



Graded Quiz: Exploratory Data Analysis

Graded Quiz • 10 min

Due Sep 13, 12:29 PM IST

TOTAL POINTS 5

1. What task does the method **value_counts** perform?

1 point

- ☐ Returns summary statistics
- ☒ Returns counts of unique values
- ☐ Returns the first five columns of a dataframe

2. What is the largest possible element resulting in the operation **df.corr()**?

1 point

- ☐ 100
- ☐ 1000
- ☒ 1

3. If the p-value of the Pearson Correlation is 1, then ...

1 point

- ☐ The variables are correlated
- ☐ The variables are not correlated
- ☒ None of the above



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3. If the p-value of the Pearson Correlation is 1, then ...

1 point

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- ☐ The variables are not correlated
- ☒ None of the above

4. Consider the following dataframe:

1 point

```
1 df_test = df[['body-style', 'price']]
```

The following operation is applied:

```
1 df_grp = df_test.groupby(['body-style'], as_index=False).mean()
```

What are the resulting values of: **df_grp['price']**?

- ☒ The average price for each body style
- ☐ The average price
- ☐ The average body style

5. What is the Pearson Correlation between variables X and Y, if $X=-Y$?

1 point

☐ -1

☒ 1

☐ 0