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

```
from google.colab import files
uploaded = files.upload()
```

Choose Files No file chosen Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable.

Saving customer_dataset.csv to customer_dataset.csv

```
df = pd.read_csv('customer_dataset.csv')
```

```
print(df.head(5))
```

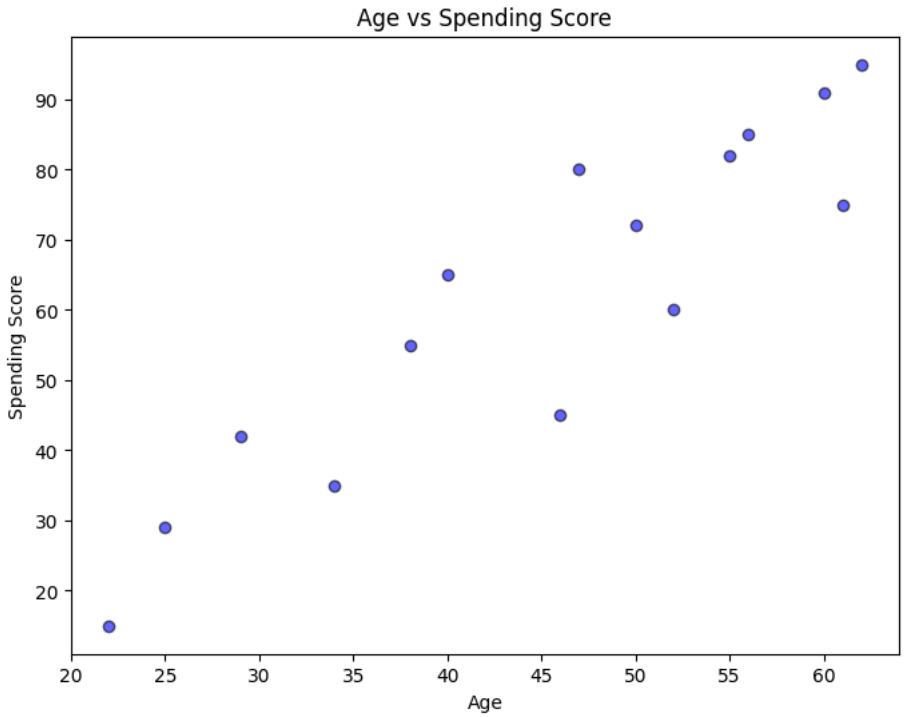
```
   CustomerID  Age  SpendingScore
0           1   22             15
1           2   25             29
2           3   47             80
3           4   52             60
4           5   46             45
```

```
age_avg = df['Age'].mean()
age_median = df['Age'].median()
spending_avg = df['SpendingScore'].mean()
spending_median = df['SpendingScore'].median()
```

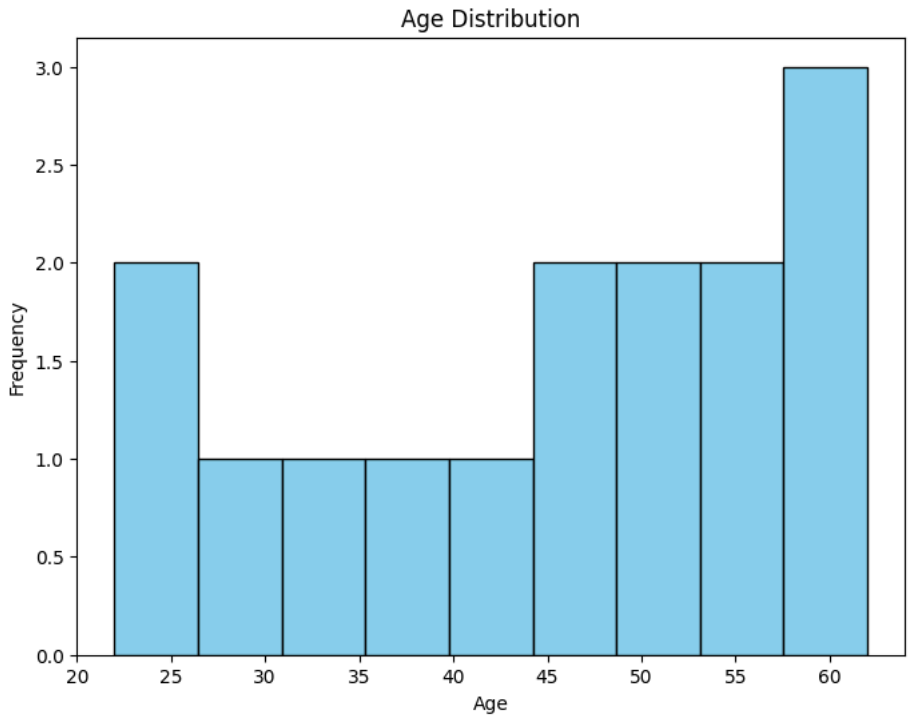
```
print("\nAverage Age:", age_avg)
print("Median Age:", age_median)
print("Average Spending Score:", spending_avg)
print("Median Spending Score:", spending_median)
```

```
Average Age: 45.13333333333333
Median Age: 47.0
Average Spending Score: 61.733333333333334
Median Spending Score: 65.0
```

