Practical no.09

Title of the Assignment: Data Visualization II

1. Use the inbuilt dataset 'titanic' as used in the above problem.

Plot a box plot for

distribution of age with respect to each gender along with the information about whether they

survived or not. (Column names : 'sex' and 'age')

1. Write observations on the inference from the above statistics.

import seaborn as sns import matplotlib.pyplot as plt

titanic\_df = sns.load\_dataset('titanic') titanic\_df.head()

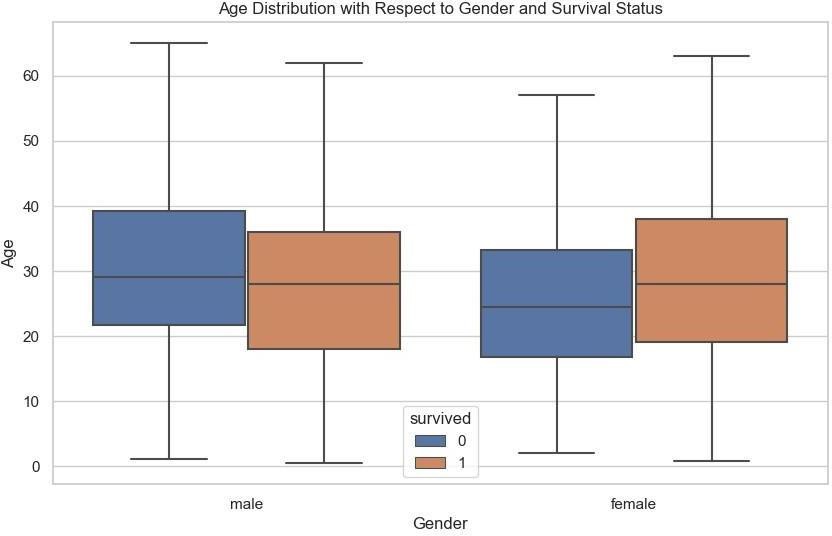
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sns.set(style="whitegrid") plt.figure(figsize=(10, 6))

sns.boxplot(x='sex', y='age', hue='survived', data=titanic\_df, showfliers=False)

plt.title('Age Distribution with Respect to Gender and Survival Status')

plt.xlabel('Gender') plt.ylabel('Age') plt.show()



Name: Vaishnavi Jagtap

Roll no: 13208

Batch: B1