

Data Visualization and Formatting in Tableau

Project Description:

To develop health care dashboard and formatting the report as per client requirements. The data is available in data warehouse. Connect to the database, making complex SQL script to extract the data, combine the data sets, and change data types if necessary, also integrate the data, create hierarchies before creating visualization. Explore the data, create interactive visualizations for client business needs and requirements

Technologies Used:

MySQL, Tableau

Requirements:

Data source connections

- Connecting to Database
- Data Integration
- Hierarchies (relational)
- Aggregated Extracts
- Incremental Extracts

Visual Analysis

- Views & Dashboards
- Actions & Filters
- Mapping

Calculations

- Cube Calculations
- Hide Columns
- Creating Parameters
- Using Parameters
- Table Calculations (**Using Tableau Functions**)
- Totals

Formatting

- Annotations
- Formatting
- Layout Containers
- Mark Labels
- Marks Card Changes
- Rich Text Formatting
- Shared Encoding
- Tiled and Floating Dashboards

Challenges Faced:

Creating dashboards with multiple actions controls like drill down and up, multiple dashboard control with single filter action. Making a Multi-Master Dashboard. Have added sales person as global filter for all dashboards. Action controls of each dashboard with drill down option. Need to add the action filters in each sheet with on click option in each dashboard for more interaction.

Create calculated fields from a multidimensional data source. Include values in calculations and totals without showing them in the view. Create dynamic variables to use in calculated fields. Use parameters in TopN filters and reference lines

Formatting the dashboard with accurate font size, colours alignment, shading, borders, and lines. All dashboard title and content font size must be same. Format fonts,

Solutions:

We provide more scalable and time-consuming solutions to overcome the challenges what we have faced. Client drive decisions using data with visualization. Combine multiple views into interactive dashboards for effective analysis. Highlight and filter data to show relationships with our tableau dashboards. Create the dashboard with more interactive and user friendly. All dashboards are unique in formats like title fonts, colours, label alignments. Interactive filter actions to get exact results what client needs for their business analysis. Arranged dashboard objects as tiled (in a grid) or floating (layered) for more attraction.