

Power BI Project Idea: Store Sales Dataset Analysis

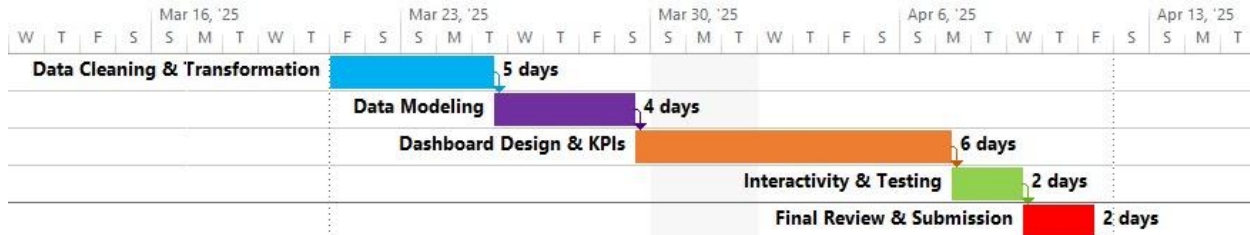
1. Project Planning & Management

- **Project Proposal:**
 - **Objective:** Build an interactive Power BI dashboard to analyze store sales performance, identify trends, and improve decision-making.
 - **Scope:**
 - Region-wise sales performance.
 - Product category sales trends.
 - Time-based sales analysis (monthly, quarterly, yearly).
 - Ship mode analysis
 - Customer Type analysis
- **Project Plan:**
 - **Timeline:** Phase Duration maintains editable

Phase	Duration	Key Tasks
Data Cleaning & Transformation	2-5 days	Cleaning, handling missing values, ensuring consistency
Data Modeling	3-4 days	Defining relationships, calculations
Dashboard Design	5-6 days	Designing visual layout, defining KPIs
Interactivity & Testing	2 days	Adding slicers, drill-throughs, tooltips
Final Review & Submission	2 days	Reviewing, documentation, presentation

- **Milestones**
 - **Milestone 1:** Data Preparation Complete
 - **Milestone 2:** Dashboard Design Draft Complete
 - **Milestone 3:** Interactivity Features Implemented
 - **Milestone 4:** Final Dashboard Review and Submission
- **Resources:** Power BI, SQL (if needed for data cleaning), Excel, or a database like SQL Server.
- **Task Assignment & Roles:**
 - Data Cleaning & Transformation: **Kholoud Gamal,Ahmed Mostafa**

- Data Modeling: **Radwa Ramda, Mohamed Mostafa**
- Dashboard Design & KPIs: **Malak Fathy, Fatma Alzahraa Mohamed**
- Interactivity & Testing : Shared responsibility
- Report Writing & Presentation :Shared responsibility



ganttt chart showing required tasks & their duration

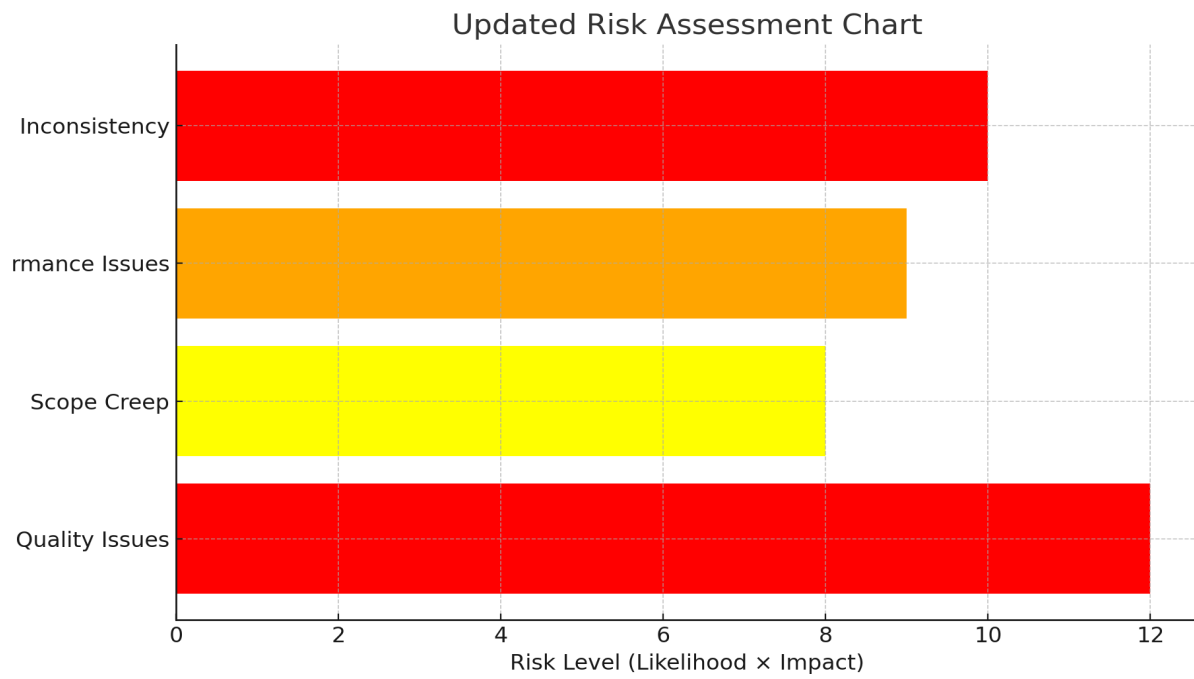
Primary Dataset Structure (Orders.csv)

Column Name	Description
Row ID	Unique identifier for each order entry
Order ID	Unique order identifier
Order Date	Date when the order was placed
Ship Date	Date when the order was shipped
Ship Mode	Shipping method chosen for the order
Customer ID	Unique identifier for each customer
Customer Name	Full name of the customer
Segment	Customer category (e.g., Consumer, Corporate)
Country	Country where the order was placed
City	City where the order was placed

State	State/Province of the order location
Postal Code	Postal code of the customer location
Region	Geographic region (e.g., East, West)
Product ID	Unique identifier for each product
Category	Product category (e.g., Office Supplies, Furniture)
Sub-Category	More specific product classification
Product Name	Name of the product
Sales	Revenue generated from the order

- **Risk Assessment & Mitigation Plan:**

Risk	Impact Level (1-10)	Solution
Data Inconsistency	10	Implement data validation techniques.
Performance Issues	9	Use efficient DAX queries and optimize the data model.
Scope Creep	8	Clearly define project scope and requirements.
Data Quality Issues	12	Ensure strict data cleaning and validation processes.



- **KPIs:**
 - Total Sales, Customer Retention Rate, Order Quantity Trends, Top-Selling Products, Top-Selling Locations ,Count of Orders.