PROJECT REPORT

MAJOR-PROJECT-1

GENDER CLASSIFICATION

DATA SCIENCE AND MACHINE LEARNING

Name: YASH YADAV

College: VELLORE INSTITUTE OF TECHNOLOGY BHOPAL

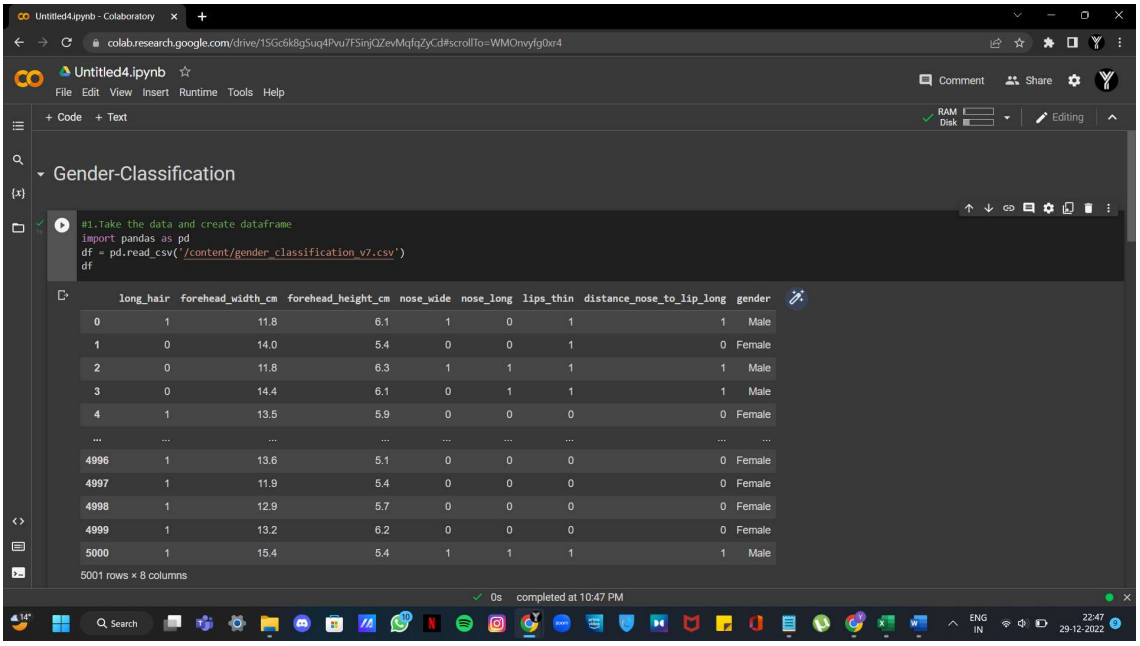
Programme: B-TECH COMPUTER SCIENCE AND ENGINEERING (CSE)

