Data Analytics Project Summary

This document summarizes the complete data analytics workflow you performed across Python, SQL, and Power BI. 1. Python (Data Cleaning & Preprocessing) - Loaded raw dataset and handled missing values. - Performed exploratory data analysis. - Generated visualizations for identifying trends and patterns. 2. SQL (Data Storage & Querying) - Created database tables and inserted cleaned data. - Executed essential SQL queries including SELECT, GROUP BY, JOIN, ORDER BY, and aggregations. - Extracted insights for category-wise, month-wise, and customer-wise performance. 3. Power BI (Dashboard & Visualization) - Built an interactive Retail Sales Performance Dashboard. - Visuals used: • Total Sales Card • Total Quantity Card • Total Transactions Card • Average Order Value Card • Sales by Year-Month (Line & Bar) • Quantity by Month Name • Sales by Category • Sales by Age Group • Gender Distribution - Added filters and slicers for dynamic interaction. This PDF includes the final dashboard preview for documentation and portfolio use.

Final Power BI Dashboard Preview