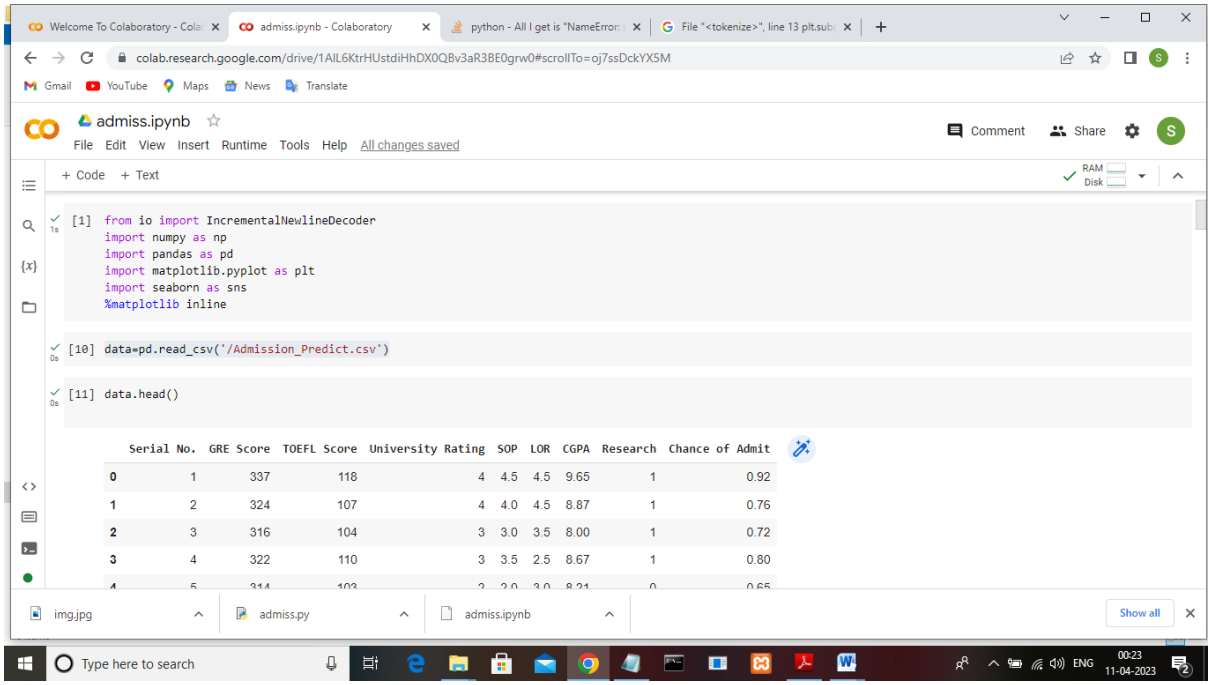
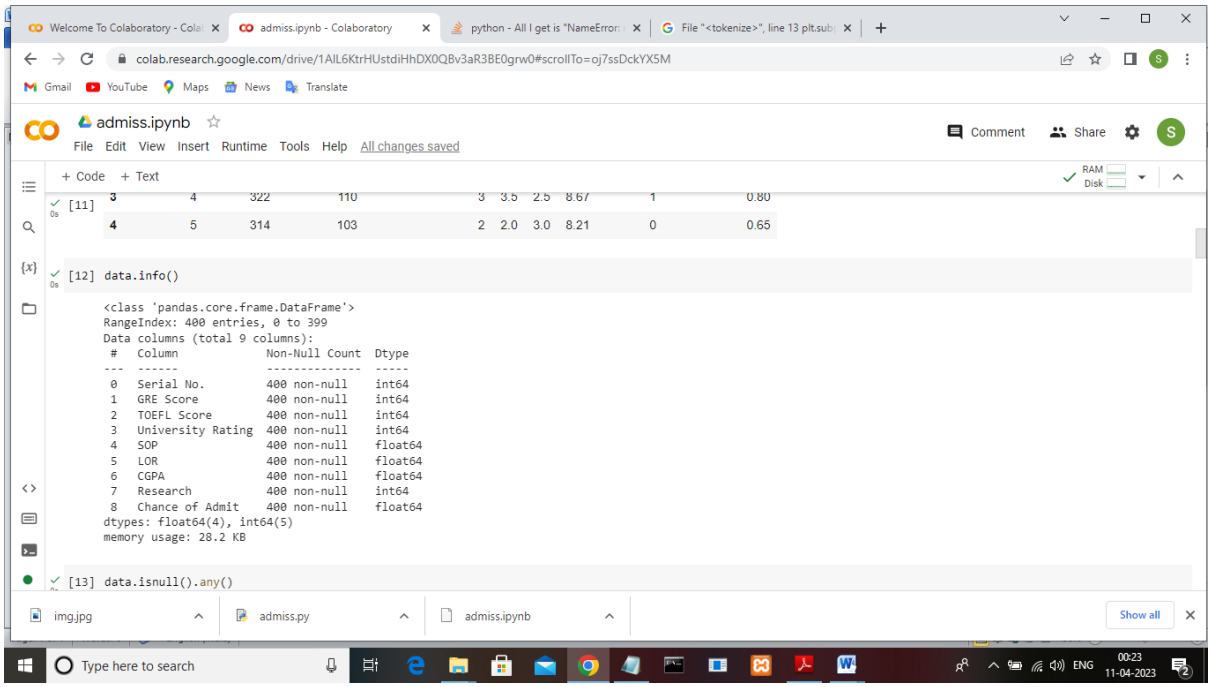
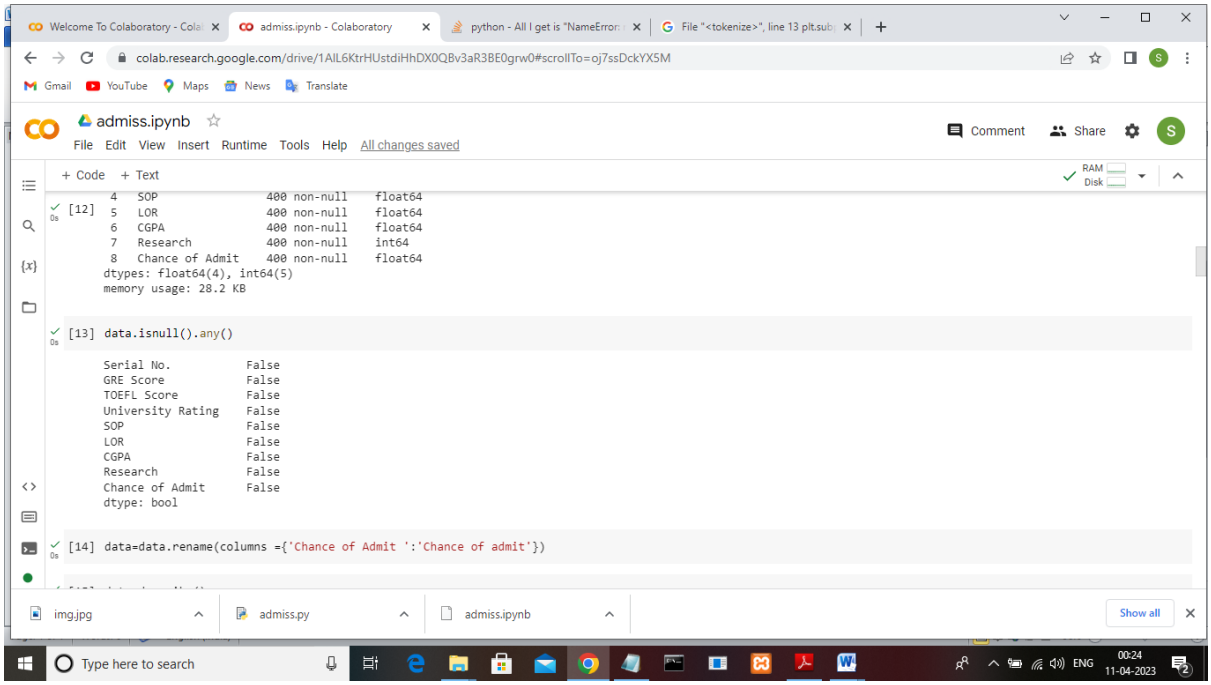
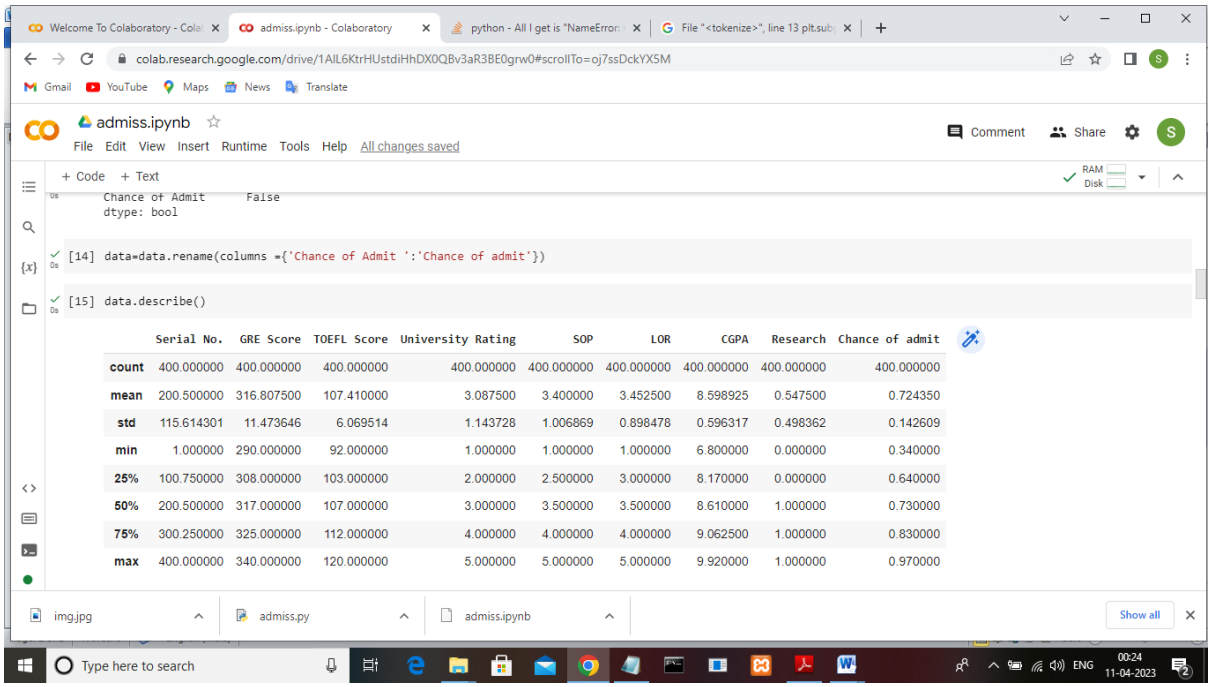