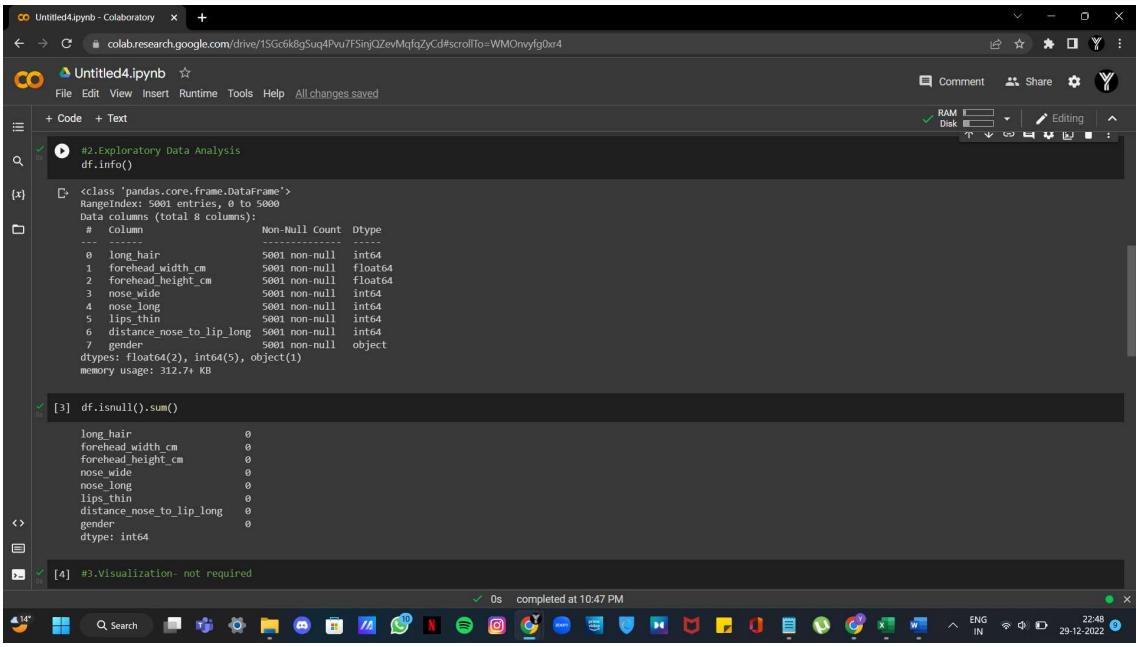
Branch: CORE

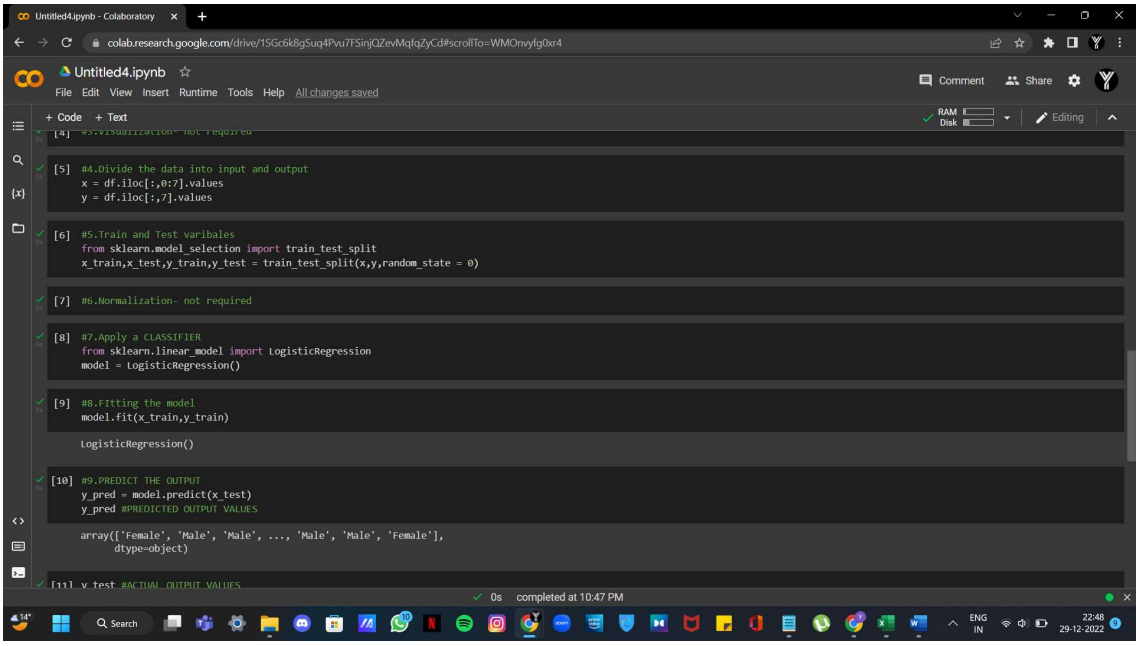
Year: (2021-2025)

(2nd Year)

