

Title:-

data visualization II

1. Use the inbuilt dataset 'titanic' as used in the above problem. Plot a box for distribution of age with respect to each other gender along with the information about whether they survived or not.
2. write observations on the inference from the statistics.

Objective of the assignment:-

Students should be able to perform the data visualization operation using python on any open source dataset.

Prerequisite:-

- 1) Basic of python programming.
- 2) seaborn library, concept of data visualization

Theory:-

1) seaborn:-

- seaborn is a python data visualization library that is based on matplotlib & closely integrated with numpy & pandas data structures
- The seaborn data graphics can include bar chart, pie charts, histogram, scatterplot, error charts etc.

The box plot:-

It is used to display the distribution of the categorical data in the form of quartiles. The centre of box shows the median value. The value from lower whisker to the bottom of box shows first quartile from bottom of box to the middle of box to the top of box lies third quartile. & finally from top of box.

conclusion:-

Thus we studied the seaborn library & box plot with the concept of data visualization.