Welcome To Colaboratory - Cola
admiss.ipynb - Colaboratory
python - All I get is "NameError:
File "<tokenize>", line 13 plt.sub
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=oj7ssDckYX5M
Gmail YouTube Maps News Translate
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment Share
+ Code + Text
RAM Disk
[1] from io import IncrementalNewlineDecoder
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
%matplotlib inline
[10] data=pd.read_csv('/Admission_Predict.csv')
[11] data.head()
Serial No. GRE Score TOEFL Score University Rating SOP LOR CGPA Research Chance of Admit
0 1 337 118 4 4.5 4.5 9.65 1 0.92
1 2 324 107 4 4.0 4.5 8.87 1 0.76
2 3 316 104 3 3.0 3.5 8.00 1 0.72
3 4 322 110 3 3.5 2.5 8.67 1 0.80
img.jpg
admiss.py
admiss.ipynb
Show all
Type here to search
ENG
00:23
11-04-2023


Welcome To Colaboratory - Cola
admiss.ipynb - Colaboratory
python - All I get is "NameError:
File "<tokenize>", line 13 plt.sub
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=oj7ssDckYX5M
Gmail YouTube Maps News Translate
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment Share
+ Code + Text
RAM Disk
[11]
3 4 322 110 3 3.5 2.5 8.67 1 0.80
4 5 314 103 2 2.0 3.0 8.21 0 0.65
[12] data.info()
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 400 entries, 0 to 399
Data columns (total 9 columns):
Column Non-Null Count Dtype
--- ------ -------------- -----
0 Serial No. 400 non-null int64
1 GRE Score 400 non-null int64
2 TOEFL Score 400 non-null int64
3 University Rating 400 non-null int64
4 SOP 400 non-null float64
5 LOR 400 non-null float64
6 CGPA 400 non-null float64
7 Research 400 non-null int64
8 Chance of Admit 400 non-null float64
dtypes: float64(4), int64(5)
memory usage: 28.2 KB
[13] data.isnull().any()
img.jpg
admiss.py
admiss.ipynb
Show all
Type here to search
ENG
00:23
11-04-2023


admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AlL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=oj7ssDckYX5M
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
+ Code + Text
RAM
Disk
4 SOP 400 non-null float64
5 LOR 400 non-null float64
6 CGPA 400 non-null float64
7 Research 400 non-null int64
8 Chance of Admit 400 non-null float64
dtypes: float64(4), int64(5)
memory usage: 28.2 KB
[13] data.isnull().any()
Serial No. False
GRE Score False
TOEFL Score False
University Rating False
SOP False
LOR False
CGPA False
Research False
Chance of Admit False
dtype: bool
[14] data=data.rename(columns ={'Chance of Admit ':'Chance of admit'})
img.jpg
admiss.py
admiss.ipynb
Show all
Type here to search
ENG
00:24
11-04-2023


admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AlL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=oj7ssDckYX5M
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
+ Code + Text
RAM
Disk
Chance of Admit False
dtype: bool
[14] data=data.rename(columns ={'Chance of Admit ':'Chance of admit'})
[15] data.describe()
Serial No. GRE Score TOEFL Score University Rating SOP LOR CGPA Research Chance of admit
count 400.000000 400.000000 400.000000 400.000000 400.000000 400.000000 400.000000 400.000000 400.000000
mean 200.500000 316.807500 107.410000 3.087500 3.400000 3.452500 8.598925 0.547500 0.724350
std 115.614301 11.473646 6.069514 1.143728 1.006869 0.898478 0.596317 0.498362 0.142609
min 1.000000 290.000000 92.000000 1.000000 1.000000 1.000000 6.800000 0.000000 0.340000
25% 100.750000 308.000000 103.000000 2.000000 2.500000 3.000000 8.170000 0.000000 0.640000
50% 200.500000 317.000000 107.000000 3.000000 3.500000 3.500000 8.610000 1.000000 0.730000
75% 300.250000 325.000000 112.000000 4.000000 4.000000 4.000000 9.062500 1.000000 0.830000
max 400.000000 340.000000 120.000000 5.000000 5.000000 5.000000 9.920000 1.000000 0.970000
img.jpg
admiss.py
admiss.ipynb
Show all
Type here to search
ENG
00:24
11-04-2023

admiss.ipynb - Colaboratory

colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=VfVOBNbhLulx

admiss.ipynb

File Edit View Insert Runtime Tools Help Saving...

Comment Share

Files

sample_data

Admission_Predict.csv

Disk 84.54 GB available

+ Code + Text

```
data.corr()
```

	Serial No.	GRE Score	TOEFL Score	University Rating	SOP	LOR	CGPA	Research	Chance of admit
Serial No.	1.000000	-0.097526	-0.147932	-0.169948	-0.166932	-0.088221	-0.045608	-0.063138	0.042336
GRE Score	-0.097526	1.000000	0.835977	0.668976	0.612831	0.557555	0.833060	0.580391	0.802610
TOEFL Score	-0.147932	0.835977	1.000000	0.695590	0.657981	0.567721	0.828417	0.489858	0.791594
University Rating	-0.169948	0.668976	0.695590	1.000000	0.734523	0.660123	0.746479	0.447783	0.711250
SOP	-0.166932	0.612831	0.657981	0.734523	1.000000	0.729593	0.718144	0.444029	0.675732
LOR	-0.088221	0.557555	0.567721	0.660123	0.729593	1.000000	0.670211	0.396859	0.669889
CGPA	-0.045608	0.833060	0.828417	0.746479	0.718144	0.670211	1.000000	0.521654	0.873289
Research	-0.063138	0.580391	0.489858	0.447783	0.444029	0.396859	0.521654	1.000000	0.553202
Chance of admit	0.042336	0.802610	0.791594	0.711250	0.675732	0.669889	0.873289	0.553202	1.000000

