

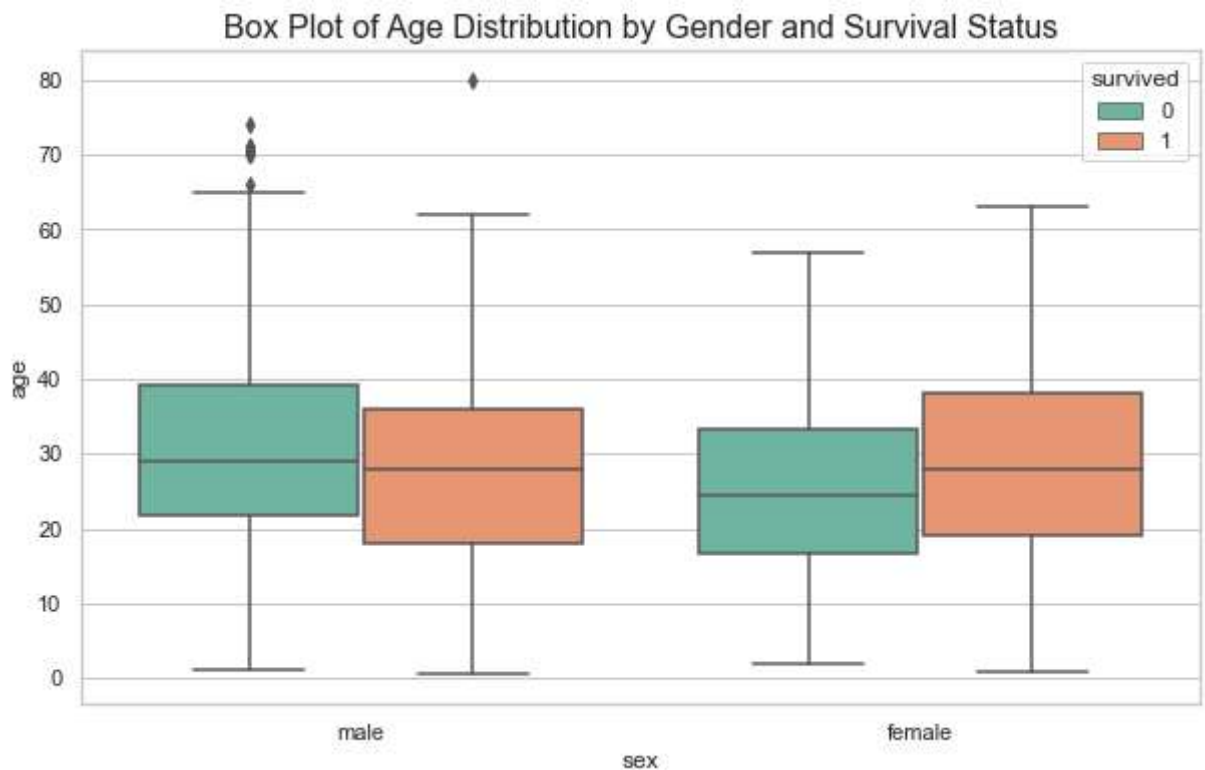
In []: Practical no.:9

Title of the Assignment: Data Visualization II

1. Use the inbuilt dataset 'titanic' as used in the above problem. Plot a box plot distribution of age with respect to each gender along with the information about survived or not. (Column names : 'sex' and 'age')
2. Write observations on the inference from the above statistics.

In [1]:

```
import seaborn as sns
import matplotlib.pyplot as plt
titanic = sns.load_dataset('titanic')
sns.set(style="whitegrid")
plt.figure(figsize=(10, 6))
sns.boxplot(x='sex', y='age', hue='survived', data=titanic, palette='Set2')
plt.title('Box Plot of Age Distribution by Gender and Survival Status', fontsize=14)
plt.show()
```



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