

Unemployment Analysis

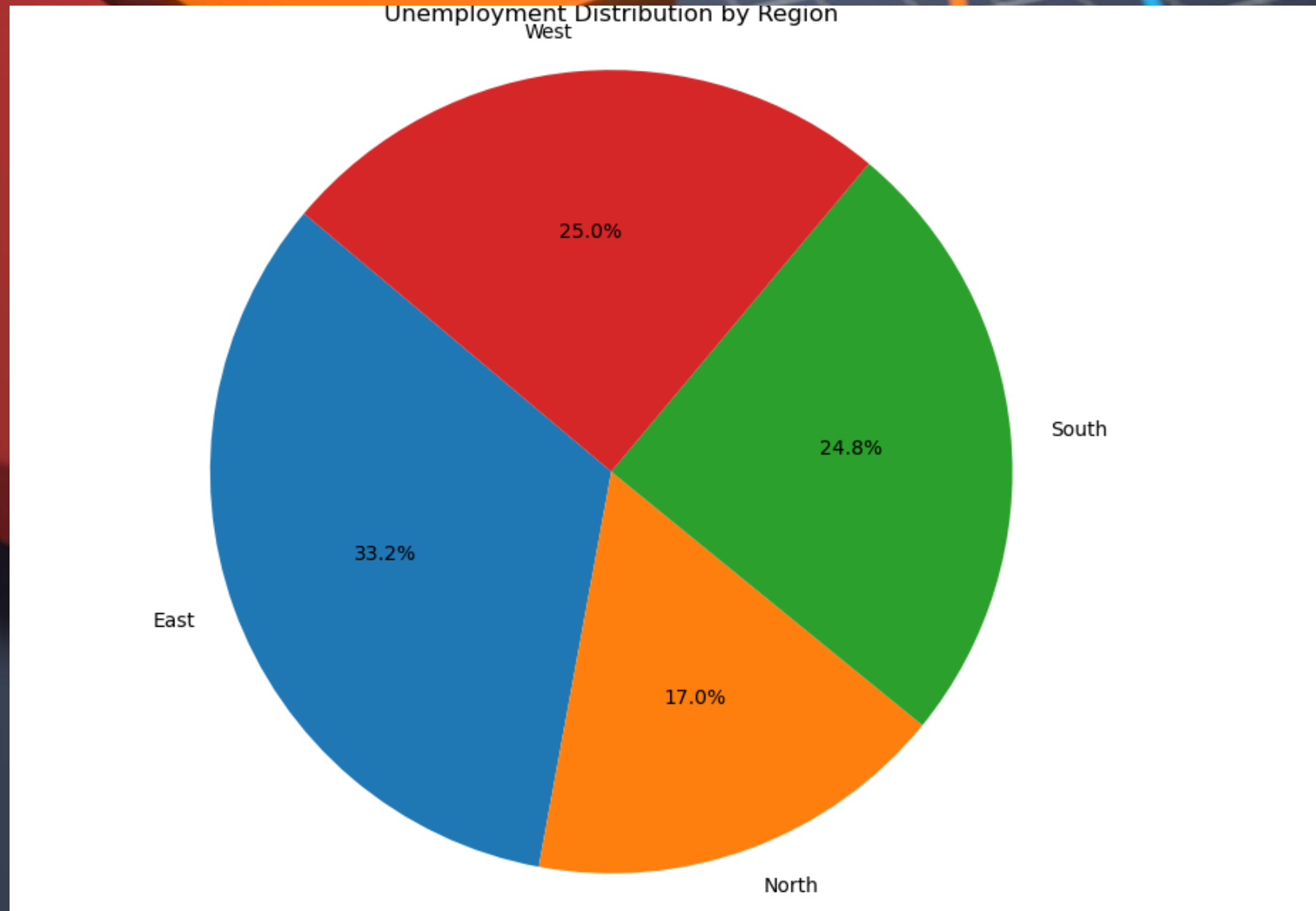
Taking the Help of Python – 10 Plots

```
import pandas as pd

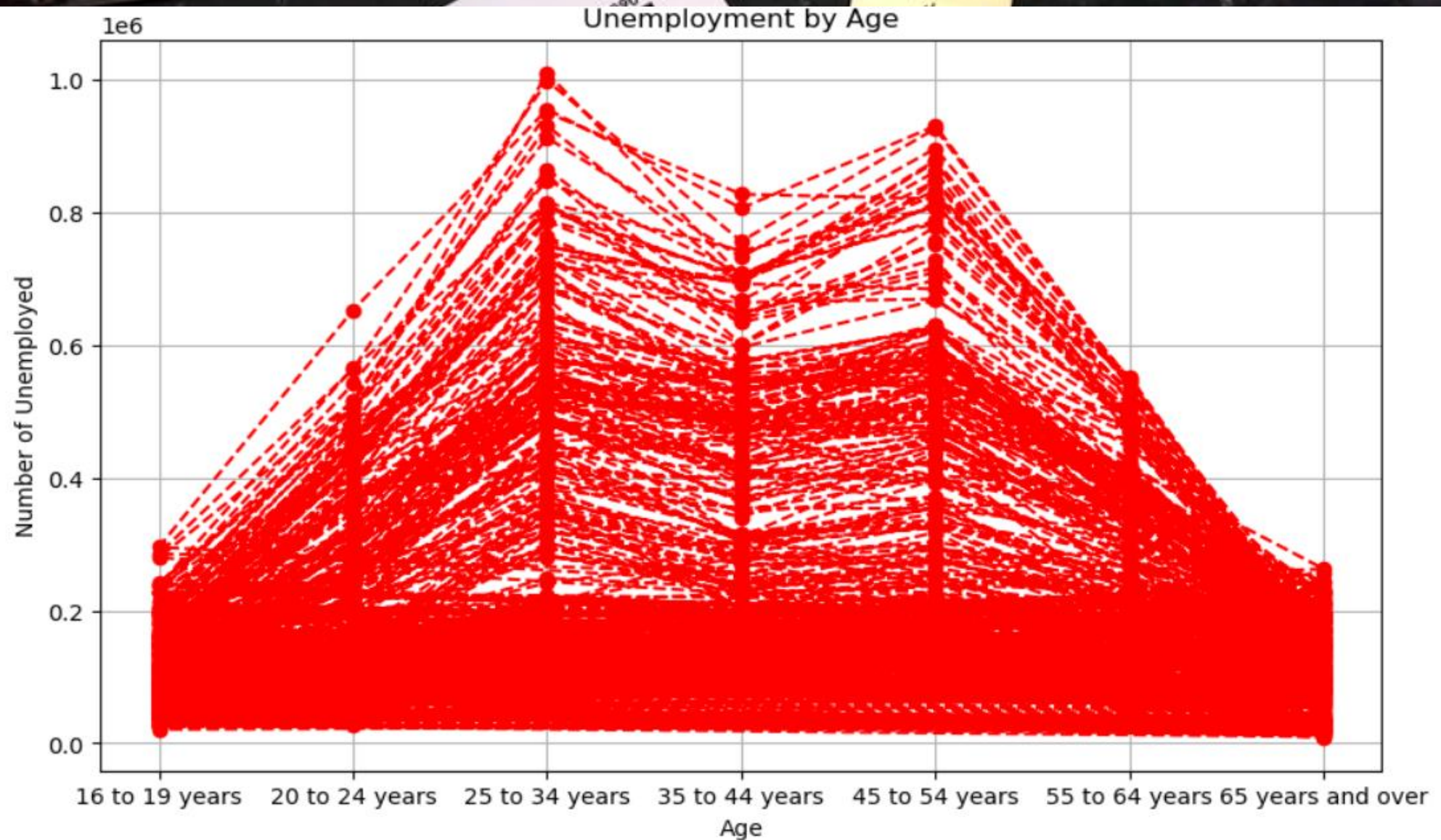
# Load the dataset
file_path = r"C:\Users\sunny\OneDrive\Desktop\All the projects\17. Long-Te
df = pd.read_excel(file_path)

# Display the first few rows of the dataframe to understand its structure
df.head()
```

