# Importing necessary libraries

import pandas as pd

import matplotlib.pyplot as plt

import seaborn as sns

# Load the dataset

url = "https://drive.google.com/uc?id=1yMlOxbh2oem\_EYq9noO\_G18gkoxH035g"

data = pd.read\_csv(url)

# Display the first few rows of the dataset

print(data.head())

# Histogram

plt.figure(figsize=(8, 6))

sns.histplot(data['Age'], bins=20, kde=True, color='skyblue')

plt.title('Distribution of Age')

plt.xlabel('Age')

plt.ylabel('Frequency')

plt.show()

# Scatter plot

plt.figure(figsize=(8, 6))

sns.scatterplot(x='Age', y='Fare', data=data, hue='Sex', palette='muted')

plt.title('Scatter Plot of Age vs Fare')

plt.xlabel('Age')

plt.ylabel('Fare')

plt.legend(title='Sex')

plt.show()

# Box plot

plt.figure(figsize=(8, 6))

sns.boxplot(x='Pclass', y='Fare', data=data)

plt.title('Box Plot of Fare by Passenger Class')

plt.xlabel('Passenger Class')

plt.ylabel('Fare')

plt.show()

# Pairplot

sns.pairplot(data[['Age', 'Fare', 'Pclass', 'Survived']], hue='Survived')

plt.suptitle('Pairplot of Age, Fare, Pclass, and Survival Status', y=1.02)

plt.show()