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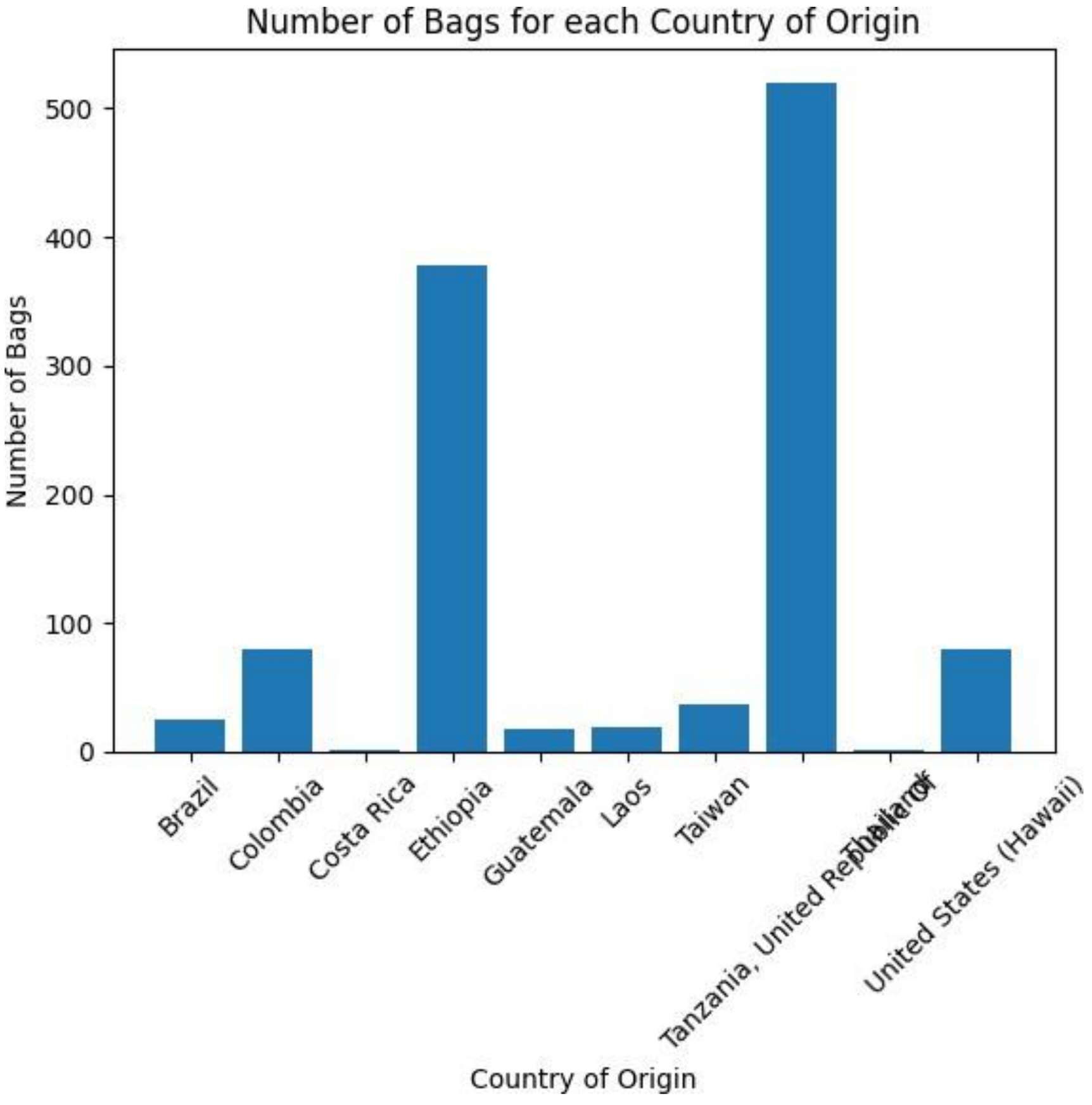
```
import pandas as pd
import matplotlib.pyplot as plt

# Read the CSV file into a pandas DataFrame
data = pd.read_csv('/content/coffee.csv')

# . Bar Chart - Number of bags for each country of origin
country_bags = data.groupby('Country of Origin')['Number of Bags'].sum()
plt.bar(country_bags.index, country_bags.values)
plt.xlabel('Country of Origin')
plt.ylabel('Number of Bags')
plt.title('Number of Bags for each Country of Origin')
plt.xticks(rotation=45)
plt.show()


# . Line Chart - Change in aroma rating over the dataset
plt.plot(data['Aroma'])
plt.xlabel('Data Point')
plt.ylabel('Aroma Rating')
plt.title('Change in Aroma Rating over the Dataset')
plt.show()

# . Scatter Plot - Relationship between flavor and acidity ratings
plt.scatter(data['Flavor'], data['Acidity'])
plt.xlabel('Flavor Rating') plt.ylabel('Acidity
Rating')
plt.title('Relationship between Flavor and Acidity Ratings')
plt.show()

# .  Histogram - Distribution of aftertaste ratings
plt.hist(data['Aftertaste'], bins=10)
plt.xlabel('Aftertaste Rating') plt.ylabel('Frequency')
plt.title('Distribution of Aftertaste Ratings')
plt.show()
```

```
# . Stacked Bar Chart - Sweetness and moisture percentage for each country
of␣
  ↪origin
sweetness = data.groupby('Country of Origin')['Sweetness'].sum()
moisture = data.groupby('Country of Origin')['Moisture Percentage'].sum()
plt.bar(sweetness.index, sweetness.values, label='Sweetness') plt.bar(moisture.index,
moisture.values, bottom=sweetness.values,␣
  ↪label='Moisture Percentage')
plt.xlabel('Country of Origin') plt.ylabel('Value')
plt.title('Sweetness and Moisture Percentage for each Country of Origin')
plt.xticks(rotation=45)
plt.legend()plt.show()
```


Number of Bags for each Country of Origin
Number of Bags
500
400
300
200
100
0
Brazil
Colombia
Costa Rica
Ethiopia
Guatemala
Laos
Taiwan
United States (Hawaii)
Country of Origin

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