CUSTOMER CHURN PREDICTION

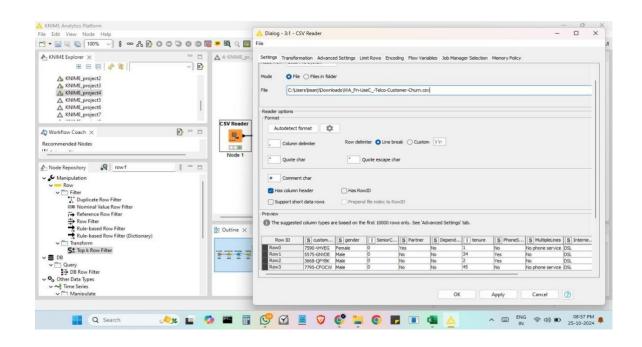
AIM: To create Customer churn prediction data model using Decision tree Learner and predictor in Knime platform

ALGORITHM:

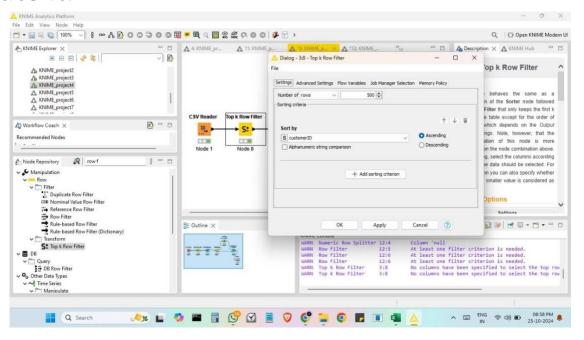
STEP 1: Download the customer churn data set from Kaggle website.

STEP 2: Open the knime platform.

STEP 3: In the node repository, search for CSV READER. Drag the node repository to the project area. Right-click CSV Reader node. Select Compile. In the new screen, click Browse. Select the file we downloaded earlier, Click apply and OK. Execute the node.

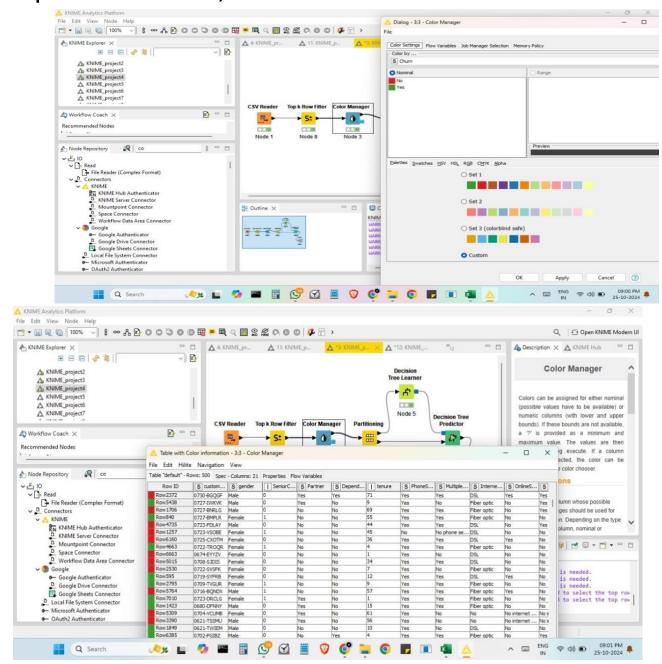


STEP 4: Search for Top K row filter node from the node repository. Drag it to the workspace, It used to reduce and adjust the number of rows .Compile and execute it.

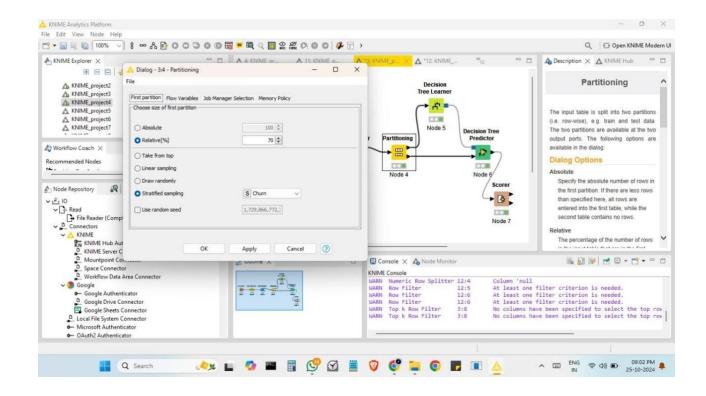


STEP 5: Search for colour manager node in the node repository. Drag it to the workspace. Compile it.

