

Overview of an RMG Dataset

An RMG (Ready Made Garment) Dataset typically consists of data related to the operations, management, and performance of a garment manufacturing or retailing company. This dataset includes Order sheet, Shipment sheet, Stock sheet.

- 1. Order Sheet:** This sheet tracks customer orders, Customer Name, detailing product specifications, quantities, and Order Date.
- 2. Shipment sheet:** This Shipment sheet tracks This sheet logs the details of shipments related to customer orders, detailing product specifications, lot numbers, quantities, and Shipment Date.
- 3. Stock Sheet:** This sheet manages inventory, stock date tracking garment availability and stock movements.

Problem Statement

The Ready-Made Garment (RMG) industry operates in a highly competitive and dynamic environment, where maintaining profitability and meeting customer demands are critical challenges. The dataset, which includes Order Sheet, Shipment Sheet, and Stock Sheet, reveals several key areas of concern:

- Fluctuating Customer Orders
- Inventory and Stock Management
- Order Fulfillment and Shipment Delays
- Dependency on Few Customers
- Global Competition and Market Challenges

Key Performance Indicators (KPIs)

Total Customers 20	Unique Item 66	Total Orders 100
Dynamic Shipped QTY 1180015	Dynamic Stock QTY 474763	Dynamic Order QTY 1223115

Pivot Chart Analysis

SWOT Analysis (Order Sheet, Shipment Sheet, Stock Sheet)
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Strengths

Exports continue to be the dominant market for the RMG sector. For all customers, most orders are in the **Export category**, suggesting a stronger focus on international markets (**Export Dominates**). A.J. Super Garments Ltd. (21 Export orders) and Nassa Basics Ltd. (8 Export orders) are leading in export-oriented sales.

Weaknesses

Inconsistent quality or delays in deliveries can discourage customers from placing larger orders. Changes in customer demands, recession in key export markets, or reduced consumer spending could lead to fewer orders.

Opportunities

Introduce new designs, fabric technologies, and customizable solutions to attract more customers and increase order sizes (**Enhance Product Diversification**). Work closely with smaller clients to understand their needs, provide tailored solutions, and foster long-term partnerships (**Focus on Customer Relationships**).

Threats

product differentiation, customer focus, and operational efficiency, the industry can strengthen its market