

DA Assignment - 3 (Updated with New Diagrams)

The increasing trend of online grocery shopping has changed the retail landscape. This dataset includes historical sales data from an online grocery store recorded over a three-month period.

Attribute Information

- Order ID: Unique identifier for each order
- Customer ID: Unique identifier for each customer
- Customer Type: Classification of customers (Regular, Premium)
- Gender: Customer's gender
- Product Category: Grocery product categories (Dairy, Beverages, Bakery, Meat, Frozen, Snacks)
- Product Sub-Category: Specific items within each category
- Unit Price: Price per unit of product
- Quantity: Number of units purchased
- Discount: Discount applied to the order
- Tax Amount: 7% tax applied before discount
- Total Amount: Final amount after tax and discount
- Order Date: Date of order placement (April 2021 - June 2021)
- Order Time: Order placement time (24-hour format)
- Payment Method: Payment type used (Credit Card, Debit Card, UPI, Wallet, Net Banking)
- Profit Margin: Profit percentage per order
- Revenue: Total revenue from the order
- Customer Rating: Customer feedback rating (scale of 1 to 10)

Task

Upload the dataset and remove unnecessary columns if needed.

Create the following visualizations using Power BI:

- Pie Chart: Display the distribution of different payment methods.

- Stacked Bar Chart: Show revenue by product category and sub-category.
- Line Chart: Illustrate sales trends over time.
- Simple Table Chart: Present key sales metrics like total revenue and total orders.

Updated Power BI Visualizations (Side-by-Side Layout)

The following updated charts are arranged side by side for better comparison.

