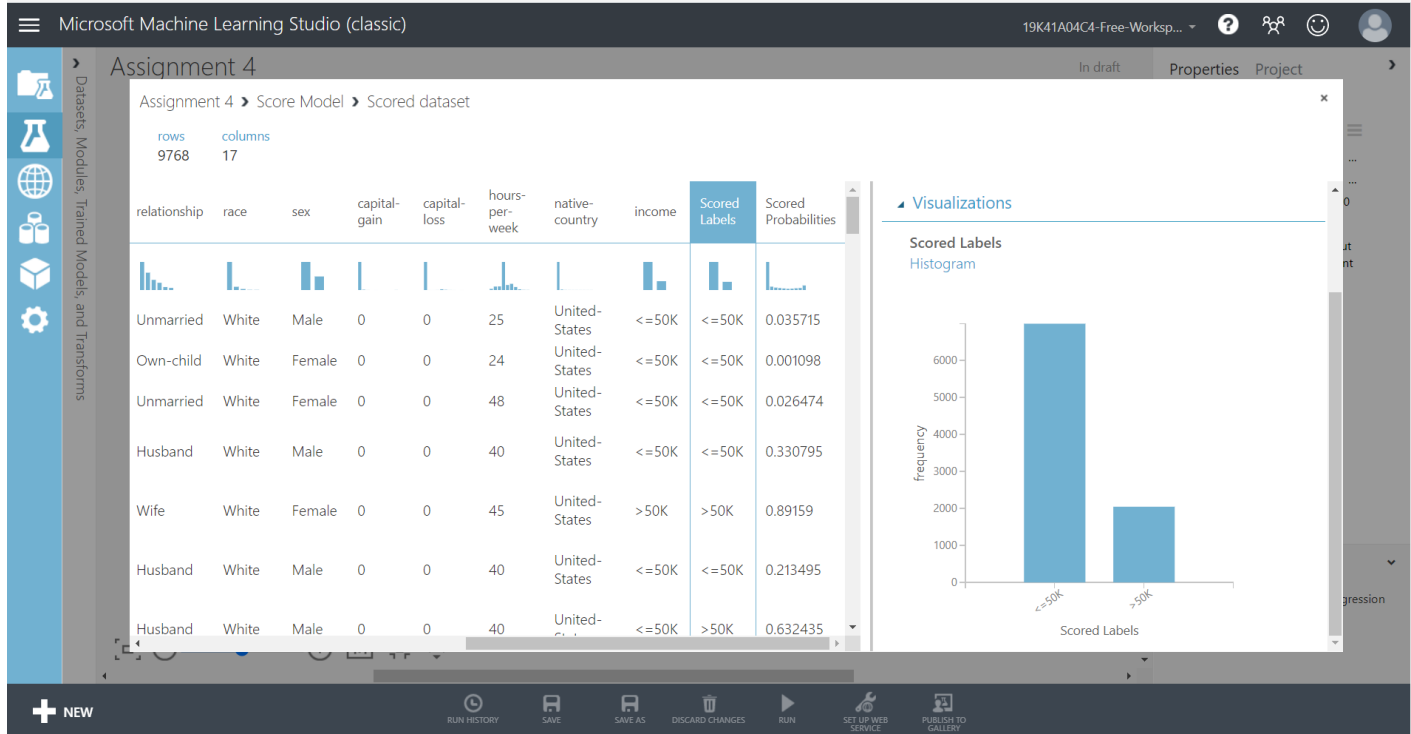
Split data in 70:30 ration that is 70% for training and 30% for testing



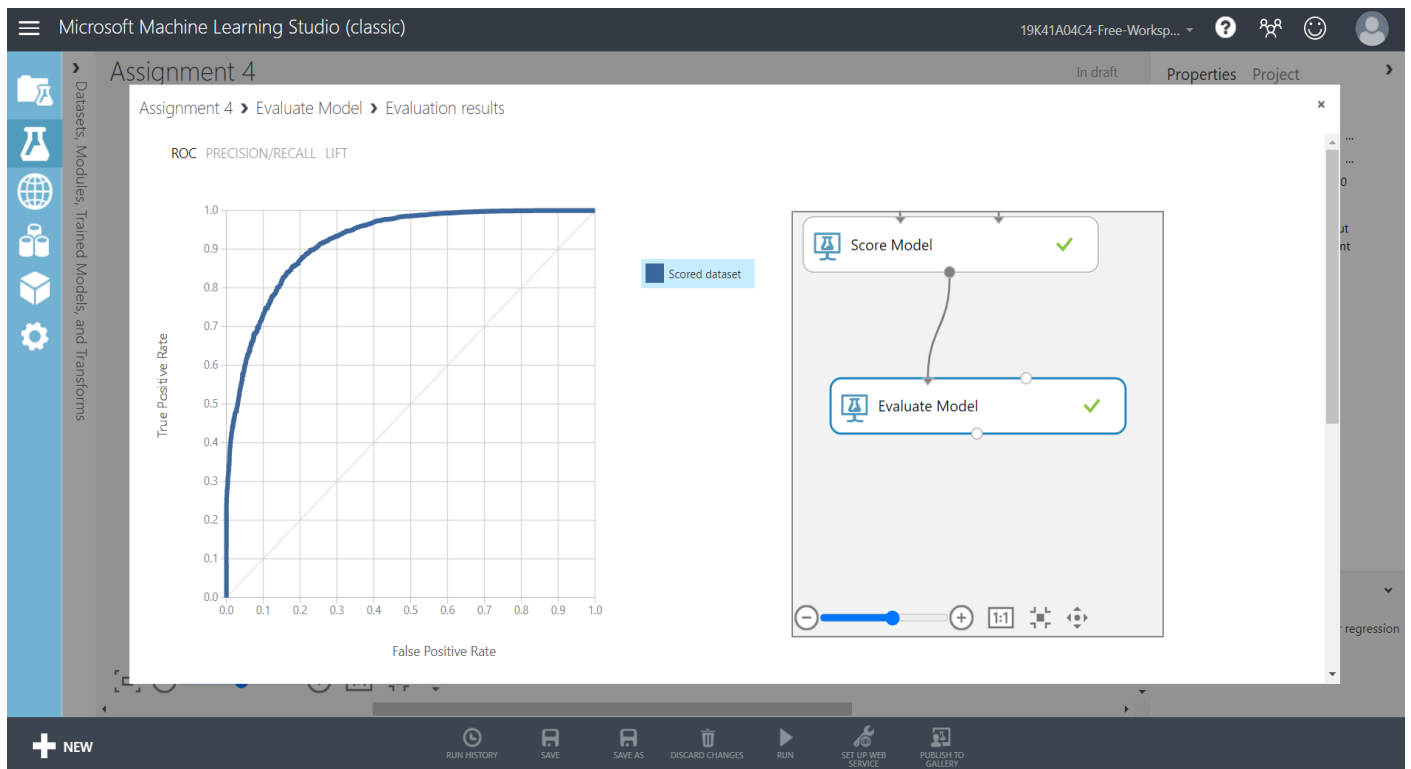
Train model with Two-Class Boosted Decision Tree and training data:

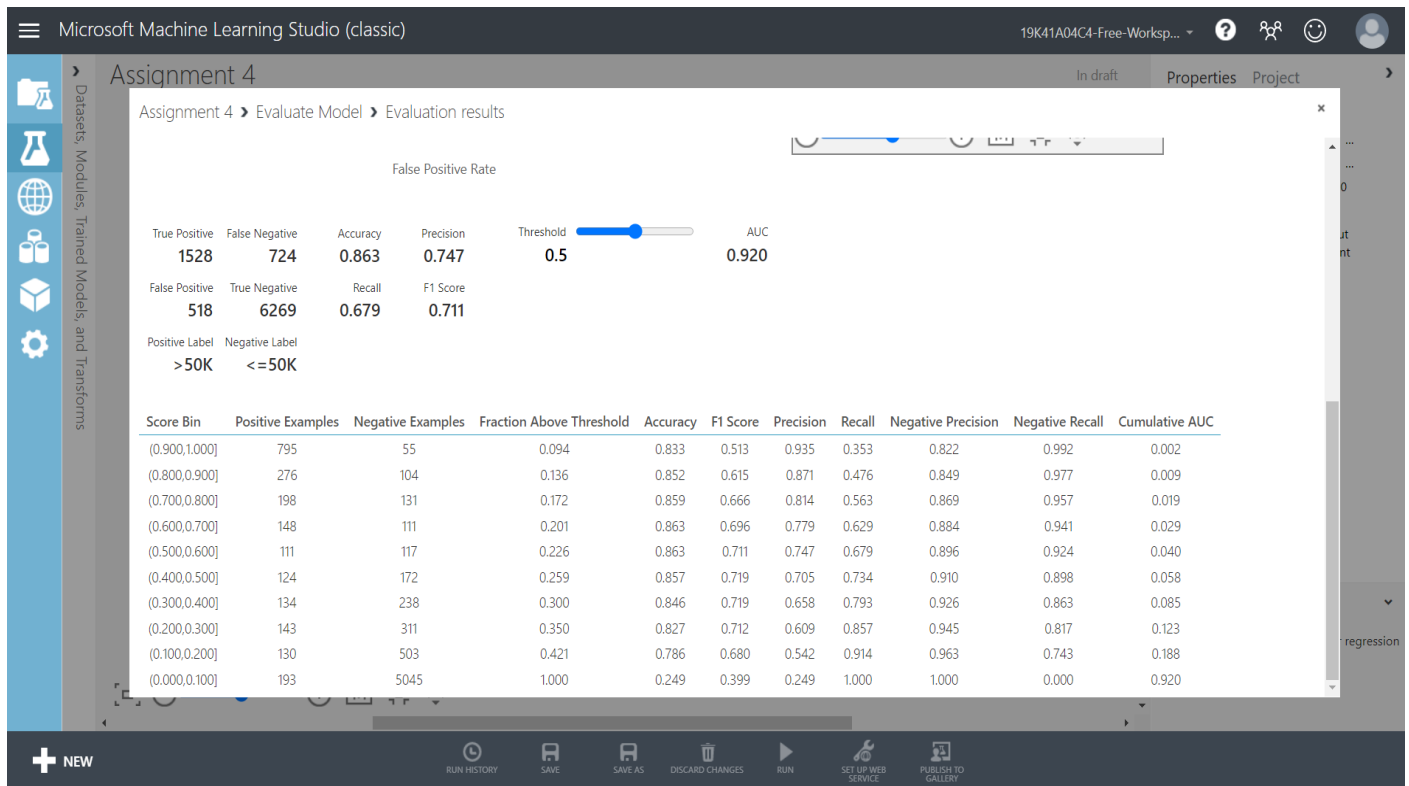


Score Data set:



Evaluation Results:





Conclusion:

From above results we can say that accuracy of the model is 86.3%.

Parameters used to predict are:

1. Age,
2. Fnlwgt,
3. Education,
4. Education-num,
5. Marital-status,
6. Relationship,
7. Race,
8. Sex,
9. Capital-gain,
10. Capital-loss,
11. Hours-per-week,
12. Income

Final Model:

