

Supply Chain Management Dashboard

Total Costs

₹52.92K

Avg Defect %

2.28

Products Sold

4922

Avg Lead Times

15.96

Turnover Ratio

103.04

Stock Available

4840

Product type

All

Location

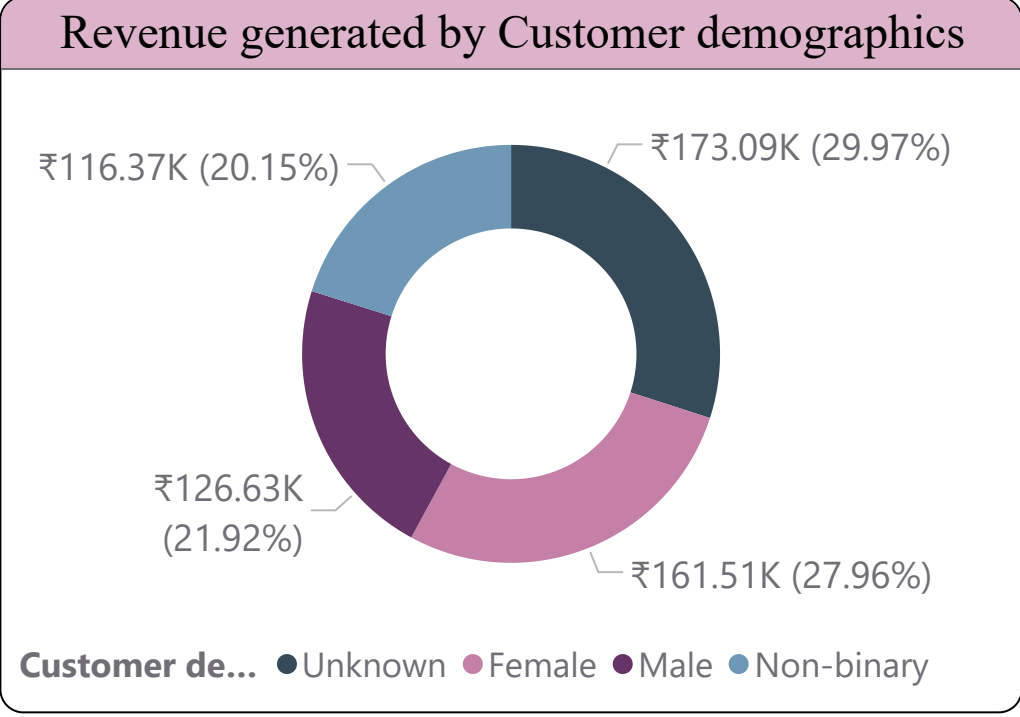
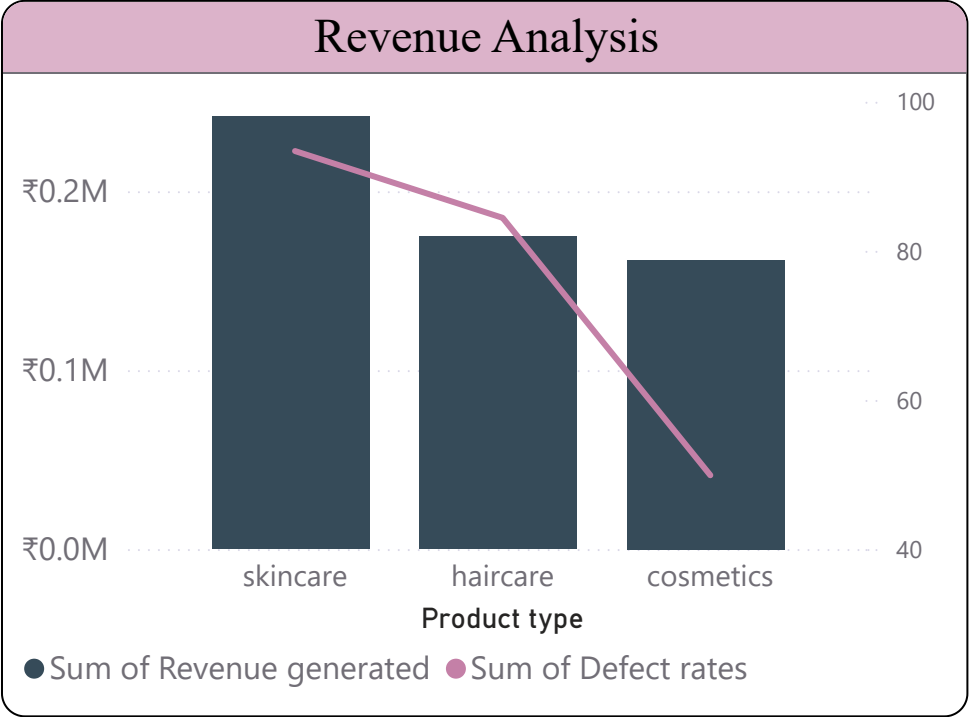
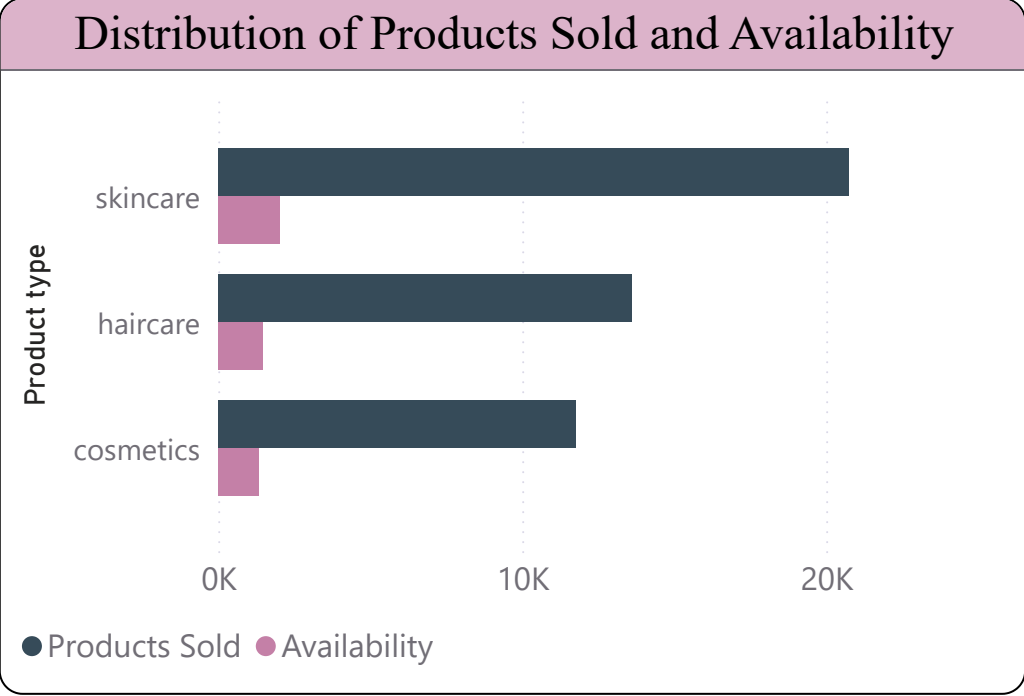
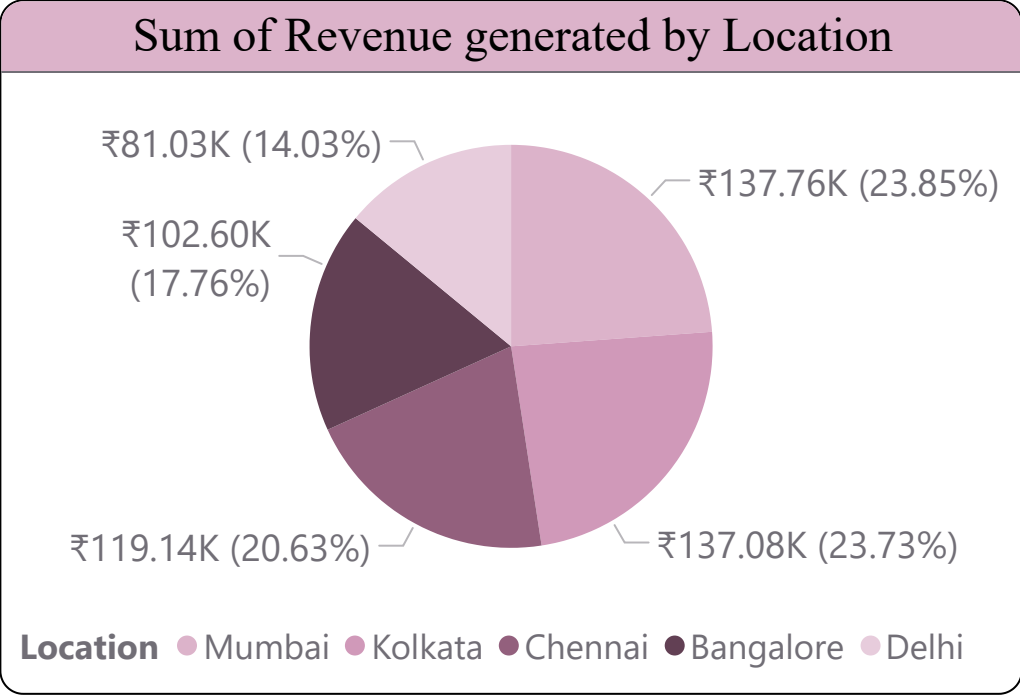
All

Gender

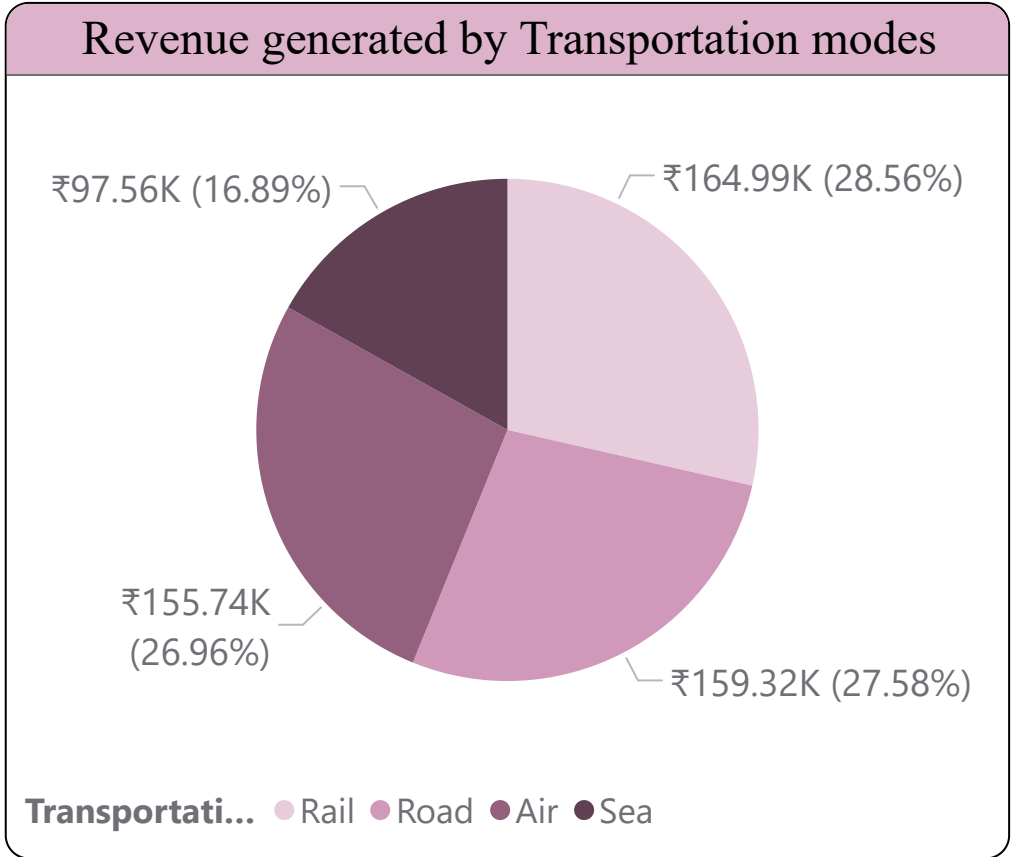