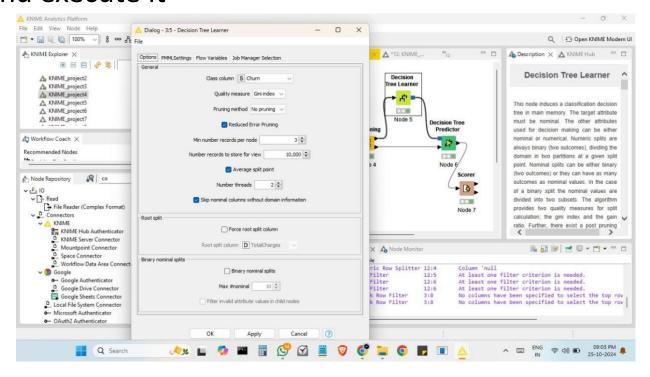
Colour manager is mainly used to differentiate the output in colours ,then execute it.



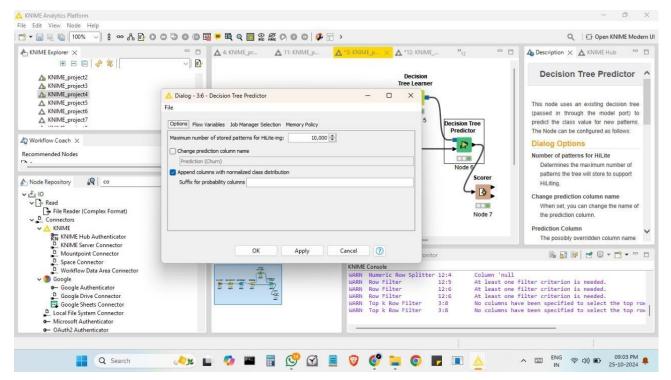
STEP 6: Search for partitioning node in the node repository. Drag it to the workspace. Compile it Using this node you can send some data for testing and some data for training. Execute it.



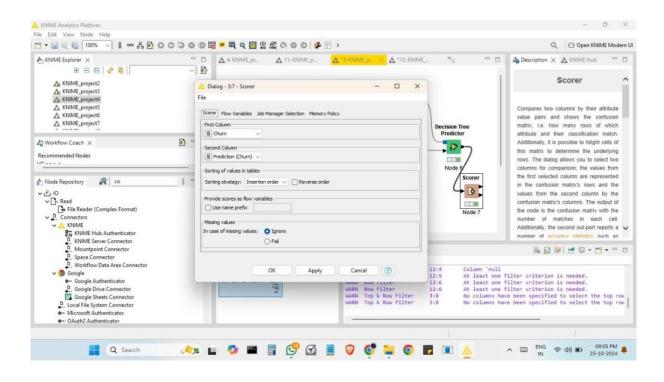
STEP 7: Search for decision tree learner node in the node repository. Drag it to the workspace. Compile and execute it

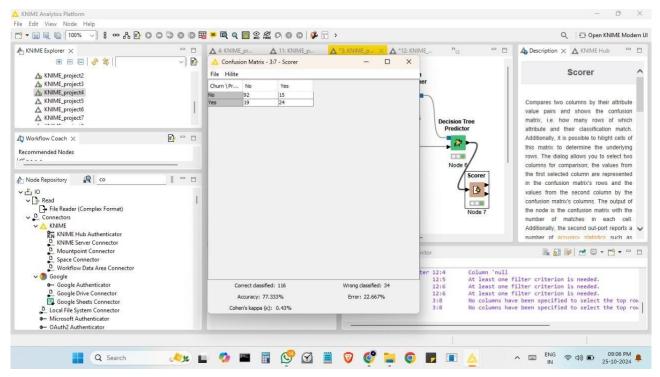


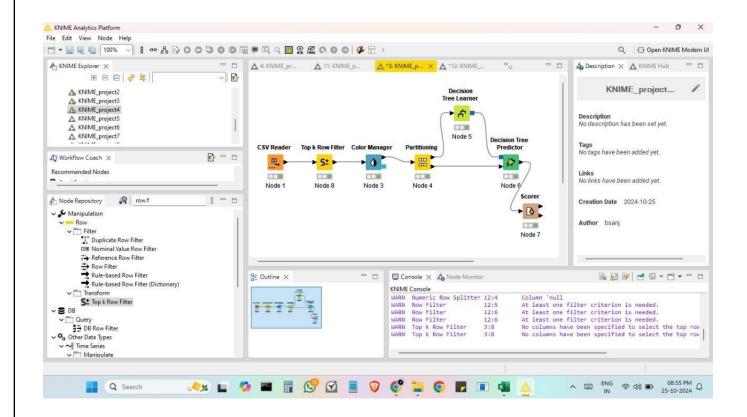
STEP 8: Search for decision tree predictor node in the node repository. Drag it to the workspace. Compile and execute it.



STEP 9: Search for scorer node in the node repository. Drag it to the workspace. Compile it select the first and second column that is used to be display in the output. Scorer is mainly used to view the confusion matrix where it shows the accuracy of the model. Execute it.







Conclusion: The customer churn prediction model is trained and tested using decision tree in the knime platform and accuracy is verified.

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