Edureka India

HackerEarth assessment report

Candidate:
prasanthkumar.sl.yedithe

Test:
Test 1 Batch 53 (Python for AIML)

Test link:
https://p.hck.re/abVt

Report Access URL:
https://p.hck.re/rszt (You can share this URL with anyone to access the report.)

prasanthkumar.sl.yedithe Review pending

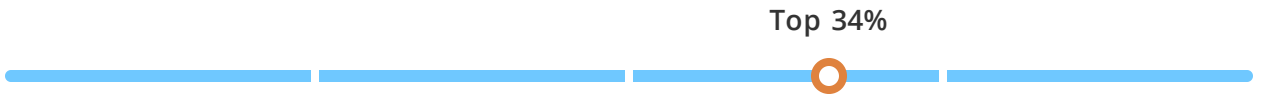
TOTAL SCORE

60/100

RANK
2/3

ATTEMPTED
7 of 7 questions

TEST BENCHMARK



Test time analysis

TEST INVITE TIME
Nov 21 2022, 01:02:35 PM IST

TEST START TIME
Dec 04 2022, 10:31:27 AM IST

TEST END TIME
Dec 04 2022, 10:36:20 AM IST

TEST DURATION
4 min 52 sec of 3 hr used.

Key observations

Score yet to be assigned

1 question that was attempted has not been assigned a score yet.

Tabs switched 0 times

The number of times tabs are switched is recorded by the system. This also includes minimizing system notifications, automatic minimization of the current window when an application is clicked, etc.

97.3% of test duration not used

Ended the test in 4 min 52 sec. (total test duration: 3 hr.)

Internet plagiarism details

The candidate has not copied from internet on the test.

Candidate snapshots

5 snapshots of the candidate have been taken during the test.

View snapshots

About prasanthkumar.sl.yedithe

Email ID

prasanthkumar.sl.yedithe@gmail.com

Detailed submission report

Multiple Choice Questions

Questions attempted: 6 of 6

#	Questions (6)	Result	Score (60/60)
1	Which of the following is not supported in pandas library? A. Merge and Join B. Time Series C. Training the model D. Data visualizations **Options** A. A and B B. C and D C. A and D D. C CORRECTLY ATTEMPTED	✓	10/10
2	Given the following data frame: *arr = np.arange(20).reshape(-1,5)* *df_num = pd.DataFrame(arr, columns=list('12345'))* *df_num*	✓	10/10

	1	2	3	4	5
0	0	1	2	3	4
1	5	6	7	8	9
2	10	11	12	13	14
3	15	16	17	18	19

Convert the above *df_num* into the following:

	5	4	3	2	1
0	4	3	2	1	0
1	9	8	7	6	5
2	14	13	12	11	10
3	19	18	17	16	15

Options

A. df_num.sort_index(axis=1, ascending=False, inplace=True) CORRECTLY ATTEMPTED

B. df_num[sorted(df_num.columns)]

C. df_num[(df_num.columns).sort()]

D. All of the above

3 Which of the following statements are TRUE? 10/10

A. The SciPy library depends on NumPy, which provides convenient and fast N-dimensional array manipulation.

B. **DataFrame** is a 3-dimensional labeled data structure in Pandas

C. **matplotlib** is a plotting library in python

D. Pylab is a package that combines NumPy, SciPy, and Matplotlib into a single namespace.

Options

A. C

B. B and D

C. A, C and D CORRECTLY ATTEMPTED

D. A and B

4 Given the following two lists 10/10

L1 = ['a', 'b', 'c', 'd']

L2 = ['e', 'f', 'g']

In order to get the following output L1 = ['a', 'b', 'c', 'd', 'e', 'f', 'g'], which of the following is true:

Options

A. L1.append(L2)

B. L1.extend(L2) CORRECTLY ATTEMPTED

C. L1+L2

D. All of the above

5 Given the following automobile data ✓ 10/10

	index	company	body-style	wheel-base	length	engine-type	num-of-cylinders	horsepower	average-mileage	price
0	0	alfa-romero	convertible	88.6	168.8	dohc	four	111	21	13495.0
1	1	alfa-romero	convertible	88.6	168.8	dohc	four	111	21	16500.0
2	2	alfa-romero	hatchback	94.5	171.2	ohcv	six	154	19	16500.0
3	3	audi	sedan	99.8	176.6	ohc	four	102	24	13950.0
4	4	audi	sedan	99.4	176.6	ohc	five	115	18	17450.0

How to convert the above data frame 'auto' into the following form:

	index	company	wheel-base	length	engine-type	num-of-cylinders	horsepower	average-mileage	price	convertible	hardtop	hatchback	sedan	wagon
0	0	alfa-romero	88.6	168.8	dohc	four	111	21	13495.0	1	0	0	0	0
1	1	alfa-romero	88.6	168.8	dohc	four	111	21	16500.0	1	0	0	0	0
2	2	alfa-romero	94.5	171.2	ohcv	six	154	19	16500.0	0	0	1	0	0
3	3	audi	99.8	176.6	ohc	four	102	24	13950.0	0	0	0	1	0
4	4	audi	99.4	176.6	ohc	five	115	18	17450.0	0	0	0	1	0

Which of the following answers is/are correct?