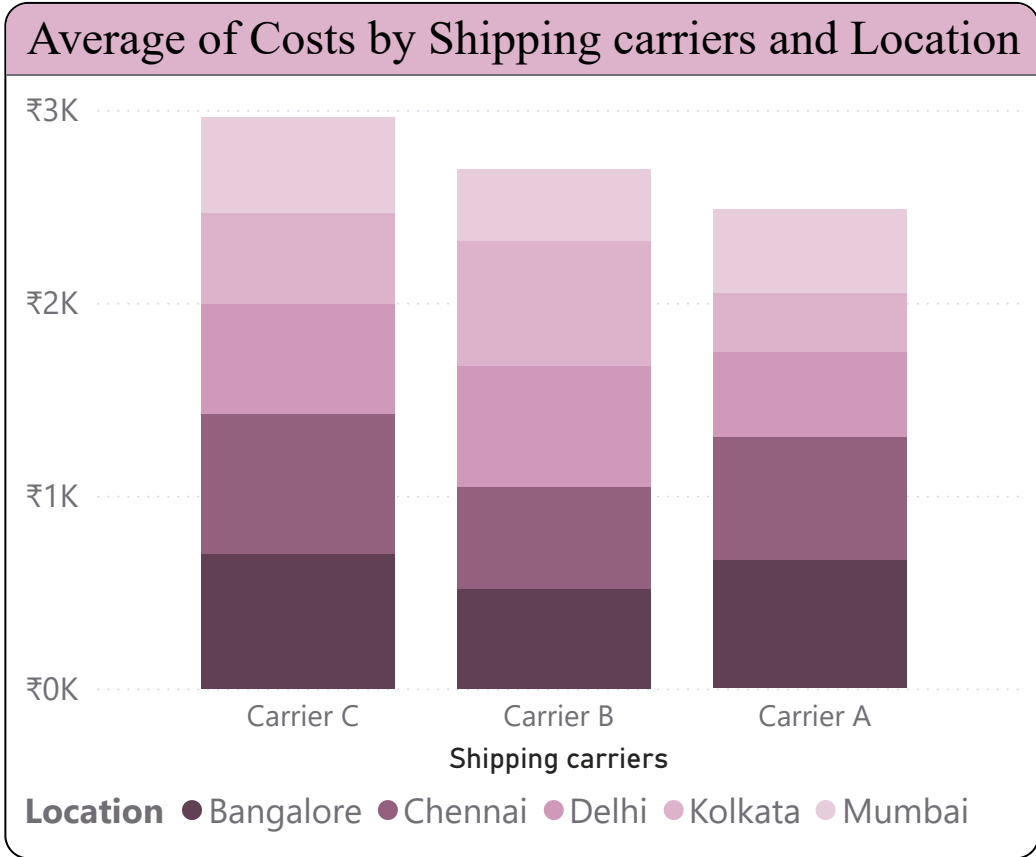
