practical-09

March 8, 2025

[1]:
```
import matplotlib.pyplot as plt
import seaborn as sns
import pandas as pd
```

[2]:
```
# Load the 'titanic' dataset
titanic_df = sns.load_dataset('titanic')
```

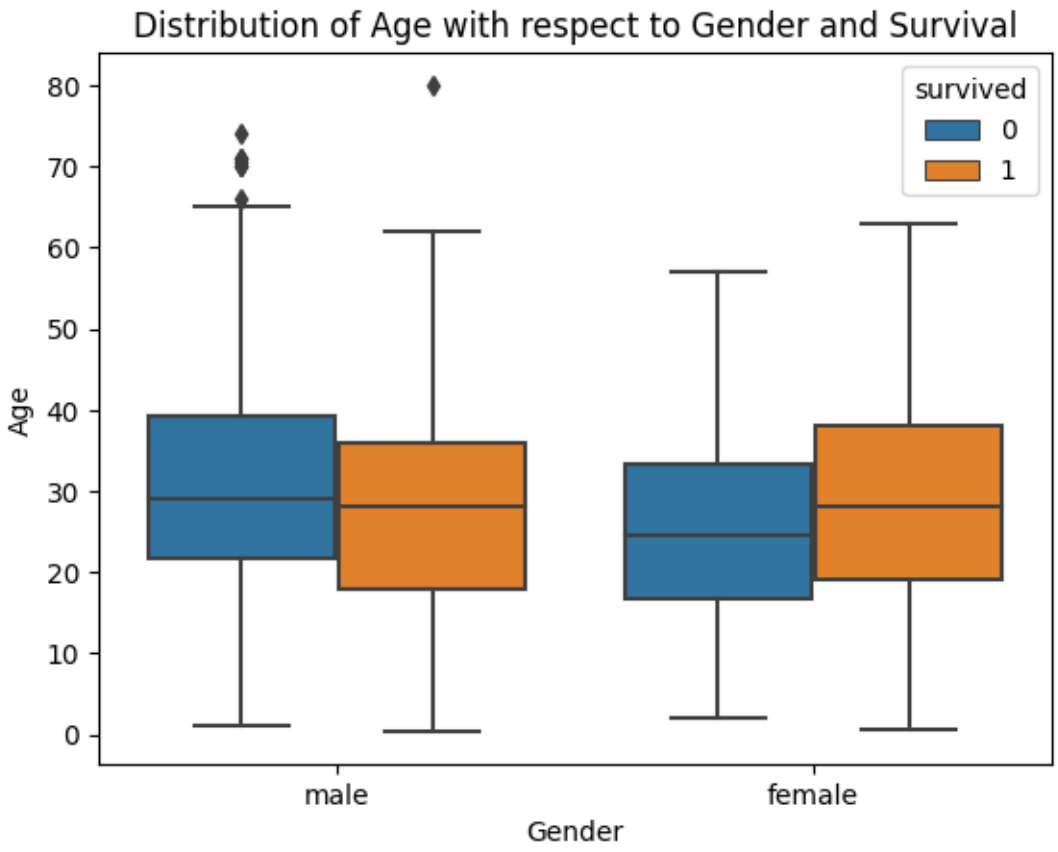
[3]:
```
# Filter out the necessary columns
data = titanic_df[['sex', 'age', 'survived']]
```

[4]:
```
# Remove rows with missing age values
data = data.dropna(subset=['age'])
```

[7]:
```
# Create a box plot using seaborn
sns.boxplot(x='sex', y='age', hue='survived', data=data)

# Set the plot title and labels
plt.title('Distribution of Age with respect to Gender and Survival')
plt.xlabel('Gender')
plt.ylabel('Age')

# Show the plot
plt.show()
```


Distribution of Age with respect to Gender and Survival
survived
0
1
Age
80
70
60
50
40
30
20
10
0
male
female
Gender

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