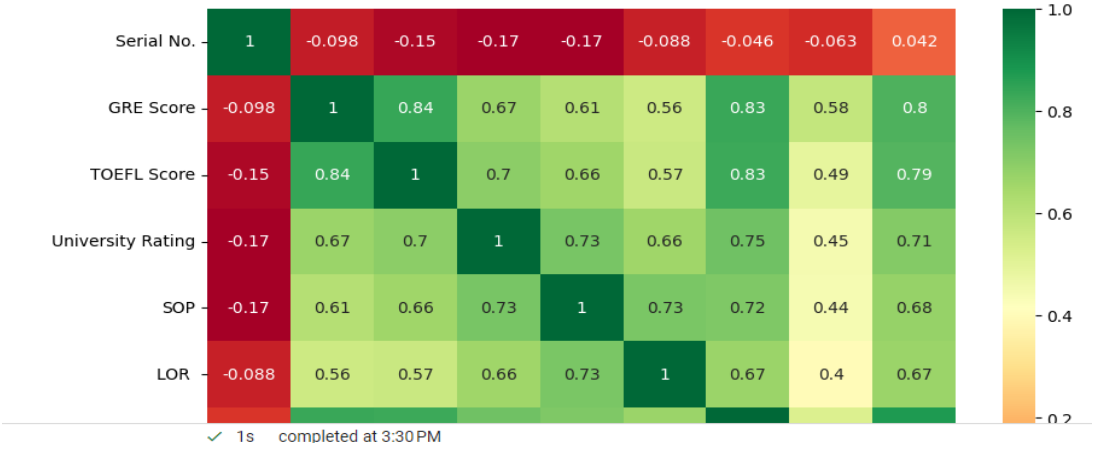
0s completed at 3:24 PM

Type here to search

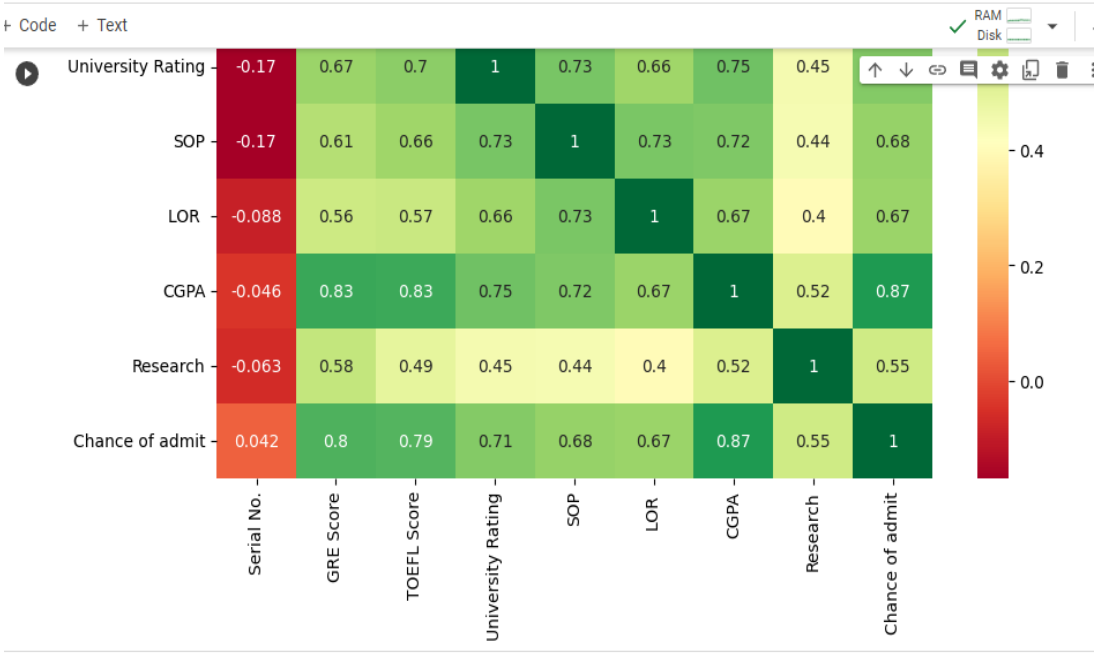
ENG 15:24 14-04-2023

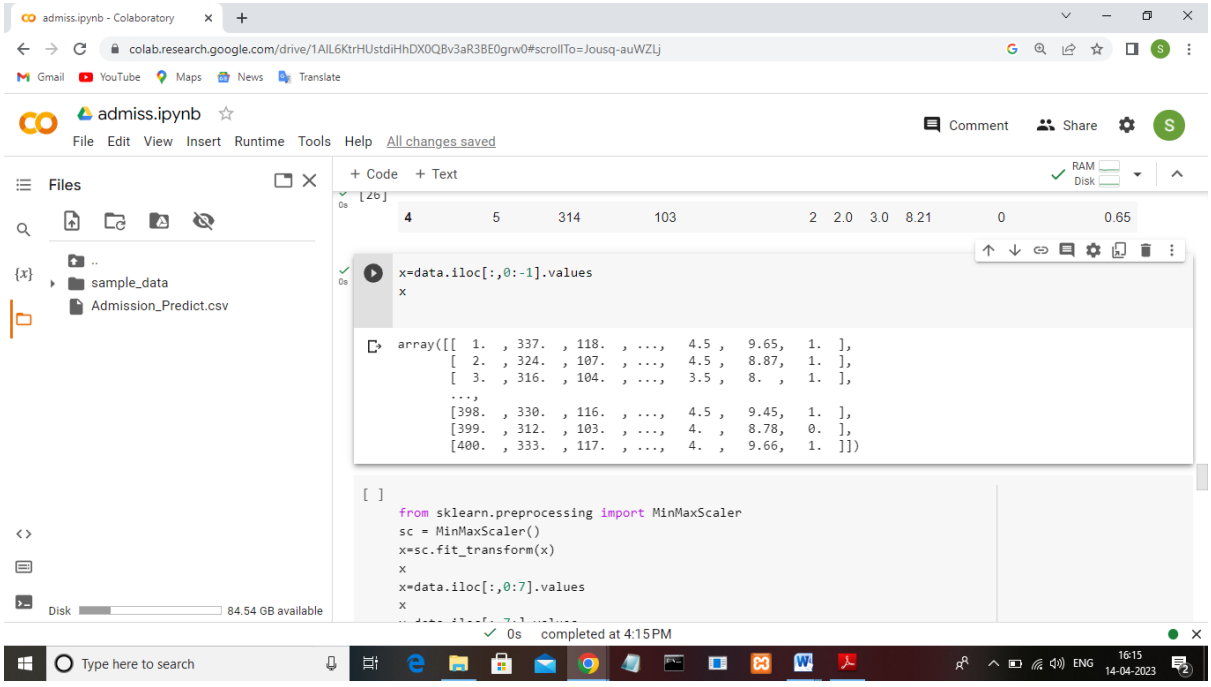
```
plt.figure(figsize=(10,7))
sns.heatmap(data.corr(),annot=True,cmap="RdYlGn")
```

