**📦 Page 1: Stock Analysis & Inventory Levels**

**🎯 KPIs / Measures**

1. **Total Stock Quantity** = SUM(Stock\_Quantity)
2. **Total Products Below Reorder Point** = COUNTROWS(FILTER(Inventory, Stock\_Quantity < Reorder\_Point))
3. **Minimum Order Quantity for Restocking** = SUMX(FILTER(Inventory, Stock\_Quantity < Reorder\_Point), Min\_Order\_Quantity)
4. **Products with Low Stock Level** = COUNTROWS(FILTER(Inventory, Stock\_Level = "Low"))

**📊 Charts & Visuals**

* **Bar Chart (ZoomCharts Drill Down Column)**: Stock Quantity by Category ➝ drill down into Product\_Name
* **Card KPIs**:
  + Total Products
  + Products below Reorder Point
  + Total Stock Quantity
* **Matrix or Table**:
  + Product\_Name, Stock\_Quantity, Reorder\_Point, Status (use conditional formatting to highlight low stock)
* **Pie Chart**: Distribution of Stock Levels (Low, Medium, High)
* **Gauge Chart**: % of Products Above Reorder Point

**🚚 Page 2: Supplier & Restocking Performance**

**🎯 KPIs / Measures**

1. **Average Lead Time** = AVERAGE(Lead\_Time\_Days)
2. **Avg. Lead Time per Supplier** = CALCULATE(AVERAGE(Lead\_Time\_Days), ALLEXCEPT(Supplier\_ID))
3. **Avg. Time Since Last Restock** = AVERAGEX(FILTER(Inventory, Status = "Out of Stock"), DATEDIFF(Last\_Restock\_Date, TODAY(), DAY))
4. **Restocks per Month** = COUNTROWS(GROUPBY(Inventory, MONTH(Last\_Restock\_Date)))

**📊 Charts & Visuals**

* **Bar Chart (ZoomCharts Drill Down)**: Lead Time by Supplier ➝ drill down to Product
* **Line Chart**: Number of Products Restocked by Month
* **Card KPIs**:
  + Average Lead Time
  + Avg. Days Since Last Restock (Out of Stock)
* **Heatmap or Column Chart**: Product Count by Supplier vs. Lead Time
* **Table**: Supplier\_ID, Product\_Name, Lead\_Time\_Days, Last\_Restock\_Date

**🏢 Page 3: Warehouse & Geographic Insights**

**🎯 KPIs / Measures**

1. **Total Warehouses** = DISTINCTCOUNT(Warehouse\_Location)
2. **Products per Warehouse** = COUNTROWS(GROUPBY(Inventory, Warehouse\_Location))
3. **Stock by Country** = SUMX(FILTER(Inventory, Country <> BLANK()), Stock\_Quantity)
4. **Top 3 Countries by Stock** = Top N Country by SUM(Stock\_Quantity)

**📊 Charts & Visuals**

* **Map Visual (with Latitude/Longitude)**: Bubble size = Stock\_Quantity
* **Bar Chart**: Products Stored by Warehouse\_Location
* **Donut Chart**: Product Count by Country
* **Stacked Bar Chart**: Stock Quantity by Country ➝ Drill down by Category
* **Matrix**: Country, Category, Stock\_Quantity (highlight top 3)

**💰 Page 4: Cost and Pricing Analysis**

**🎯 KPIs / Measures**

1. **Average Unit Price** = AVERAGE(Unit\_Price)
2. **Top 5 Expensive Products** = TOPN(5, Inventory, Unit\_Price, DESC)
3. **Inventory Value** = SUMX(Inventory, Unit\_Price \* Stock\_Quantity)
4. **Turnover Score (Example Metric)** = DIVIDE(Stock\_Quantity, Lead\_Time\_Days) *(use to find fast turnover products)*

**📊 Charts & Visuals**

* **Bar Chart**: Top 5 Most Expensive Products (Unit\_Price)
* **Table**: Product\_Name, Category, Unit\_Price, Stock\_Quantity, Inventory Value
* **Scatter Plot**: Stock\_Quantity vs. Unit\_Price (to find high-value, fast-moving items)
* **KPI Cards**:
  + Total Inventory Value
  + Average Unit Price
  + Fastest Turnover Category
* **Column Chart**: Turnover Score by Category (ZoomCharts – drill down into Product\_Name)