ASSIGNMENT-9

AIM: Perform different data visualisations operations using Tableau.

THEORY:

Data visualisation involves creation & study of visual representation of data.

It refers to techniques used to communicate data or information by encoding it.

1. 1D / Linear:
ex: List of data items, organised by a single feauture.

2. 2D / Planar:
ex: chloropath
It is a geospatial graph.

3. 3D / Volumetric:
- 3D modelling is process of developing a mathematic model of any surface or model.

- Surface & volume rendering:
Rendering is a process of generating image from a model.

Volume rendering is a process to display 2D projection of 3D

- Computer Simulation:
Computer program that attempts to simulate an abstract model of a particular system.

- Temporal :
ex: Time series

- Multidimensional
ex: Histograms, pie chart.

A. TABLEAU FEATURES :
i. Speed of analytics.

ii. Self reliant

iii. Visual discovery

iv. Blend diverse datasets

v. Architecture Agnostic

vi. Real Time Collaboration.

CONCLUSION:
In this assignment, we learnt visualisation of data in Tableau on Iris dataset.