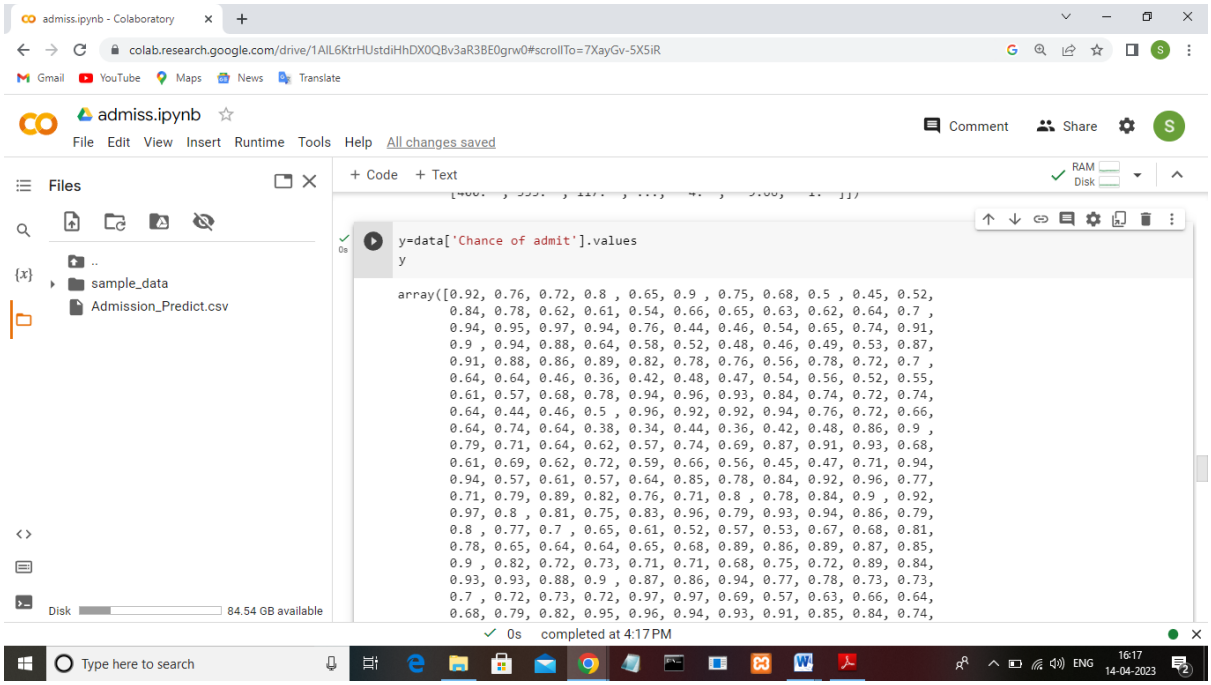
<Axes: >

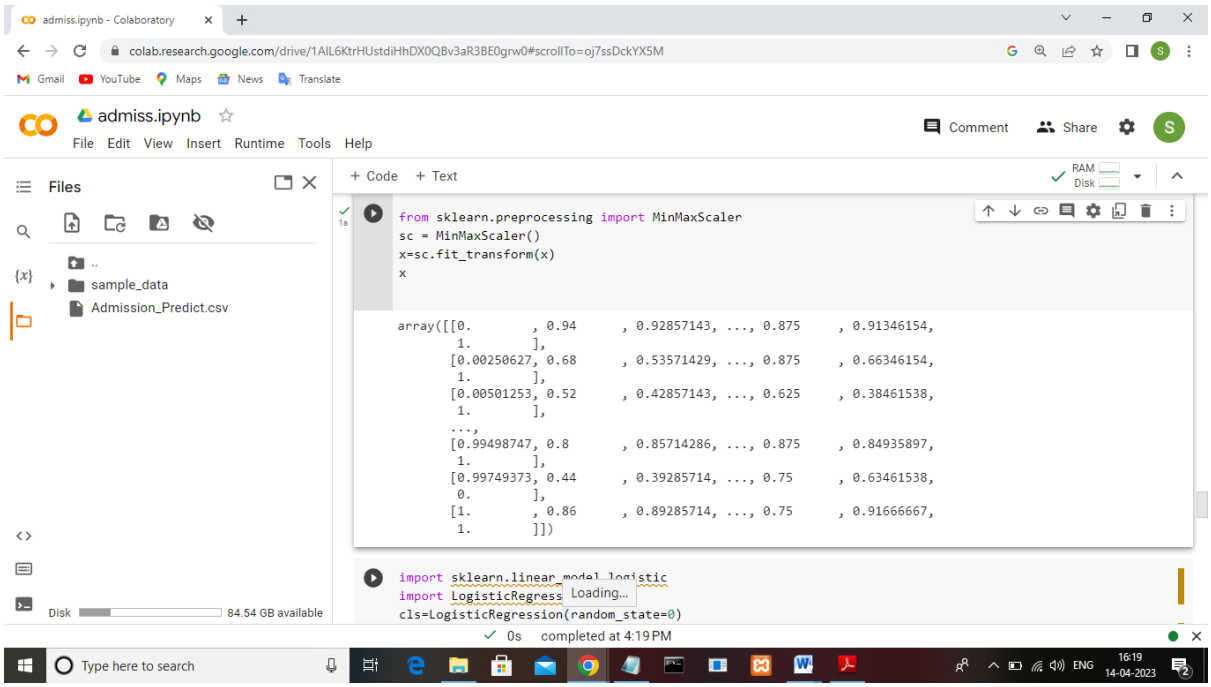


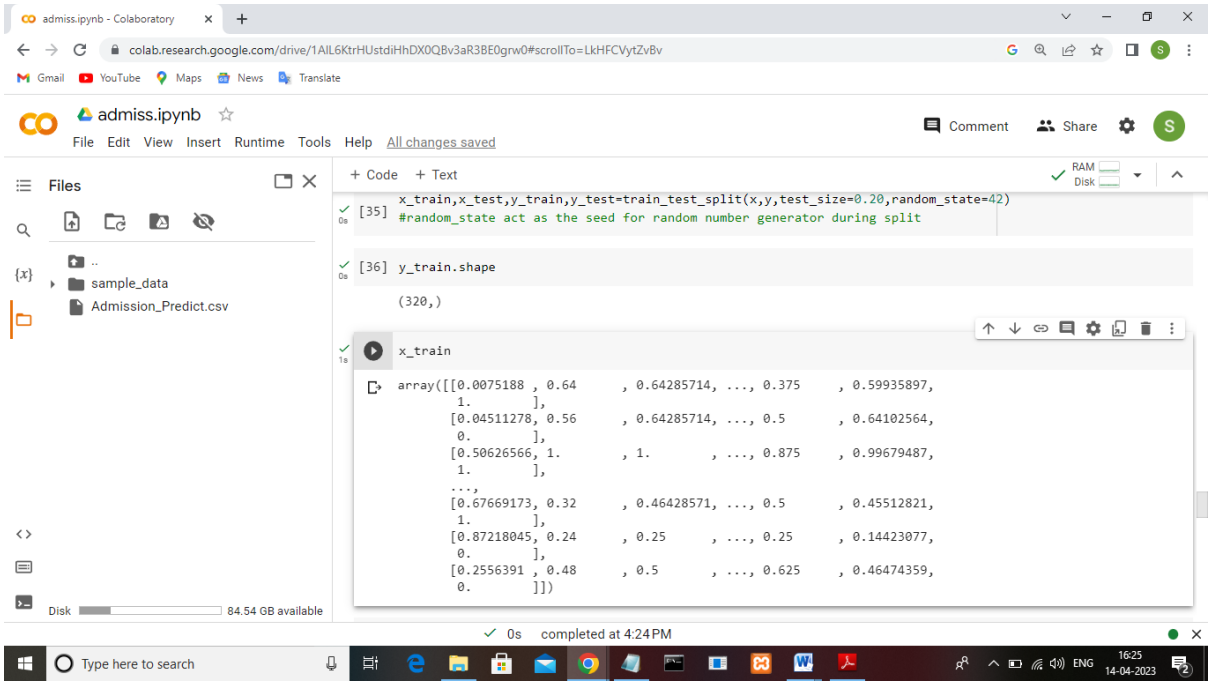
1s completed at 3:30 PM

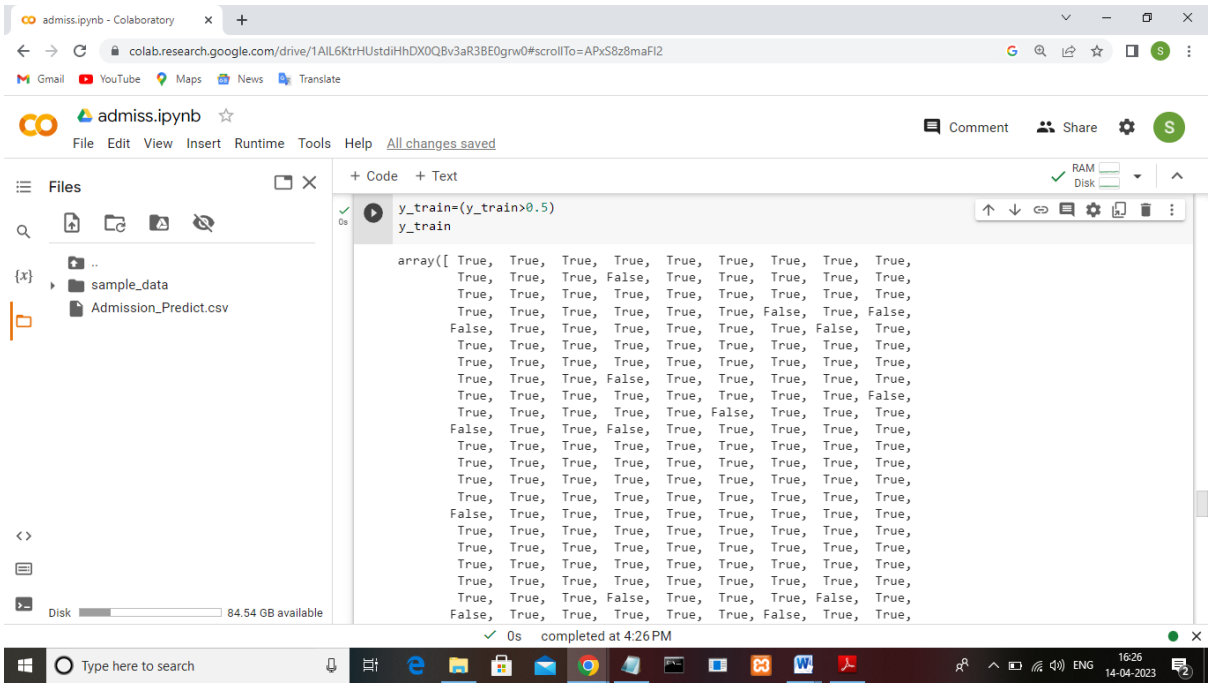

+ Code
+ Text
RAM
Disk
University Rating -0.17 0.67 0.7 1 0.73 0.66 0.75 0.45
SOP -0.17 0.61 0.66 0.73 1 0.73 0.72 0.44 0.68
LOR -0.088 0.56 0.57 0.66 0.73 1 0.67 0.4 0.67
CGPA -0.046 0.83 0.83 0.75 0.72 0.67 1 0.52 0.87
Research -0.063 0.58 0.49 0.45 0.44 0.4 0.52 1 0.55
Chance of admit 0.042 0.8 0.79 0.71 0.68 0.67 0.87 0.55 1
0.4
0.2
0.0
Serial No.
GRE Score
TOEFL Score
University Rating
SOP
LOR
CGPA
Research
Chance of admit