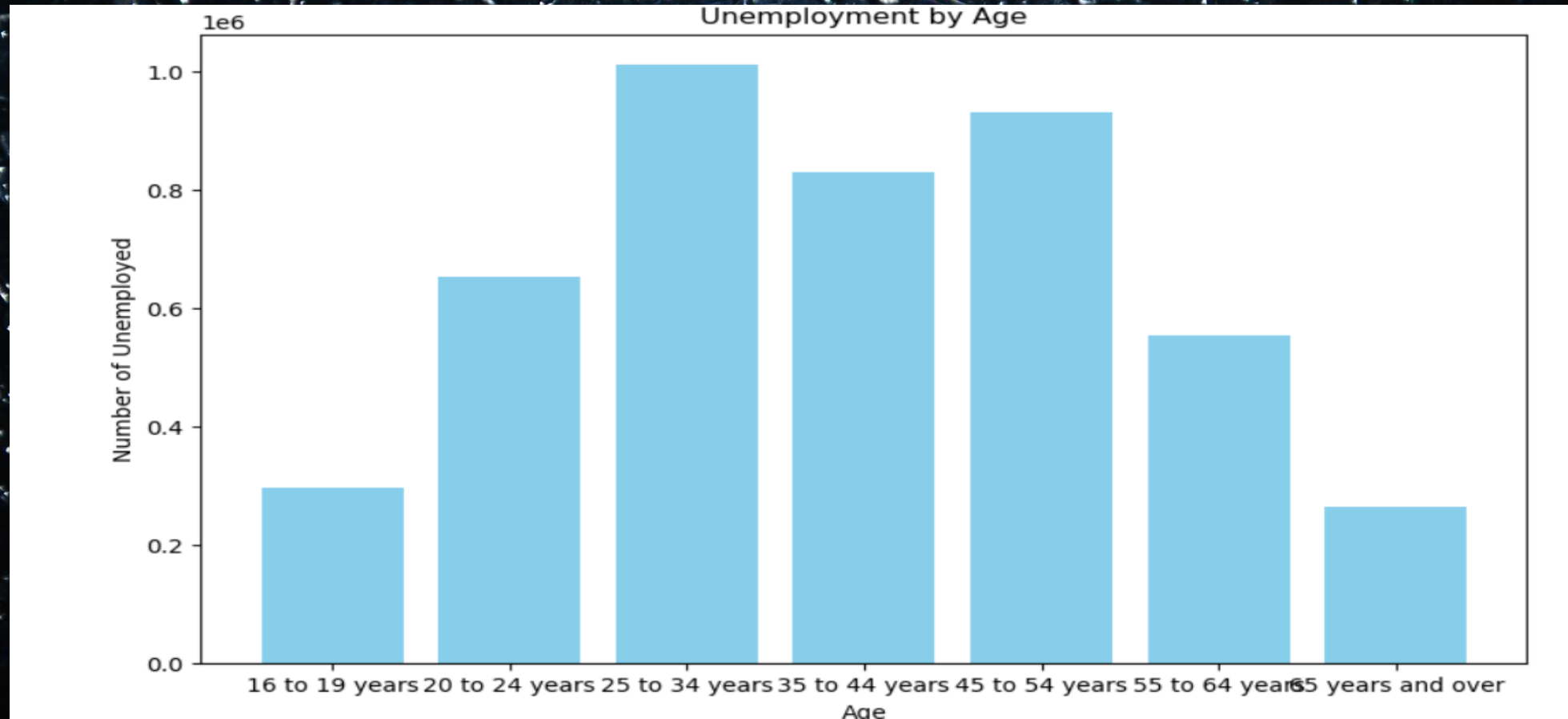
Pie Chart



Pie Chart

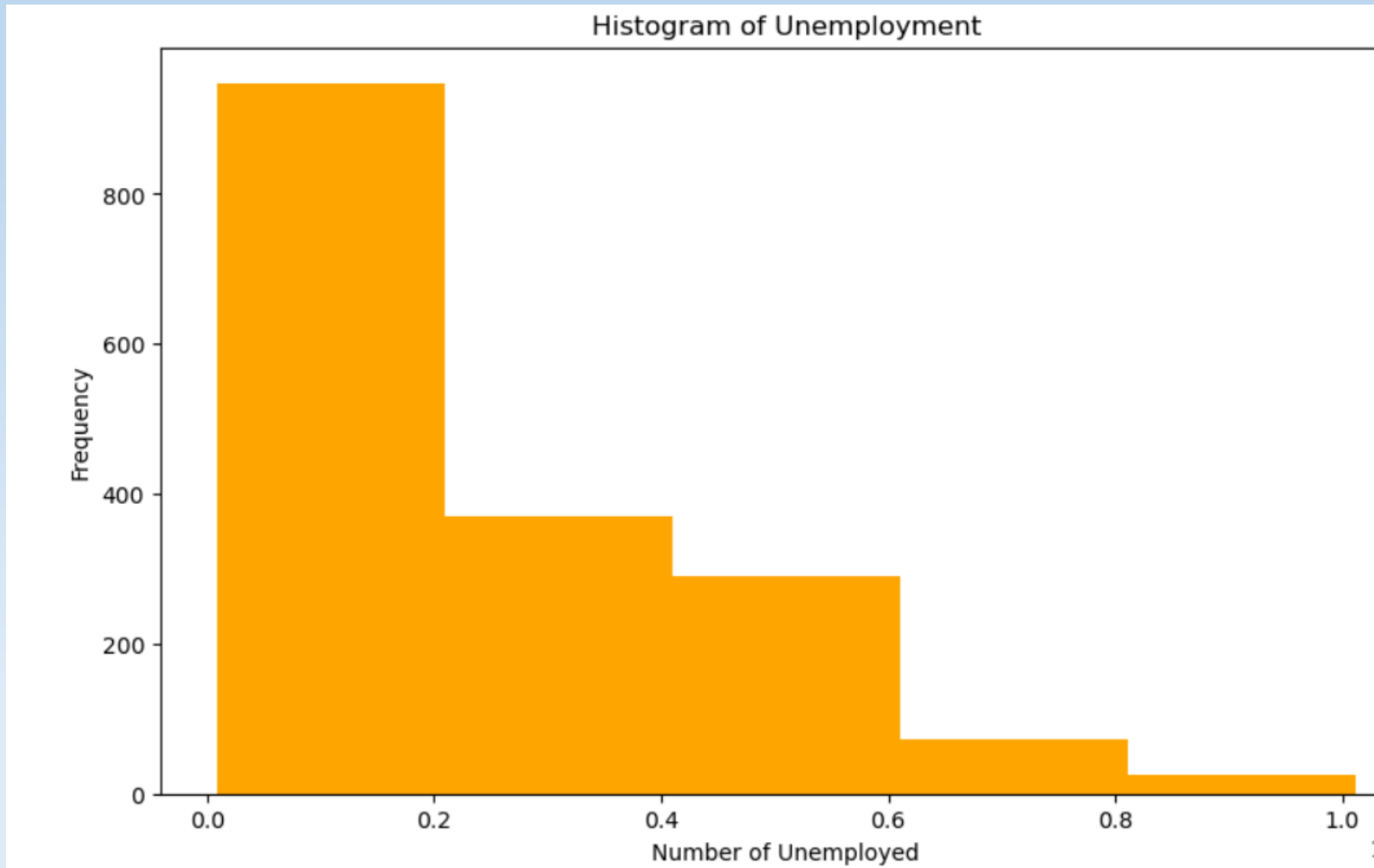


Bar Plot