SCREENSHOTS



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[4] #5.Visualization- not required
[5] #4.Divide the data into input and output
x = df.iloc[:,0:7].values
y = df.iloc[:,7].values
[6] #5.Train and Test varibales
from sklearn.model_selection import train_test_split
x_train,x_test,y_train,y_test = train_test_split(x,y,random_state = 0)
[7] #6.Normalization- not required
[8] #7.Apply a CLASSIFIER
from sklearn.linear_model import LogisticRegression
model = LogisticRegression()
[9] #8.FItting the model
model.fit(x_train,y_train)
LogisticRegression()
[10] #9.PREDICT THE OUTPUT
y_pred = model.predict(x_test)
y_pred #PREDICTED OUTPUT VALUES
array(['Female', 'Male', 'Male', ..., 'Male', 'Male', 'Female'],
dtype=object)
[11] y_test #ACTUAL OUTPUT VALUES
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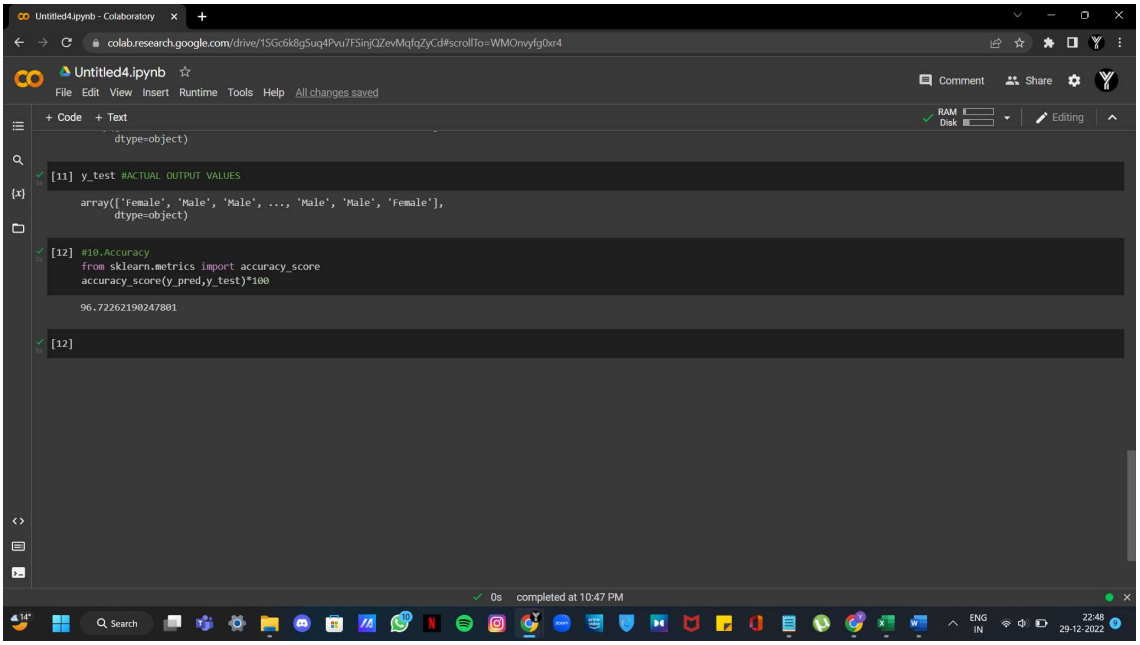
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Untitled4.ipynb
File Edit View Insert Runtime Tools Help All changes saved
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RAM Disk
Editing
dtype=object)
[11] y_test #ACTUAL OUTPUT VALUES
array(['Female', 'Male', 'Male', ..., 'Male', 'Male', 'Female'],
dtype=object)
[12] #10.Accuracy
from sklearn.metrics import accuracy_score
accuracy_score(y_pred,y_test)*100
96.72262190247801
[12]
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GITHUB

GITHUB LINK

https://github.com/yashyadav02/Rinex_Major_Project_1.git