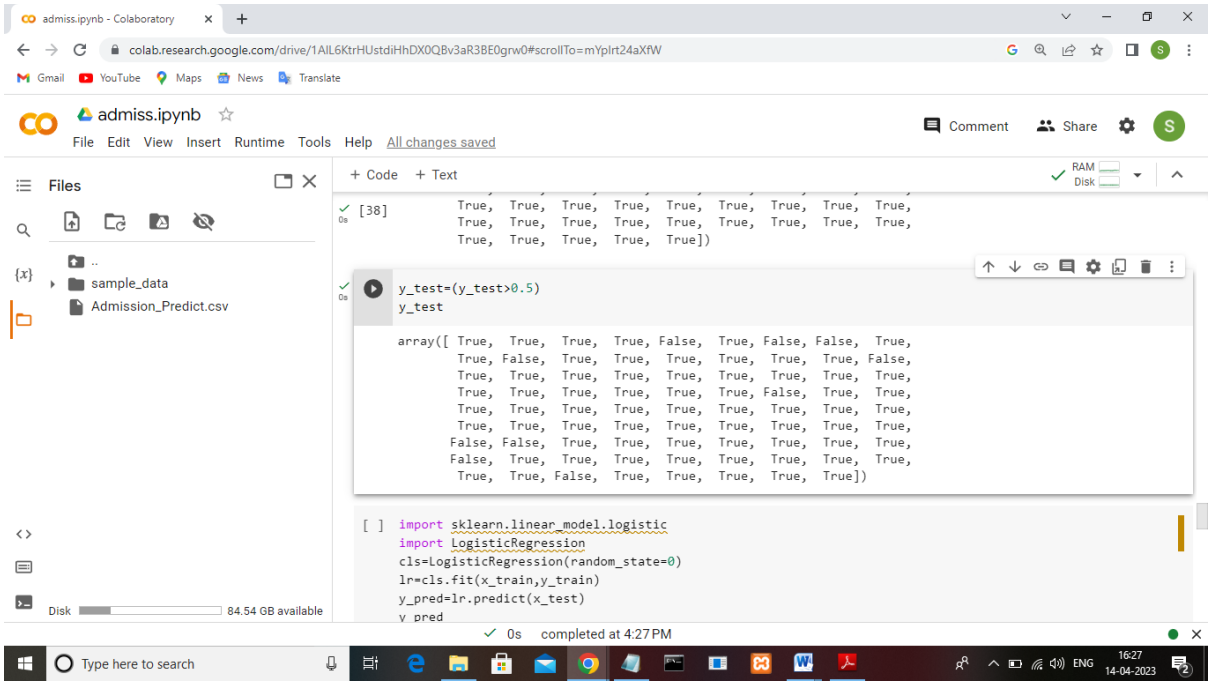

admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=Jousq-auWZLj
Gmail YouTube Maps News Translate
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
Admission_Predict.csv
Disk 84.54 GB available
+ Code + Text
RAM
Disk
4 5 314 103 2 2.0 3.0 8.21 0 0.65
x=data.iloc[:,0:-1].values
x
array([[1. , 337. , 118. , ..., 4.5 , 9.65, 1.],
[2. , 324. , 107. , ..., 4.5 , 8.87, 1.],
[3. , 316. , 104. , ..., 3.5 , 8. , 1.],
...,
[398. , 330. , 116. , ..., 4.5 , 9.45, 1.],
[399. , 312. , 103. , ..., 4. , 8.78, 0.],
[400. , 333. , 117. , ..., 4. , 9.66, 1.]])
[ ]
from sklearn.preprocessing import MinMaxScaler
sc = MinMaxScaler()
x=sc.fit_transform(x)
x
x=data.iloc[:,0:7].values
x
0s completed at 4:15PM
Type here to search
ENG
16:15
14-04-2023

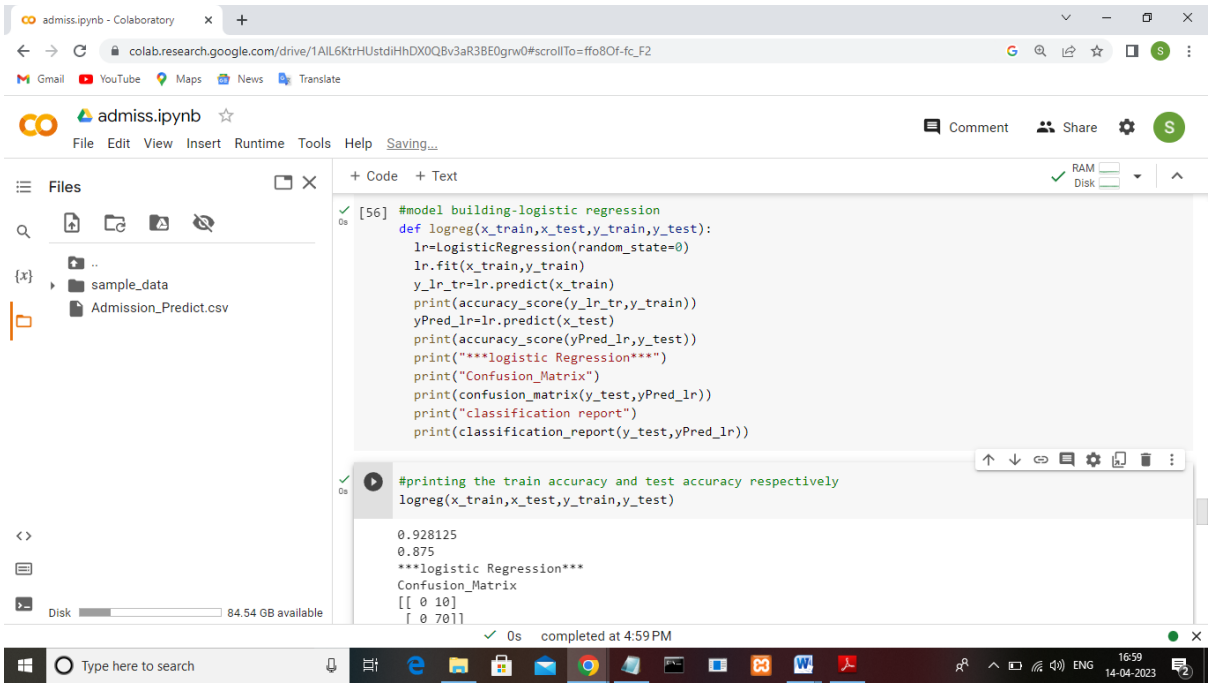

admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=7XayGv-5X5iR
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
Admission_Predict.csv
Disk 84.54 GB available
+ Code + Text
RAM
Disk
y=data['Chance of admit'].values
y
array([0.92, 0.76, 0.72, 0.8 , 0.65, 0.9 , 0.75, 0.68, 0.5 , 0.45, 0.52,
0.84, 0.78, 0.62, 0.61, 0.54, 0.66, 0.65, 0.63, 0.62, 0.64, 0.7 ,
0.94, 0.95, 0.97, 0.94, 0.76, 0.44, 0.46, 0.54, 0.65, 0.74, 0.91,
0.9 , 0.94, 0.88, 0.64, 0.58, 0.52, 0.48, 0.46, 0.49, 0.53, 0.87,
0.91, 0.88, 0.86, 0.89, 0.82, 0.78, 0.76, 0.56, 0.78, 0.72, 0.7 ,
0.64, 0.64, 0.46, 0.36, 0.42, 0.48, 0.47, 0.54, 0.56, 0.52, 0.55,
0.61, 0.57, 0.68, 0.78, 0.94, 0.96, 0.93, 0.84, 0.74, 0.72, 0.74,
0.64, 0.44, 0.46, 0.5 , 0.96, 0.92, 0.92, 0.94, 0.76, 0.72, 0.66,
0.64, 0.74, 0.64, 0.38, 0.34, 0.44, 0.36, 0.42, 0.48, 0.86, 0.9 ,
0.79, 0.71, 0.64, 0.62, 0.57, 0.74, 0.69, 0.87, 0.91, 0.93, 0.68,
0.61, 0.69, 0.62, 0.72, 0.59, 0.66, 0.56, 0.45, 0.47, 0.71, 0.94,
0.94, 0.57, 0.61, 0.57, 0.64, 0.85, 0.78, 0.84, 0.92, 0.96, 0.77,
0.71, 0.79, 0.89, 0.82, 0.76, 0.71, 0.8 , 0.78, 0.84, 0.9 , 0.92,
0.97, 0.8 , 0.81, 0.75, 0.83, 0.96, 0.79, 0.93, 0.94, 0.86, 0.79,
0.8 , 0.77, 0.7 , 0.65, 0.61, 0.52, 0.57, 0.53, 0.67, 0.68, 0.81,
0.78, 0.65, 0.64, 0.64, 0.65, 0.68, 0.89, 0.86, 0.89, 0.87, 0.85,
0.9 , 0.82, 0.72, 0.73, 0.71, 0.71, 0.68, 0.75, 0.72, 0.89, 0.84,
0.93, 0.93, 0.88, 0.9 , 0.87, 0.86, 0.94, 0.77, 0.78, 0.73, 0.73,
0.7 , 0.72, 0.73, 0.72, 0.97, 0.97, 0.69, 0.57, 0.63, 0.66, 0.64,
0.68, 0.79, 0.82, 0.95, 0.96, 0.94, 0.93, 0.91, 0.85, 0.84, 0.74,
0s completed at 4:17 PM
Type here to search
ENG
16:17
14-04-2023


admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=oj7ssDckYX5M
admiss.ipynb
File Edit View Insert Runtime Tools Help
Comment
Share
Files
sample_data
Admission_Predict.csv
Disk 84.54 GB available
+ Code + Text
RAM
Disk
from sklearn.preprocessing import MinMaxScaler
sc = MinMaxScaler()
x=sc.fit_transform(x)
x
array([[0. , 0.94 , 0.92857143, ..., 0.875 , 0.91346154,
1.],
[0.00250627, 0.68 , 0.53571429, ..., 0.875 , 0.66346154,
1.],
[0.00501253, 0.52 , 0.42857143, ..., 0.625 , 0.38461538,
1.],
...,
[0.99498747, 0.8 , 0.85714286, ..., 0.875 , 0.84935897,
1.],
[0.99749373, 0.44 , 0.39285714, ..., 0.75 , 0.63461538,
0.],
[1. , 0.86 , 0.89285714, ..., 0.75 , 0.91666667,
1.]])
import sklearn.linear_model.logistic
import LogisticRegress
Loading...
cls=LogisticRegression(random_state=0)
0s completed at 4:19 PM
Type here to search
ENG
16:19
14-04-2023


admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=LkHFCVytZvBv
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
Admission_Predict.csv
Disk 84.54 GB available
+ Code + Text
RAM
Disk
[35] x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.20,random_state=42)
#random_state act as the seed for random number generator during split
[36] y_train.shape
(320,)
x_train
array([[0.0075188 , 0.64 , 0.64285714, ..., 0.375 , 0.59935897,
1.],
[0.04511278, 0.56 , 0.64285714, ..., 0.5 , 0.64102564,
0.],
[0.50626566, 1. , 1. , ..., 0.875 , 0.99679487,
1.],
...,
[0.67669173, 0.32 , 0.46428571, ..., 0.5 , 0.45512821,
1.],
[0.87218045, 0.24 , 0.25 , ..., 0.25 , 0.14423077,
0.],
[0.2556391 , 0.48 , 0.5 , ..., 0.625 , 0.46474359,
0.]])
0s completed at 4:24 PM
Type here to search
ENG
16:25
14-04-2023


admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=APxS8z8maFI2
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
Admission_Predict.csv
Disk 84.54 GB available
+ Code + Text
RAM
Disk
y_train=(y_train>0.5)
y_train
array([True, True, True, True, True, True, True, True, True,
True, True, True, False, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, False, True, False,
False, True, True, True, True, True, True, False, True,
True, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
True, True, True, False, True, True, True, True, True,
True, True, True, True, True, True, True, True, False,
True, True, True, True, True, False, True, True, True,
False, True, True, False, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
False, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
True, True, True, False, True, True, True, False, True,
False, True, True, True, True, True, False, True, True,
0s completed at 4:26 PM
Type here to search
ENG
16:26
14-04-2023


admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=mYplrt24aXfW
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
Admission_Predict.csv
Disk 84.54 GB available
+ Code + Text
RAM
Disk
[38]
True, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
True, True, True, True, True])
y_test=(y_test>0.5)
y_test
array([True, True, True, True, False, True, False, False, True,
True, False, True, True, True, True, True, True, False,
True, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, False, True, True,
True, True, True, True, True, True, True, True, True,
True, True, True, True, True, True, True, True, True,
False, False, True, True, True, True, True, True, True,
False, True, True, True, True, True, True, True, True,
True, True, False, True, True, True, True, True])
[ ] import sklearn.linear_model.logistic
import LogisticRegression
cls=LogisticRegression(random_state=0)
lr=cls.fit(x_train,y_train)
y_pred=lr.predict(x_test)
y_pred
0s completed at 4:27 PM
Type here to search
ENG
16:27
14-04-2023


admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=ffo8Of-fc_F2
admiss.ipynb
File Edit View Insert Runtime Tools Help Saving...
Comment
Share
Files
sample_data
Admission_Predict.csv
Disk 84.54 GB available
+ Code + Text
RAM
Disk
[56] #model building-logistic regression
def logreg(x_train,x_test,y_train,y_test):
lr=LogisticRegression(random_state=0)
lr.fit(x_train,y_train)
y_lr_tr=lr.predict(x_train)
print(accuracy_score(y_lr_tr,y_train))
yPred_lr=lr.predict(x_test)
print(accuracy_score(yPred_lr,y_test))
print("***logistic Regression***")
print("Confusion_Matrix")
print(confusion_matrix(y_test,yPred_lr))
print("classification report")
print(classification_report(y_test,yPred_lr))
#printing the train accuracy and test accuracy respectively
logreg(x_train,x_test,y_train,y_test)
0.928125
0.875
logistic Regression
Confusion_Matrix
[[0 10]
[0 70]]
0s completed at 4:59 PM
Type here to search
ENG
16:59
14-04-2023

admiss.ipynb - Colaboratory

colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=ffo8Of-fc_F2

admiss.ipynb

File Edit View Insert Runtime Tools Help All changes saved

Comment Share

Files

.. sample_data Admission_Predict.csv

Disk 84.54 GB available

+ Code + Text

```
0.928125
0.875
***logistic Regression***
Confusion_Matrix
[[ 0 10]
 [ 0 70]]
classification report
              precision    recall  f1-score   support

       False       0.00      0.00      0.00        10
        True       0.88      1.00      0.93        70

    accuracy                           0.88        80
   macro avg       0.44      0.50      0.47        80
weighted avg       0.77      0.88      0.82        80

/usr/local/lib/python3.9/dist-packages/sklearn/metrics/_classification.py:1344: UndefinedMetricWarning: Pre
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.9/dist-packages/sklearn/metrics/_classification.py:1344: UndefinedMetricWarning: Pre
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.9/dist-packages/sklearn/metrics/_classification.py:1344: UndefinedMetricWarning: Pre
  _warn_prf(average, modifier, msg_start, len(result))
```

0s completed at 4:59 PM

Type here to search

ENG 17:00 14-04-2023

Welcome To Colaboratory - Cola | admiss.ipynb - Colaboratory | python - All I get is "NameError: | File "<tokenize>", line 13 plt.sub

colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=oj7ssDckYX5M

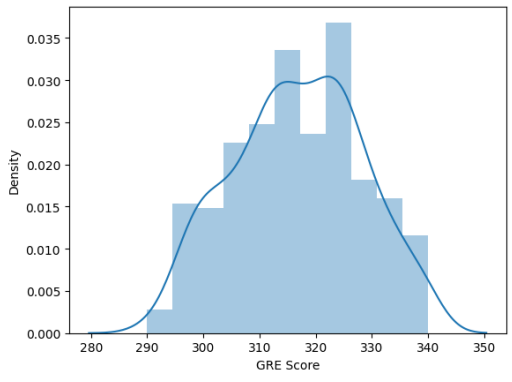
admiss.ipynb

File Edit View Insert Runtime Tools Help All changes saved

Comment Share

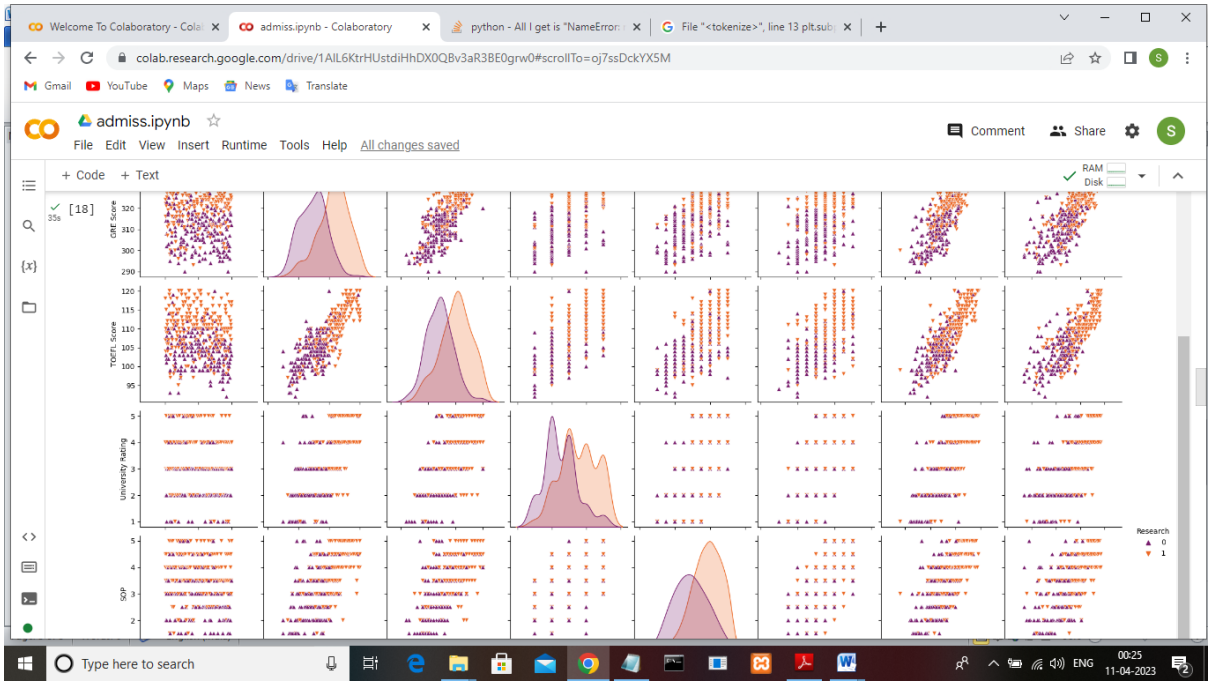
+ Code + Text

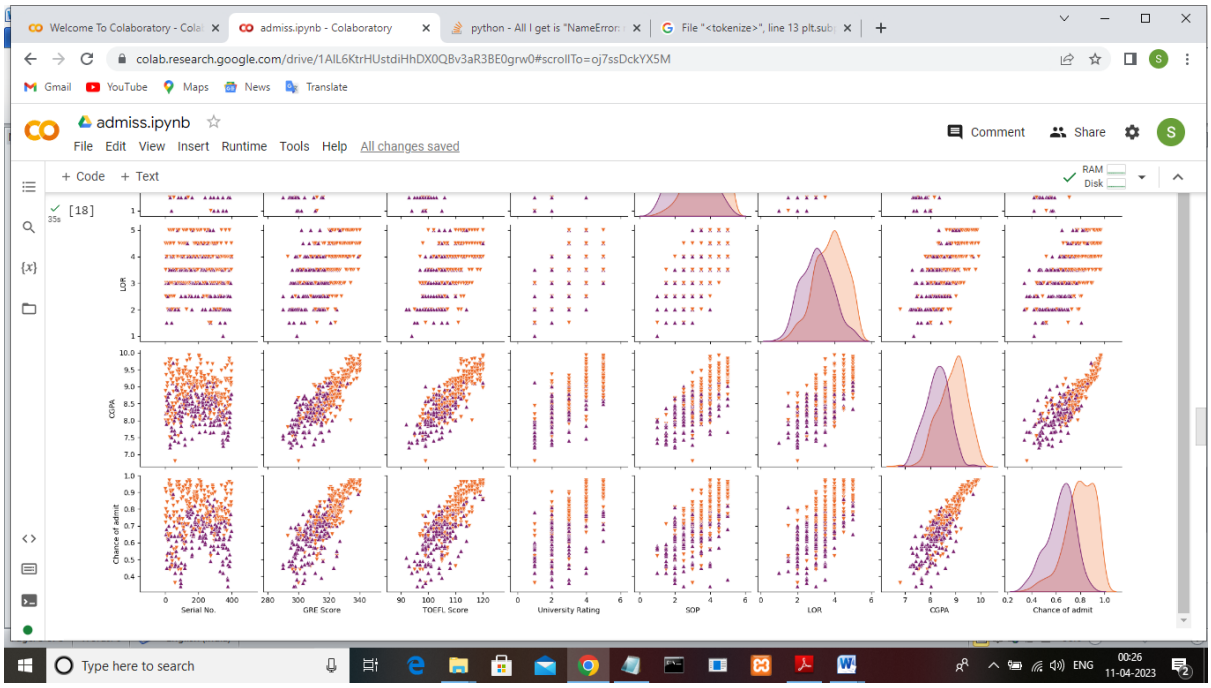
```
sns.distplot(data['GRE Score'])
<Axes: xlabel='GRE Score', ylabel='Density'>
```



