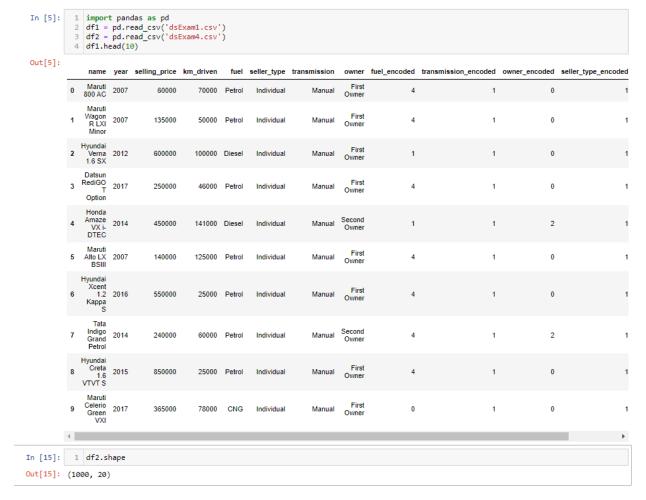
PART 1

he code	to import pandas	library in Python		
import	pandas as <u>pd</u>			
n 2	Not yet answered	Marked out of 1.00	Flag question	
the code	to load the data	set 'dsExam1.csv' and	i store to 'df1' datafr	ame
df1 = p	d.read_csv('dsExan	n1.csv')		
n 3	Not yet answered	Marked out of 1.00	Flag question	
he code	to Load the datas	et 'dsExam4.csv' and	store to 'df2' data fra	ne
	n 2 the code df1 = p	df1 = pd.read_csv('dsExan	n 2 Not yet answered Marked out of 1.00 the code to load the dataset 'dsExam1.csv' and df1 = pd.read_csv('dsExam1.csv') Not yet answered Marked out of 1.00	n 2 Not yet answered Marked out of 1.00 Flag question the code to load the dataset 'dsExam1.csv' and store to 'df1' datafr df1 = pd.read_csv('dsExam1.csv')

Questio	n 4	Not yet answered	Marked out of 1.00	Flag question	
Perform	the fo	llowing prediction	n tasks in python.		
Take a pe	eek at th	e first 10 entries o	f 'df1' data frame. A	ssume that df1 contains s	ome data.
Answer:	print(d	f1.head(10))			
df1.head(10)				
Question	•	Not yet answered	Marked out of 1.00	Flag question	
Perform	the fol	lowing prediction t	asks in python.		
Identify th	ne numb	er of rows and colur	nns of the data frame	'df2'. Assume that df2 con	tains some data.
Answer:	row = le	n(df2) col = len(df2.c	olumns)		

df2.shape



PART 2

is use when the variable to be predicted is categorical

The dataset is best suited for regression analysis its because

Question 1

Not yet answered

Marked out of 5.00

Flag question

Take a look at 'df1' data frame, discuss why the dataset is best suited for regression analysis. Name or list down the the possible input and target variable.

Why the dataset is best suited for regression analysis(Linear) because the target variable is categorical.

The possible input variable (name, year, selling price, km_driven, fuel, seller_type, transmission, owner, fuel_encoded, transmission_encoded, owner_encoded, seller_type_encoded) and the possible target/output vairable is year encoded.

Question 2

Not yet answered

Marked out of 5.00

Flag question

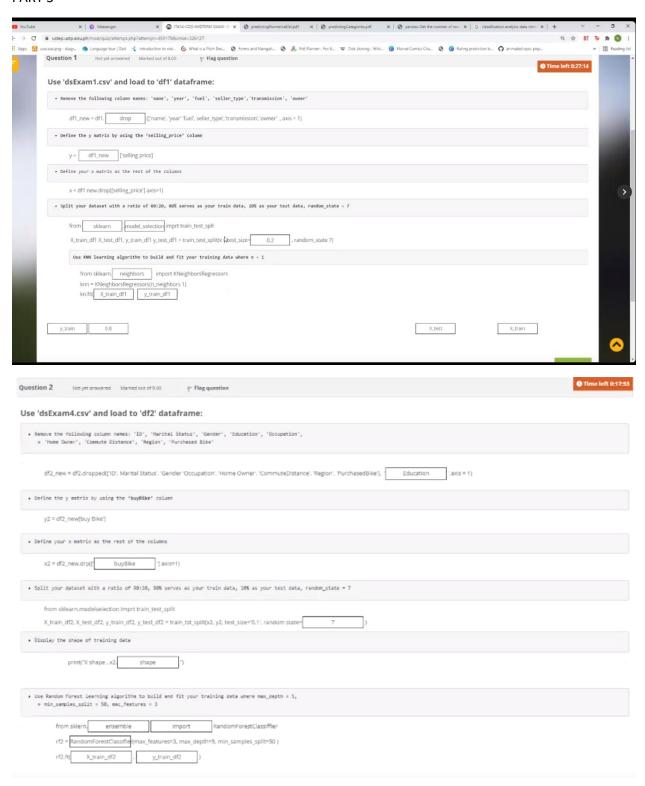
① Time left 0:02:03

Take a look at 'df2' data frame, discuss why the dataset is best suited for classification analysis. Name or list down the possible input and target variable.

Looking at 'df2' data frame, the dataset is best suited for classification analysis are used when the variable to be predicted is a categorical.

The possible input variable is (ID, Marital Status, Gender, Income, Children, Education, Occupation, Home Owner, Cars, Commute Distance, Region, Age, Purchased Bike, MS_encoded, gender_encoded, educ_encoded, Occupation_encoded, HO_encoded, CD_encoded) and the possible output or target variable is buyBike.

PART 3



PART 4

output:

print(accuracy_rf2)



Perform Prediction for training data
y_pred_rf = rf2.predct((X_train_df2)
accuracy_rf = accuracy_scores(y_true=y_trains_df2, y_pred= y_pred_rf))
print(accuracy_rf))
Output: 0.670
Performing Prediction for test data
y_pred_rf2 = rf2.predict(X_test_df2)
accuracy_rf2 = accuracy_scores(y_true=y_test_df2, y_preds=y_pred_rf2
print(accuracy_rf2)
output: 0.615
0.718 y_pred_rf2 Test Output - Not Found
0.660 Train Output - Not Found