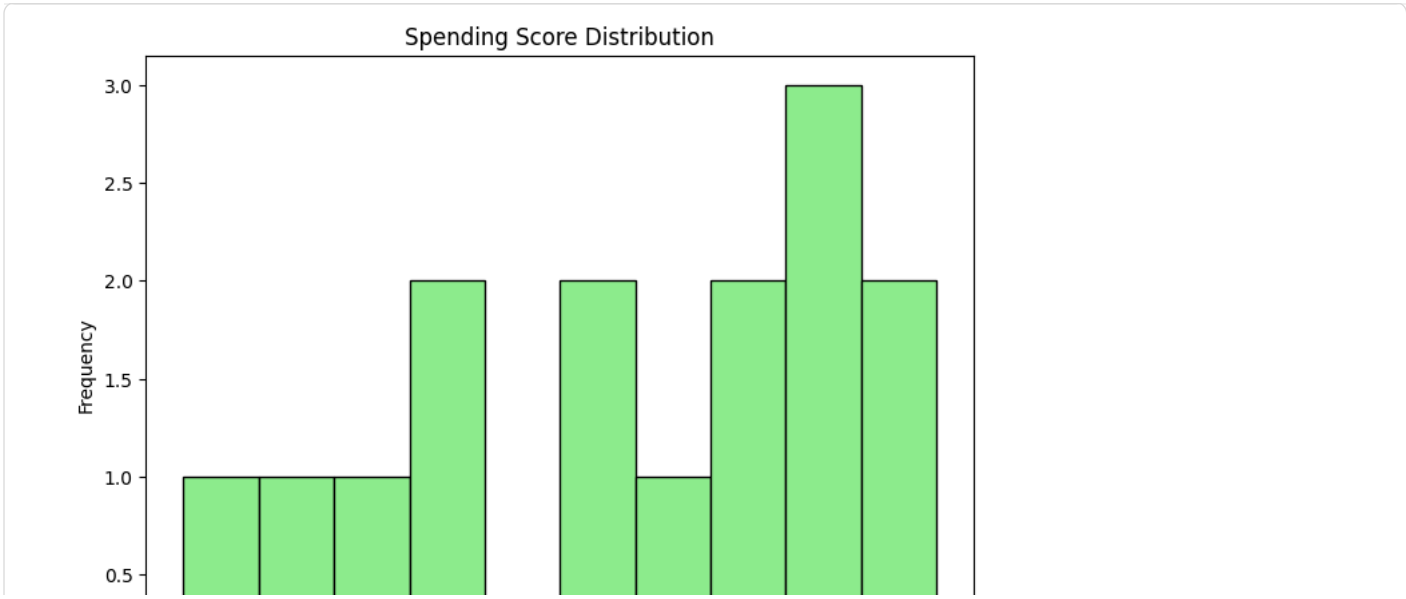
```
plt.figure(figsize=(8,6))
plt.scatter(df['Age'], df['SpendingScore'], c='blue', alpha=0.6, edgecolors='k')
plt.title('Age vs Spending Score')
plt.xlabel('Age')
plt.ylabel('Spending Score')
plt.show()
```




```
plt.figure(figsize=(8,6))
plt.hist(df['Age'], bins=9, color='skyblue', edgecolor='black')
plt.title('Age Distribution')
plt.xlabel('Age')
plt.ylabel('Frequency')
plt.show()
```




```
plt.figure(figsize=(8,6))
plt.hist(df['SpendingScore'], bins=10, color='lightgreen', edgecolor='black')
plt.title('Spending Score Distribution')
plt.xlabel('Spending Score')
plt.ylabel('Frequency')
plt.show()
```


Spending Score Distribution
Frequency
3.0
2.5
2.0
1.5
1.0
0.5