

Reports Related to Revenue and Sales

1. Key Performance Indicators to display Total Revenue (use SUM aggregation), Total Profit (SUM) KPI
2. What is the average revenue per product type by customer demographics?
3. How is revenue distributed across different product types?
4. Which products generate the highest revenue relative to their costs?

Reports Related to Sales and Quantities

1. Key Performance Indicators to display Total Units Sold (SUM)
2. How do quantities sold vary among different product types?
3. How do shipping times affect quantities sold for each product type?
4. What is the relationship between inspection results and quantities sold for each product type?

Reports Related to Suppliers and Supply Chain

1. How do lead times from suppliers affect defect rates in products?
2. What is the performance of each supplier based on defect rates and production volumes?
3. How does the location of supplier's impact shipping costs and delivery efficiency (lead time)?

Reports Related to Costs

1. Average Manufacturing Cost (AVG), Average Shipping Cost (AVG) (KPIs)
2. What is the relationship between manufacturing costs and revenue for each product type?
3. How are shipping costs distributed across different shipping companies?
4. What are the total costs (manufacturing + shipping + transportation) for each product type?

Reports Related to Quality

1. Average Defect Rate (AVG), Average Lead Time (AVG) (KPI)
2. How do inspection results correlate with sales performance for each product type?
3. How are defect rates distributed by suppliers?
4. What is the impact of inspection results on customer purchasing behavior?

Reports Related to Shipping Companies

1. What are the average shipping costs for each shipping company?
2. How does the choice of transportation mode affect shipping costs for each product type?

Reports Related to Different Routes

1. What are the most commonly used routes for each shipping company?
2. What is the cost comparison of shipping via different routes?
3. How do different routes impact shipping times for various product types?

Reports Related to Transportation Modes

1. **How do different transportation modes affect shipping costs for various product types?**
2. **What is the impact of transportation mode on delivery efficiency across different routes?**
3. **What are the most efficient transportation modes for shipping based on cost and delivery efficiency?**

Dashboard

To-Do Sheet for Final Dashboard

- **Header Fonts**
 - **Size:** 10 pt (for section titles)
- **Body Fonts:**
 - **Size:** 9 pt (for axis labels, descriptions)
- **Data Labels and tooltips:**
 - **Size:** 8 pt (for values on charts)

Number Formatting

- **Currency:** Use a currency format for financial metrics (e.g., \$1,000.00).
- **Percentages:** Use percentage format for defect rates and inspection results (e.g., 10%).
- **General Numbers:** For other metrics, keep it simple, e.g., use commas for thousands (e.g., 1,500) and no decimal places for whole numbers.

Ensure that:

- **Both dashboard properties are consistent.**
- **Test the interactivity of filters for Product Type, Supplier, Location, etc.**
- **Ensure that visualizations are clear, well-labeled, and consistent.**

Colors Pallet:

- **Background:** #242f1f
- **Text:** #E8D8C0
- **Primary Charts:** #A8BDA3
- **Highlights:** #FFC107
- **Secondary Accents:** #D68A2D, #FF4F20