Exploratory Data Analysis for Data Visualization

Latest Submission Grade 100%

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', '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()

(●) 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