Store Sales Dataset Analysis

Project Plan:

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Timeline:

Task Name	Start Date	End Date	Duration (Days)
Project Kickoff	21/3/2025	31/3/2025	10
Data Cleaning and Preparation	1/4/2025	11/4/2025	10
Data Analysis	12/4/2025	22/4/2025	10
Report Drafting	23/4/2025	30/4/2025	7
Final Review	1/5/2025	9/5/2025	8

Milestones:

Milestone	Description	Timeline	Outcome
Data Collection	Gather all required data files from relevant sources.	21/3/2025	Data files are consolidated in one location for review.
Initial Data Review	Conduct an overview of the dataset to identify missing values, duplicates, or inconsistencies.	24/3/2025	Preliminary list of issues documented.
Handling Missing Data	Decide on a strategy (e.g., imputation, removal) and apply it to the dataset.	27/3/2025	Missing values replaced or removed.
Identifying and Handling Outliers	Detect and decide on strategies for addressing outliers.	31/3/2025	Outliers reviewed and handled appropriately.
Data Understanding	Conduct an initial review of the dataset to understand its structure, variables, and patterns.	1/4/2025	A clear understanding of the dataset's content and potential insights.
Exploratory Data Analysis (EDA)	Perform EDA to uncover trends, correlations, and patterns using statistical techniques and visualizations.	4/4/2025	Identified key insights and relationships within the data.
KPI Calculation	Define and calculate KPIs relevant to the project goals	12/4/2025	Key performance indicators available for evaluation.
Trend Analysis	Analyze data across time periods (e.g., daily, monthly, yearly) to detect trends or seasonal patterns.	20/4/2025	Trends and patterns documented for actionable insights.
Data Visualization	Create interactive dashboards and charts to present findings.	30/4/2025	Clear and visually appealing presentations of data insights.
Insights and Recommendations	Compile findings into actionable insights and recommendations for stakeholders.	5/5/2025	A final report or presentation ready for delivery.

Project time line