1. What type of data does a Bar Chart best represent?

- ○ Location Data
- ○ Numerical
- ◉ Categorical
- ○ None of the above

✓ Correct

2. What are the total number of columns in the features dataframe after applying one hot encoding to columns Orbits, LaunchSite, LandingPad and Serial .

Here the **features dataframe consists of the following columns FlightNumber', 'PayloadMass', 'Orbit', 'LaunchSite', 'Flights', 'GridFins', 'Reused', 'Legs', 'LandingPad', 'Block', 'ReusedCount', 'Serial'**

- ○ 120
- ◉ 80
- ○ 83
- ○ 96

✓ Correct

3. The catplot code to show the scatterplot of FlightNumber vs LaunchSite with x as FlightNumber, and y to Launch Site and hue to 'Class' is

- sns.catplot(y="LaunchSite",x="FlightNumber",hue="Class", data=df, aspect = 1,kind='cat')
  plt.ylabel("Launch Site",fontsize=15)
  plt.xlabel("Flight Number",fontsize=15)
  plt.show()

- (selected) sns.catplot(y="LaunchSite",x="FlightNumber",hue="Class", data=df, aspect = 1)
  plt.ylabel("Launch Site",fontsize=15)
  plt.xlabel("Flight Number",fontsize=15)
  plt.show()

- sns.catplot(y="LaunchSite",x="FlightNumber",hue="Class", data=df, aspect = 1,kind='scatter')
  plt.ylabel("Launch Site",fontsize=15)
  plt.xlabel("Flight Number",fontsize=15)
  plt.show()

- sns.catplot(y="LaunchSite",x="FlightNumber",hue="Class", col="Class", data=df, aspect = 1)
  plt.ylabel("Launch Site",fontsize=15)
  plt.xlabel("Flight Number",fontsize=15)
  plt.show()

Correct