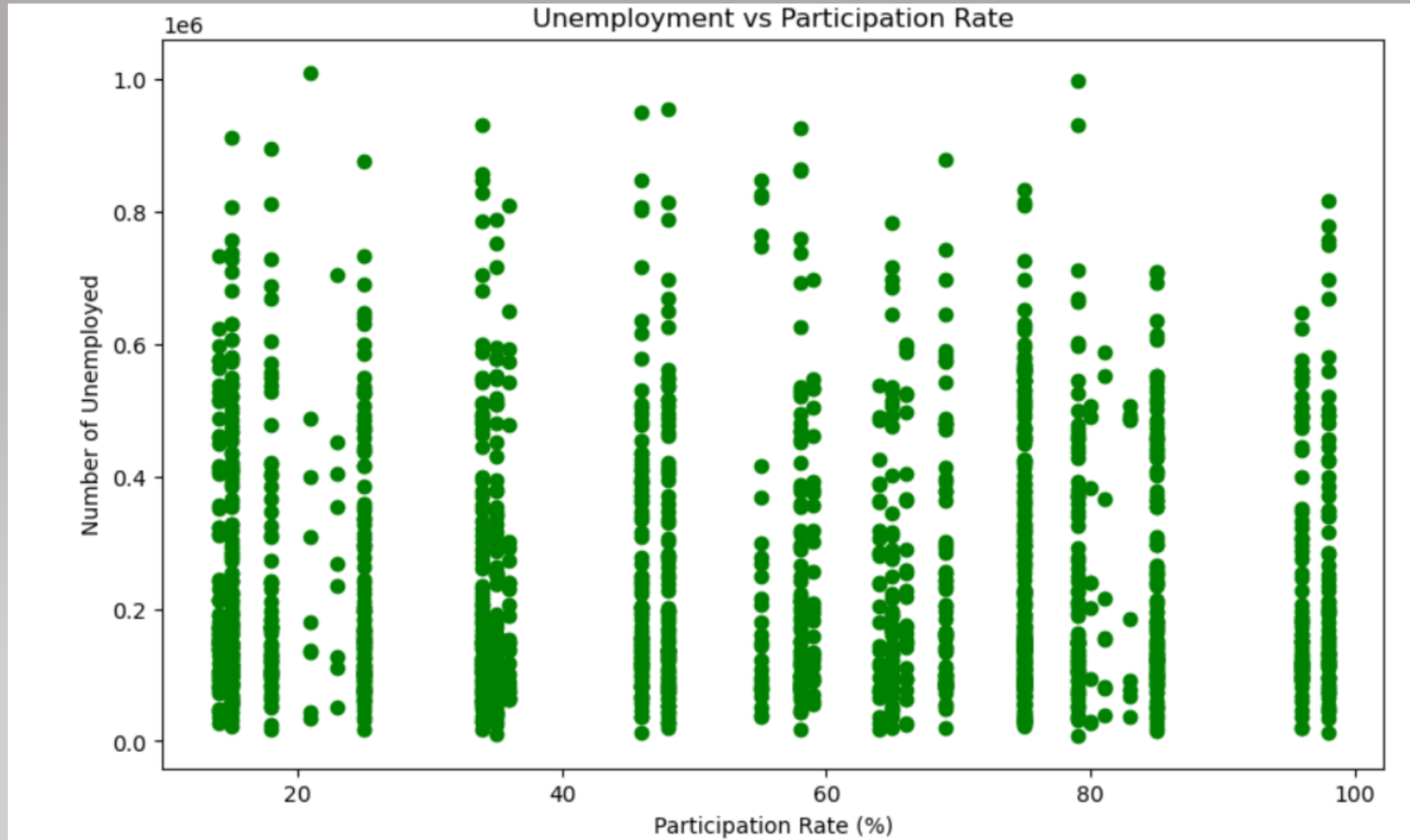


```
plt.figure(figsize=(10, 6))
plt.bar(df['Age'], df['Unemployed'], color='skyblue')
plt.title('Unemployment by Age')
plt.xlabel('Age')
plt.ylabel('Number of Unemployed')
plt.show()
```