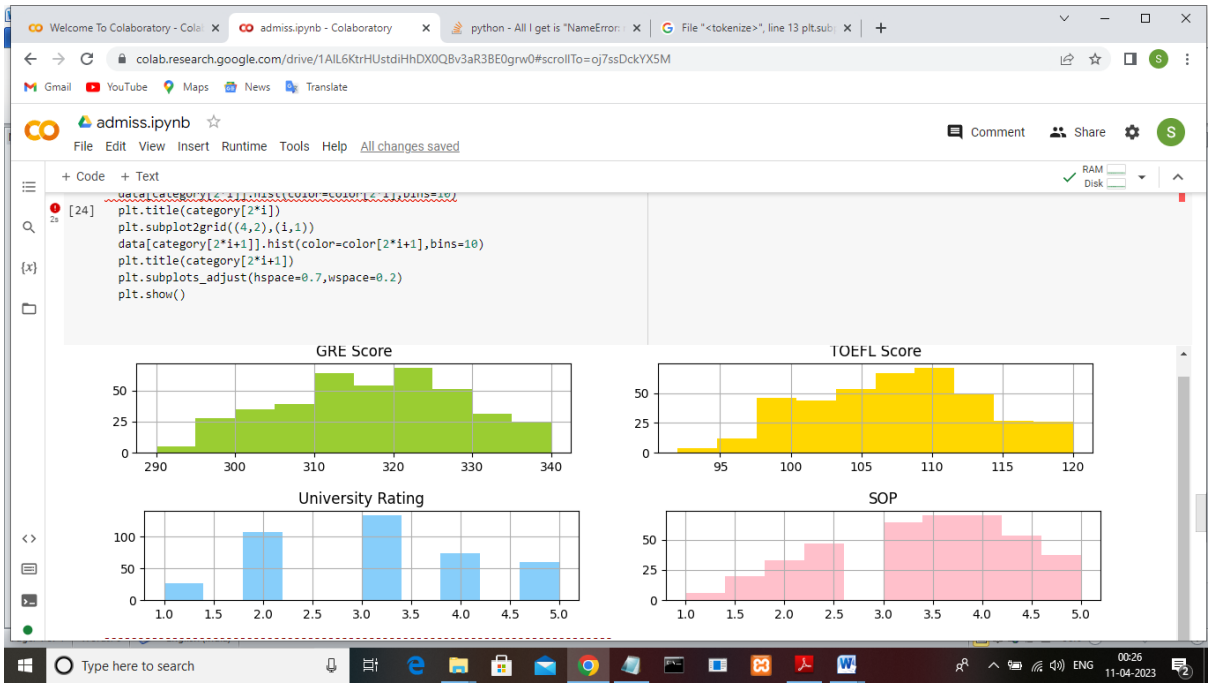
Type here to search

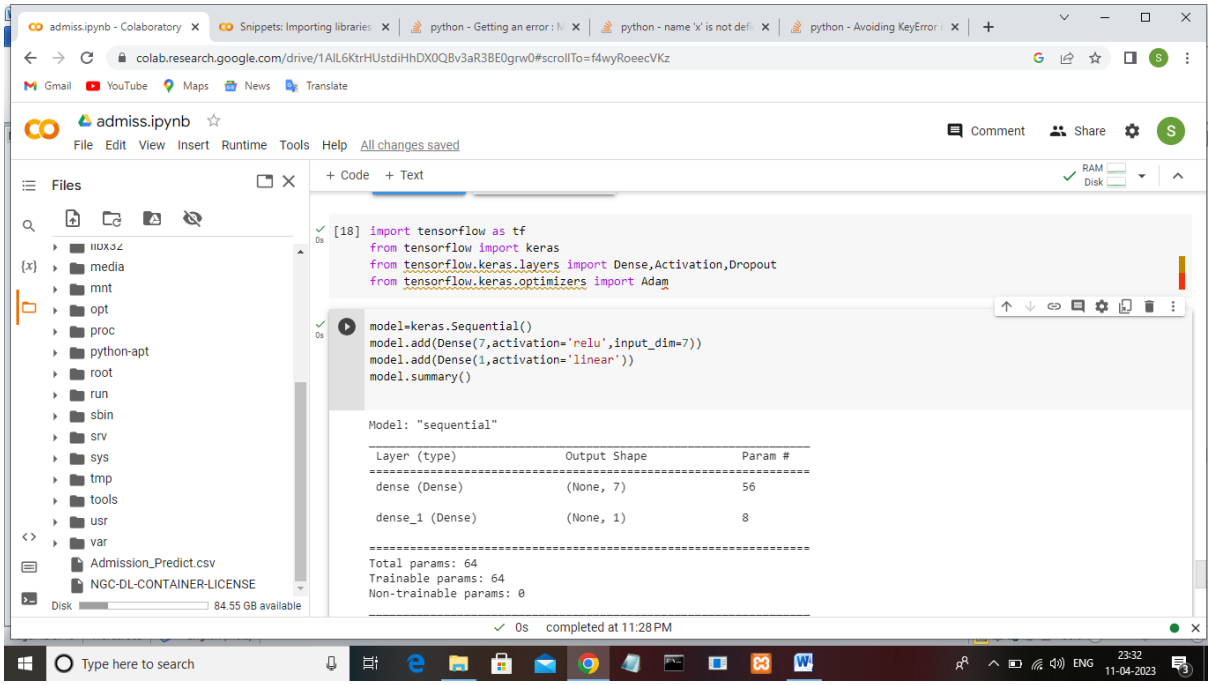
ENG 00:25 11-04-2023

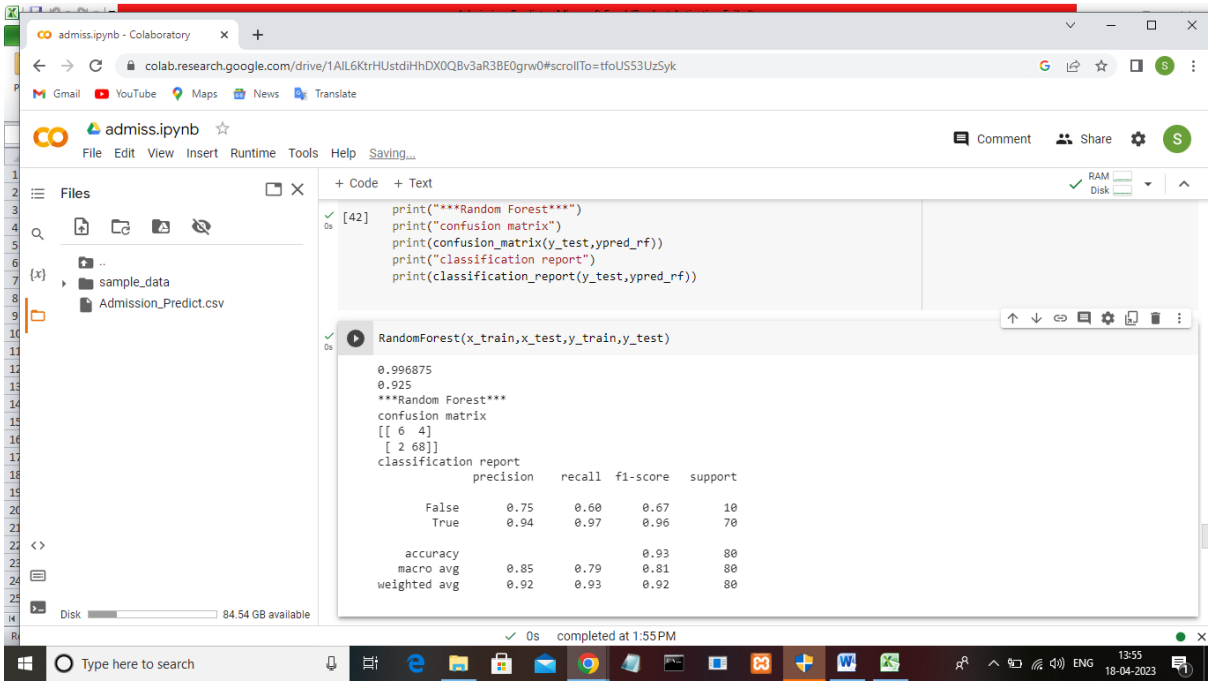

admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=oj7ssDckYX5M
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
+ Code + Text
RAM
Disk
[18]
GRE Score
TOEFL Score
University Rating
SOP
Research
Type here to search
ENG
00:25
11-04-2023


admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=oj7ssDckYX5M
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
+ Code + Text
RAM
Disk
[18]
LOR
CGPA
Chance of admit
Serial No.
GRE Score
TOEFL Score
University Rating
SOP
LOR
CGPA
Chance of admit
Type here to search
ENG
00:26
11-04-2023


admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
+ Code + Text
[19] sns.scatterplot(x='University Rating',y='CGPA',data=data,color='Red',s=100)
<Axes: xlabel='University Rating', ylabel='CGPA'>
CGPA
University Rating


admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
+ Code + Text
[24] plt.title(category[2*i])
plt.subplot2grid((4,2),(i,1))
data[category[2*i+1]].hist(color=color[2*i+1],bins=10)
plt.title(category[2*i+1])
plt.subplots_adjust(hspace=0.7,wspace=0.2)
plt.show()
GRE Score
TOEFL Score
University Rating
SOP


admiss.ipynb - Colaboratory
Snippets: Importing libraries
python - Getting an error :
python - name 'x' is not defi
python - Avoiding KeyError
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=f4wyRoeecVKz
Gmail
YouTube
Maps
News
Translate
admiss.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
+ Code
+ Text
RAM
Disk
[18] import tensorflow as tf
from tensorflow import keras
from tensorflow.keras.layers import Dense,Activation,Dropout
from tensorflow.keras.optimizers import Adam
model=keras.Sequential()
model.add(Dense(7,activation='relu',input_dim=7))
model.add(Dense(1,activation='linear'))
model.summary()
Model: "sequential"
Layer (type) Output Shape Param #
dense (Dense) (None, 7) 56
dense_1 (Dense) (None, 1) 8
Total params: 64
Trainable params: 64
Non-trainable params: 0
media
mnt
opt
proc
python-apt
root
run
sbin
srv
sys
tmp
tools
usr
var
Admission_Predict.csv
NGC-DL-CONTAINER-LICENSE
Disk
84.55 GB available
0s completed at 11:28 PM
Type here to search
ENG
23:32
11-04-2023


admiss.ipynb - Colaboratory
colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=tfoUS53UzSyk
Gmail
YouTube
Maps
News
Translate
admiss.ipynb
File Edit View Insert Runtime Tools Help Saving...
Comment
Share
Files
+ Code
+ Text
RAM
Disk
[42] print("***Random Forest***")
print("confusion matrix")
print(confusion_matrix(y_test,ypred_rf))
print("classification report")
print(classification_report(y_test,ypred_rf))
RandomForest(x_train,x_test,y_train,y_test)
0.996875
0.925
Random Forest
confusion matrix
[[6 4]
[2 68]]
classification report
precision recall f1-score support
False 0.75 0.60 0.67 10
True 0.94 0.97 0.96 70
accuracy 0.93 80
macro avg 0.85 0.79 0.81 80
weighted avg 0.92 0.93 0.92 80
..
sample_data
Admission_Predict.csv
Disk
84.54 GB available
0s completed at 1:55 PM
Type here to search
ENG
13:55
18-04-2023

admiss.ipynb - Colaboratory

colab.research.google.com/drive/1AIL6KtrHUstdiHhDX0QBv3aR3BE0grw0#scrollTo=tfoUS53UzSyk

admiss.ipynb

File Edit View Insert Runtime Tools Help All changes saved

Comment Share

Files

sample_data

Admission_Predict.csv

Disk 84.54 GB available

+ Code + Text

RAM Disk

```
[30] decisionTree(x_train,x_test,y_train,y_test)

1.0
0.8875
***Decision Tree***
confusion_matrix
[[ 7  3]
 [ 6 64]]
Classification Report
              precision    recall  f1-score   support

       False       0.54      0.70      0.61        10
        True       0.96      0.91      0.93        70

    accuracy                           0.89        80
   macro avg       0.75      0.81      0.77        80
weighted avg       0.90      0.89      0.89        80
```

```
[39] #testing on test & random input values
     dtc=DecisionTreeClassifier(criterion="entropy",random_state=0)
     dtc.fit(x_train,y_train)
     print("predicting on test values")
     dtc_pred=dtc.predict(x_test)
     print("output is:",dtc_pred)
```

0s completed at 1:55 PM

Type here to search

ENG 13:57 18-04-2023

```
[46] #importing the keras libraries and packages
     import keras
     from keras.models import Sequential
     from keras.layers import Dense
```

```
[48] #initialising the ANN
     classifier=Sequential()
```

```
[49] classifier.add(Dense(units=7,activation='relu',input_dim=7))
```

```
[50] classifier.add(Dense(units=7,activation='relu'))
```

```
[51] classifier.add(Dense(units=1,activation='linear'))
```

```
[52] classifier.compile(optimizer='adam',loss='binary_crossentrophy',metrics=['accuracy'])
```

0s completed at 2:00 PM

```python
@app.route('/')
def home():
    return render_template('Demo2.html')

@app.route('/y_predict',methods=['POST'])
def y_predict():
    '''
    For rendering results on HTML GUI
    '''
    #min max scaling
    min1=[290.0, 92.0, 1.0, 1.0, 1.0, 6.8, 0.0]
    max1=[340.0, 120.0, 5.0, 5.0, 5.0, 9.92, 1.0]
    k= [float(x) for x in request.form.values()]
    p=[]
    for i in range(7):
        l=(k[i]-min1[i])/(max1[i]-min1[i])
        p.append(l)
    prediction = model.predict([p])
    print(prediction)
    output=prediction[0]
    if(output==False):
        return render_template('noChance.html', prediction_text='You Dont have a chance of gettin
    else:
        return render_template('chance.html', prediction_text='You have a chance of getting admis
if __name__ == "__main__":
    app.run(debug=False)
```