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

   1 / 1 point

   ○ 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 .

   1 / 1 point

   Here the **features dataframe consists of the following columns FlightNumber' 'PayloadMass' 'Orbit'**

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   **1 / 1 point**

○ 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()