PG - DBDA AUG 2024
C-DAC MUMBAI
Timing: 9 AM TO 10 AM

Objective

The goal is to create a dynamic and interactive dashboard that provides insights into the impact of food-related activities across different regions in India. The dashboard should enable decision-makers to identify trends, analyze top-performing categories, and assess geographic and temporal patterns effectively.

Key Business Questions

1. **Total Overview**: What is the overall scale of the dataset (e.g., number of records, total values for key metrics)?
2. **Top Performers**: Which food items/categories/regions contribute the most to a specific metric (e.g., sales, impact value)?
3. **Temporal Trends**: How do key metrics (e.g., production or impact) vary over time?
4. **Geographic Insights**: How do the key metrics distribute across regions in India?
5. **Dynamic Analysis**: How can filters (e.g., by year, region, or category) refine the analysis and provide actionable insights?

Features Required in the Dashboard

1. **Data Aggregation**: Summarize the total values for key metrics like production, impact, or sales.
2. **Top-N Analysis**: Identify the top 5 or 10 contributors to the metrics, displayed through bar or column charts.
3. **Trend Analysis**: Plot trends for metrics over time to identify patterns and seasonality.
4. **Geographic Visualization**: Use a map visual to display data based on regions or states in India, with tooltips for details.
5. **Interactive Elements**:
    - Slicers for filtering by year, category, or region.
    - Dynamic visuals that respond to slicer selections.
    - A KPI or card to highlight key metrics (e.g., YoY change, totals).
