PROJECT WORK

Objective: The objective of this project is to understand the agricultural data.

The description of the dataset is mentioned below.

Use the default data set (excel file) available.

Problem statements:

Based on the excel file provided, we are going to analyze and develop a dashboard to understand the area, yield and production from the data. Use filters, parameters and actions wherever possible to make the dashboard interactive.

- An interactive tree map to display district wise data. Tree map should have state labels. On hovering on a particular state, the corresponding districts data are to be displayed.
- An asymmetric drill down to display the list of crops under each category.
- Add URL actions, which dire**ct users' to a** Google search page of the selected crop. Web page is to be displayed the final dashboard.
- A packed bubble chart to display the list of crops cultivated throughout the year.
- Under the season Kharif, display the top 2 crop categories. Hint : Use context filters
- Create a hierarchy of seasons, crop categories and the list of crop under each. Add highlighters for season.
- One major sheet in the final dashboard should be unaffected by any action applied. Use the view in this major sheet to filter data in the other.
- Using parameters color code the seasons with high yield and low yield based on its crop categories.
- Season wise crop category production pie charts for districts cultivating throughout the year.
- Rank the crops based on their yield.
- Create a chart to display crops with respect to their yield measuring units.

Lab environment: Use Tableau desktop installed in your system.

Domain: Agriculture

Hint for doing the project:

Interactive sample dashboard to understand the data. Multiple features, various charts suitable to the respective problem statements are to be used at points where chart type is not specified.