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

```python
[2]: # Load the 'titanic' dataset
     titanic_df = sns.load_dataset('titanic')
```
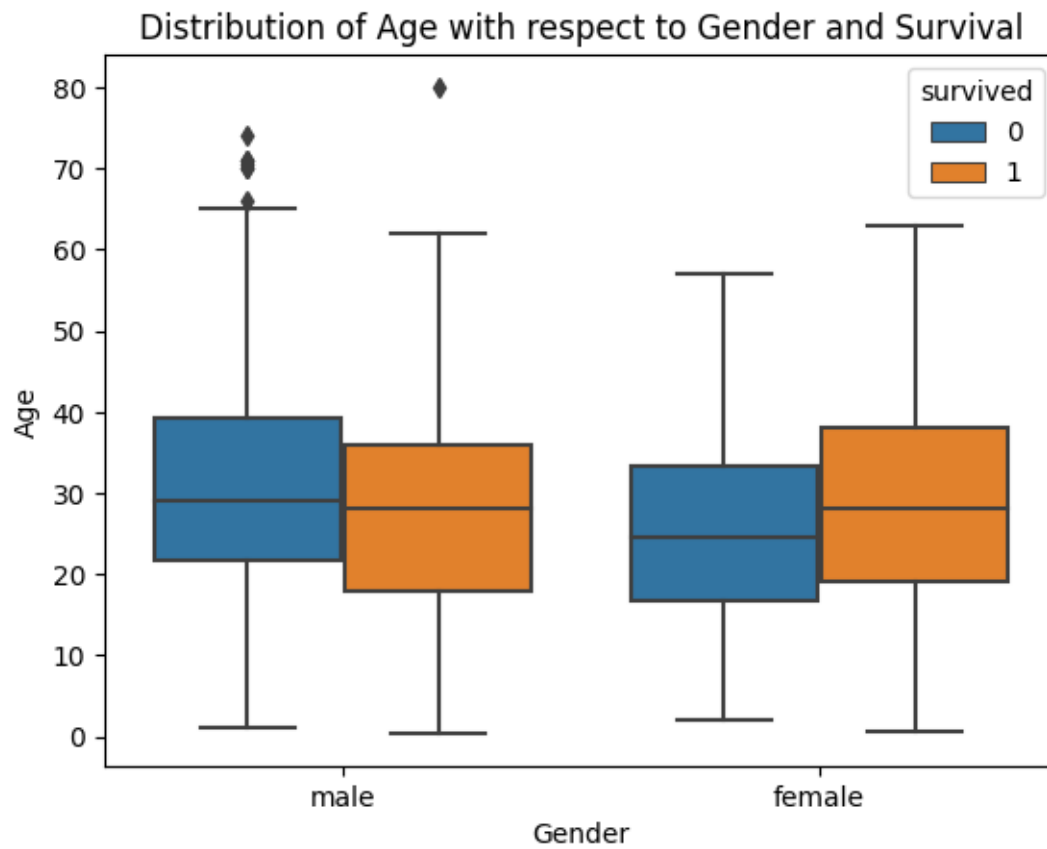
```python
[3]: # Filter out the necessary columns
     data = titanic_df[['sex', 'age', 'survived']]
```

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

```python
[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

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