

# Module 3 – Exploratory Data Analysis

**Question 1: Consider the dataframe "df". Which method provides the summary statistics?**

- **df.describe()**
- df.head()
- df.tail()
- df.summary()

**Question 2: Consider the following dataframe:**

**df\_test = df['body-style', 'price']**

**The following operations is applied:**

**df\_grp = df\_test.groupby(['body-style'], as\_index=False).mean()**

**What are resulting values of df\_grp['price']:**

- **The average price for each body style**
- The average price
- The average body style

**Question 3: Correlation implies causation :**

- **False**
- True

**Question 4: What is the minimum possible value of Pearson's Correlation :**

- 1
- -100
- **-1**

**Question 5: What is the Pearson correlation between variables X and Y, if X=Y:**

- -1
- **1**
- 0
- X
- Y