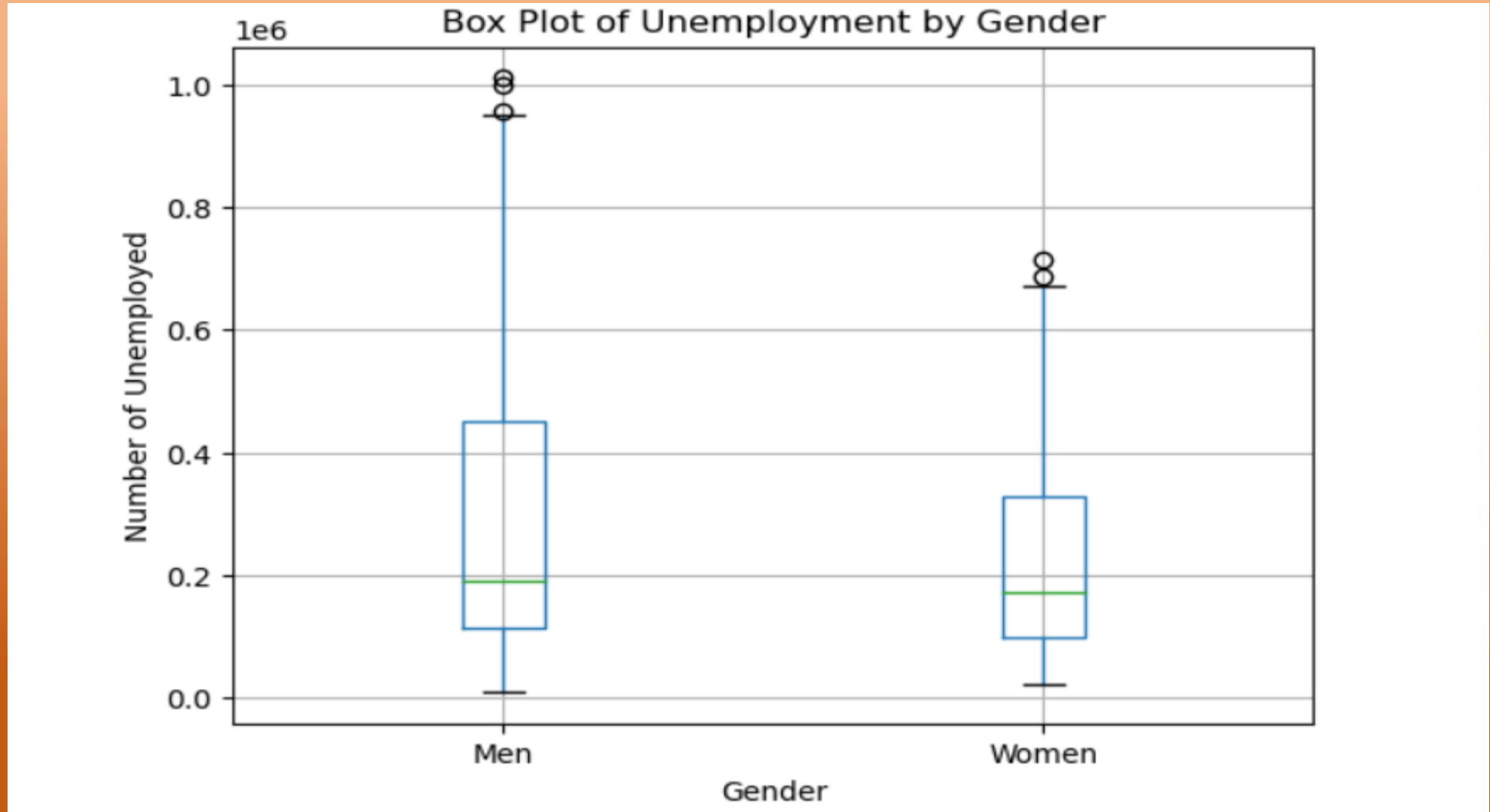
Histogram



Scatter Plot



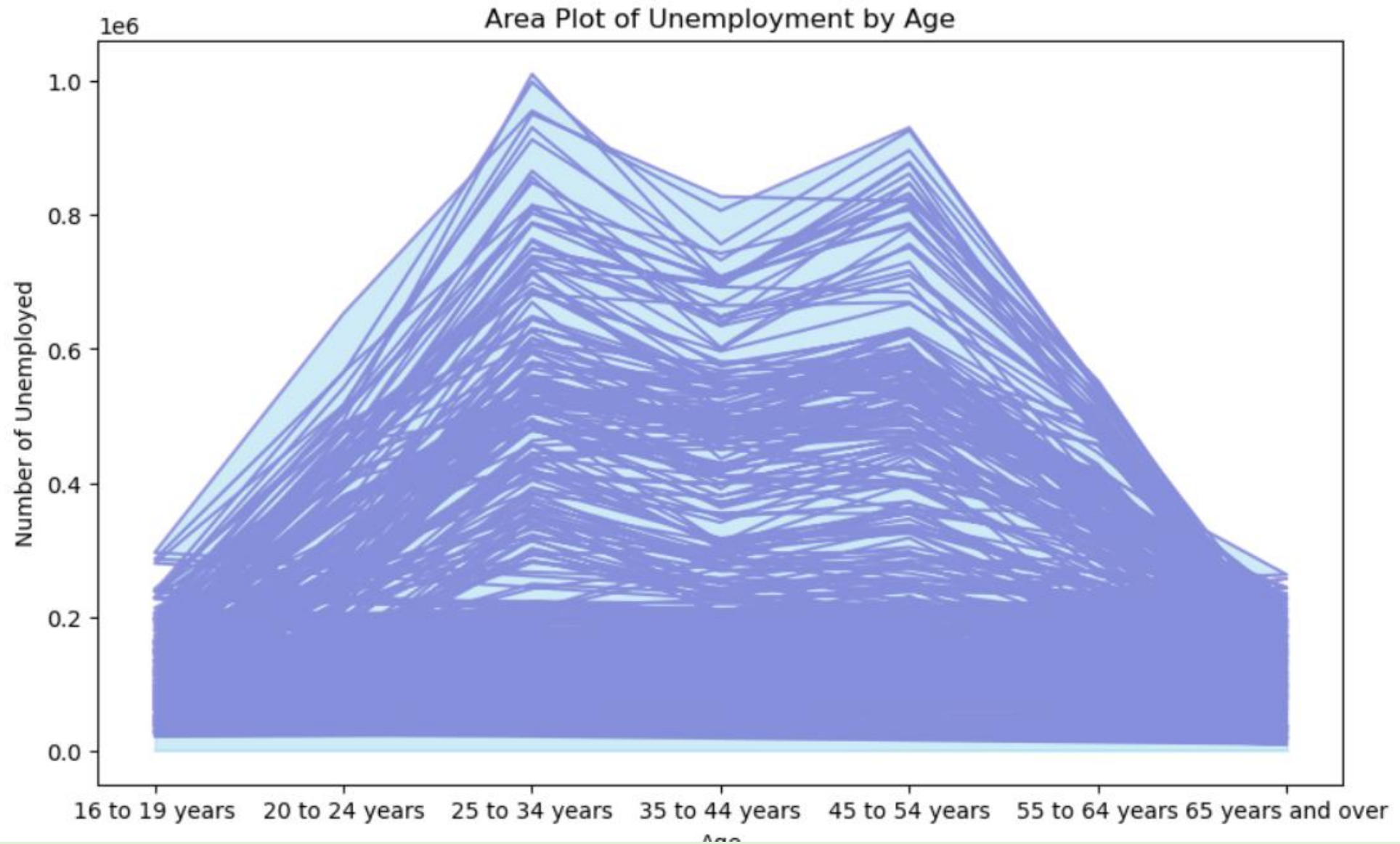