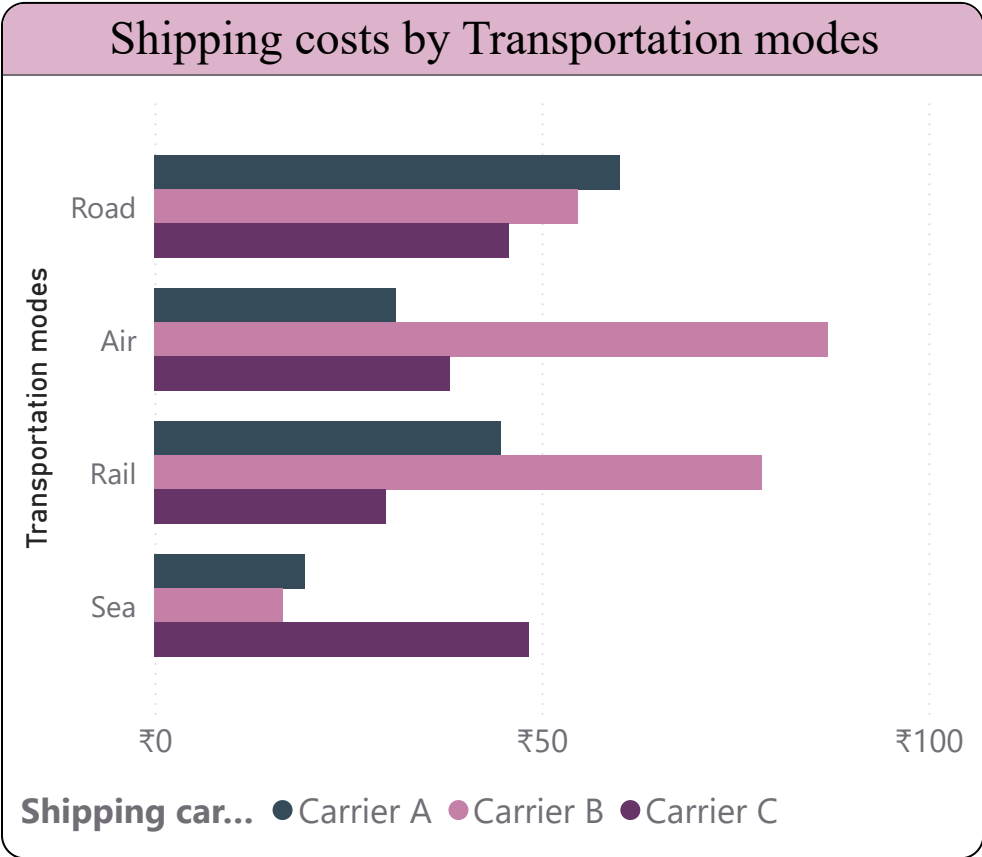
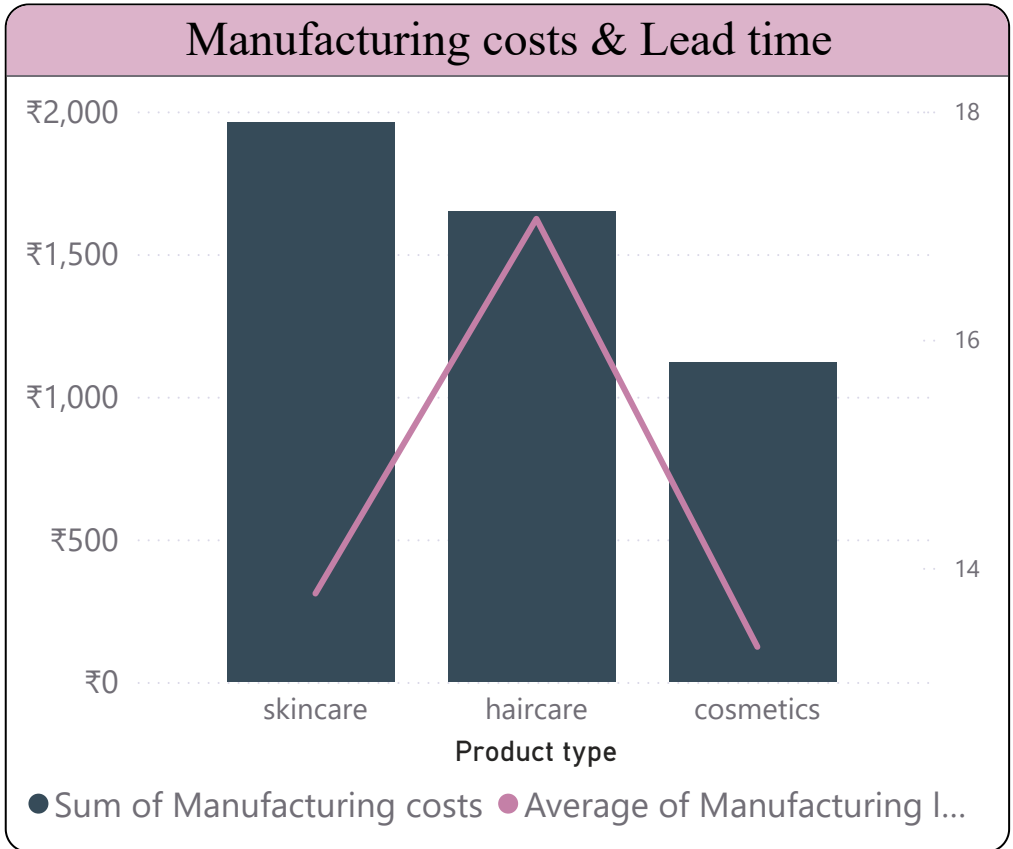
