1. **Consider the dataframe df, what method provides the summary statistics? (1 Point)**

   Describe()

2. **What does the horizontal axis is in a scatter plot represent? (1 Point)**

   Independent variable

3. **If we have 10 columns and 100 samples, how large is the output of df.corr()?(1 Point)**

   10 x 10

4. **If the p-value of the Pearson Correlation is 1, then... (1 Point)**

   The variables are correlated

5. **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()
```

   The average price for each body style

6. **Correlation implies causation (1 Point)**

   false

7. **What is the Pearson correlation between variables X and Y, if X=-Y (1 Point)**

   -1