Box Plot



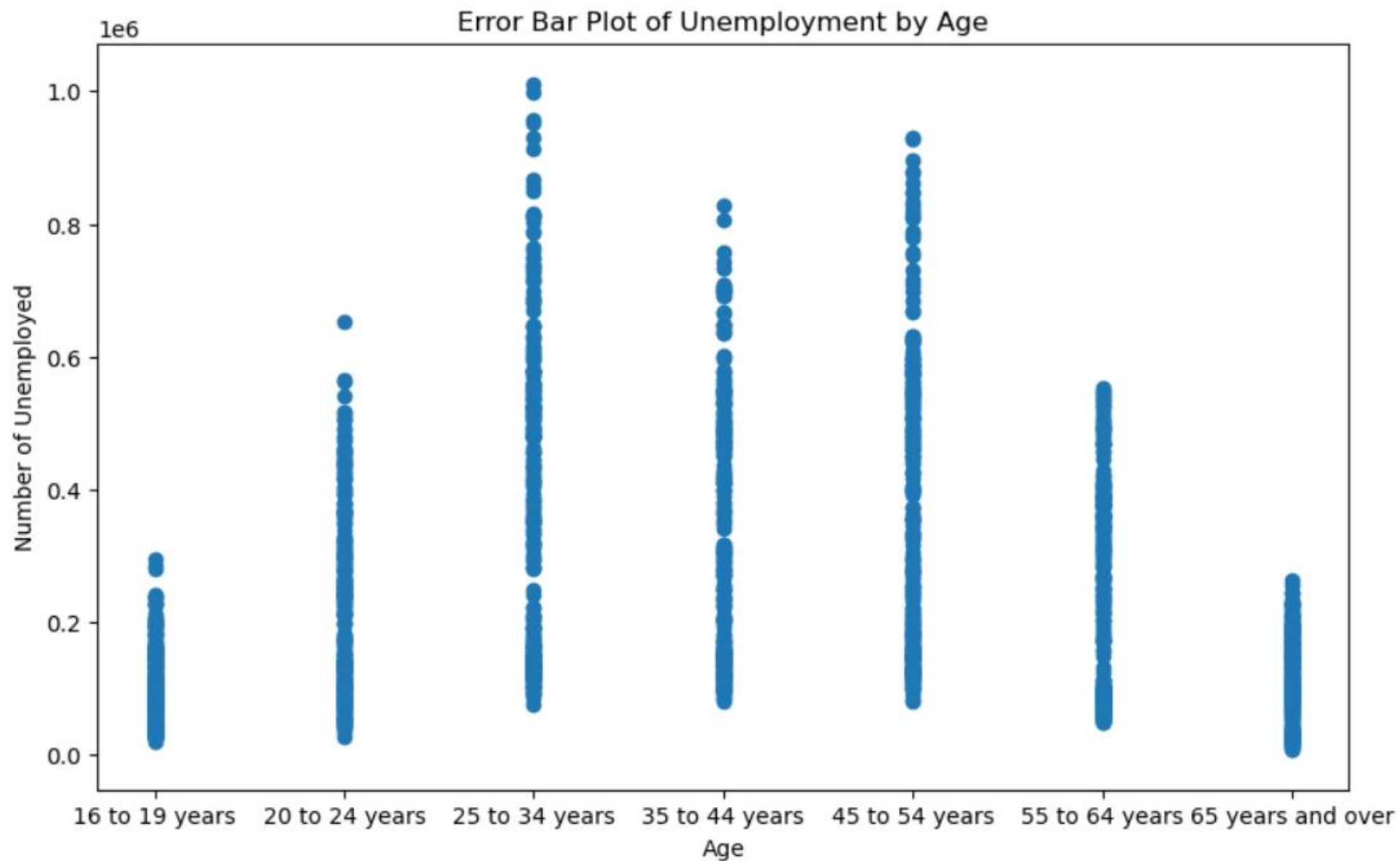
Violin Plot



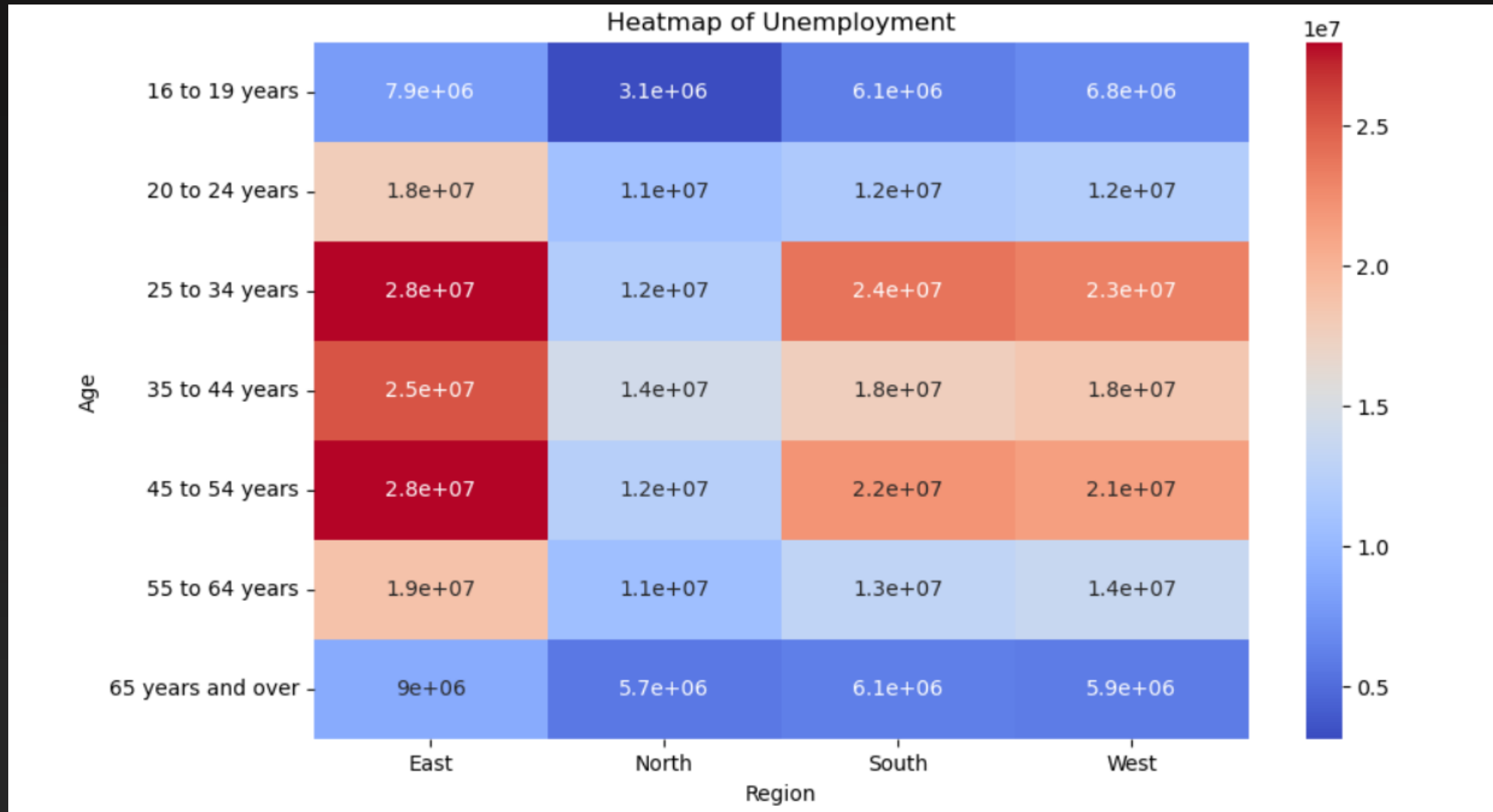
Area Plot



Error Bar Plot



Pie Chart



The visualizations highlighted
key patterns and trends.

Thank You