1. Perform the following operations using Python on the Facebook metrics data sets

c. Sort Data

d. Transposing Data

e. Shape and reshape Data

1. Perform the following operations using Python on the Facebook metrics data sets

a. Create data subsets

b. Merge Data

c. Sort Data

1. Perform the following operations using Python on the Air quality and Heart Diseases data

sets

c. Data transformation

d. Error correcting

e. Data model building

1. Perform the following operations using Python on the Air quality and Heart Diseases data

sets

a. Data cleaning

b. Data integration

c. Data transformation

1. Integrate Python and Hadoop and perform the following operations on forest fire dataset

a. Data analysis using the Map Reduce in PyHadoop

1. Visualize the data using Python libraries matplotlib, seaborn by plotting the graphs for Facebook metrics data sets.
2. Visualize the data using Python libraries matplotlib, seaborn by plotting the graphs for Air quality and Heart Diseases data sets.
3. Perform the following data visualization operations using Tableau on Adult and Iris datasets.

d. Temporal Data Visualization

e. Multidimensional Data Visualization

f. Tree/ Hierarchical Data visualization

g. Network Data visualization

1. Perform the following data visualization operations using Tableau on Adult and Iris datasets.

a. 1D (Linear) Data visualization

b. 2D (Planar) Data Visualization

c. 3D (Volumetric) Data Visualization

d. Temporal Data Visualization