A. auto['body-style'] = auto['body-style'].astype('category')
df = pd.cat_codes(auto['body-style'])
fullData=pd.concat([auto,df],axis=1)
fullData.drop('body-style', inplace=True, axis =1)

B. df = pd.get_dummies(auto['body-style'])
fullData=pd.concat([auto,df],axis=1)
fullData.drop('body-style', inplace=True, axis =1)

C. auto['body-style'] = auto['body-style'].astype('category')
df = pd.get_dummies(auto['body-style'])
fullData=pd.concat([auto,df],axis=1)
fullData.drop('body-style', inplace=True, axis =1)

Options

A. A

B. B

C. B and C CORRECTLY ATTEMPTED

D. All of the above

6 Given the following automobile data : 10/10

	index	company	body-style	wheel-base	length	engine-type	num-of-cylinders	horsepower	average-mileage	price
0	0	alfa-romero	convertible	88.6	168.8	dohc	four	111	21	13495.0
1	1	alfa-romero	convertible	88.6	168.8	dohc	four	111	21	16500.0
2	2	alfa-romero	hatchback	94.5	171.2	ohcv	six	154	19	16500.0
3	3	audi	sedan	99.8	176.6	ohc	four	102	24	13950.0
4	4	audi	sedan	99.4	176.6	ohc	five	115	18	17450.0

Which of the following code will be used to get the average price of all the cars for each company:

Options

A. car_Manufacturers = auto.groupby('company') priceDf = car_Manufacturers['company','price'].mean() priceDf CORRECTLY ATTEMPTED

B. car_Manufacturers = auto.groupby('price') priceDf = car_Manufacturers['company','price'].mean() priceDf

C. car_Manufacturers = auto.groupby(‘company’) priceDf = car_Manufacturers['company','price'] priceDf

D. priceDf = car_Manufacturers['company','price'].mean() priceDf

Python Project Questions

Questions attempted: 1 of 1

#	Questions (1)	No. of attempts	Result	Score (0/40)
1	Question 1 A Cab booking company wanted to analyze the dataset they have in order to gain more insights. They the number of cabs booked each hour along with some environment features. Here is the following list of data elements present in the	2		0/40

environment features. Here is the following list of data elements present in the data:

1. **Datetime**: Date and time
2. **Season**: Season value, e.g., summer, winter, etc.
3. **Holiday**: Whether it is a holiday or not,
4. **Workingday**: Whether it is a working day or not
5. **Weather**: What is the weather that day, e.g., Clear, cloudy, rain, etc.
6. **Temp**: What is the temperature value
7. Atemp: Feel like temperature
8. **Humidity**: Humidity value
9. **Windspeed**: wind speed value
10. **Total_booking**: Number of cab bookings in that hour

Question 1: [15 Marks]

Feature Engineering: Create following features from the column “Datetime” and append it in the same dataframe

1) Hour: Hour in the datetime, e.g., datetime = 5/2/2012 19:00, hour = 19

2) weekday: e.g., datetime = 5/2/2012 19:00, weekday = Wednesday

3) Month: e.g., datetime = 5/2/2012 19:00, Month = May

4) date: e.g., datetime = 5/2/2012 19:00, date = 5/2/2012

Write the output of this question in **'output/output1.csv'**

Question 2: [10 Marks]

Find the average number of bookings in each month across years and sort the data in descending order.

Write the output of this question in **'output/output2.csv'**

Question 3: [15 Marks]

It has the following three tasks

1) Convert all categorical variables into one-hot encoded features

2) Concat one hot encoded features into original dataframe

3) Remove the original columns from the dataframe.

Hint: Categorical Variables are = weekday, month, season, weather

Write the output of this question in **'output/output3.csv'**

The file is in ***.csv** format and is present at the location **res/train.csv**.

*****Write the code only inside solution() function and do not pass any additional arguments to the function. For predefined stub refer stub.py. This question will be manually evaluated*****

Score	Result	Time	Submitted on	
0	✖	3800 sec	Dec 04, 2022 05:06 AM IST	Download

Submission details

Submission ID: 364494 | Dec 04, 2022 05:06 AM IST

RESULT	SCORE	TIME	SUBMITTED ON
Wrong answer	0/40 Partial scoring disabled	3800 sec	Dec 04, 2022 05:06 AM IST

Input	Result	Time (in sec)	Score	Output
Input #1		1250	0	
Input #2		1270	0	
Input #3		1280	0	

Partial scoring disabled