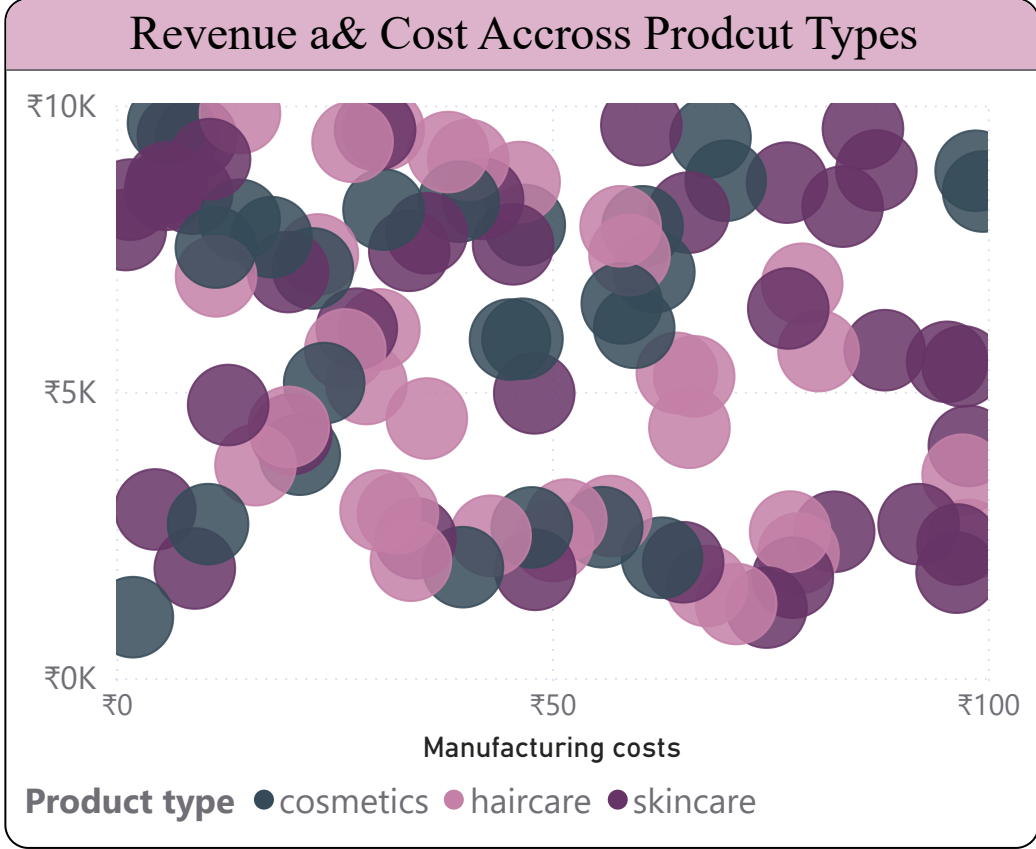
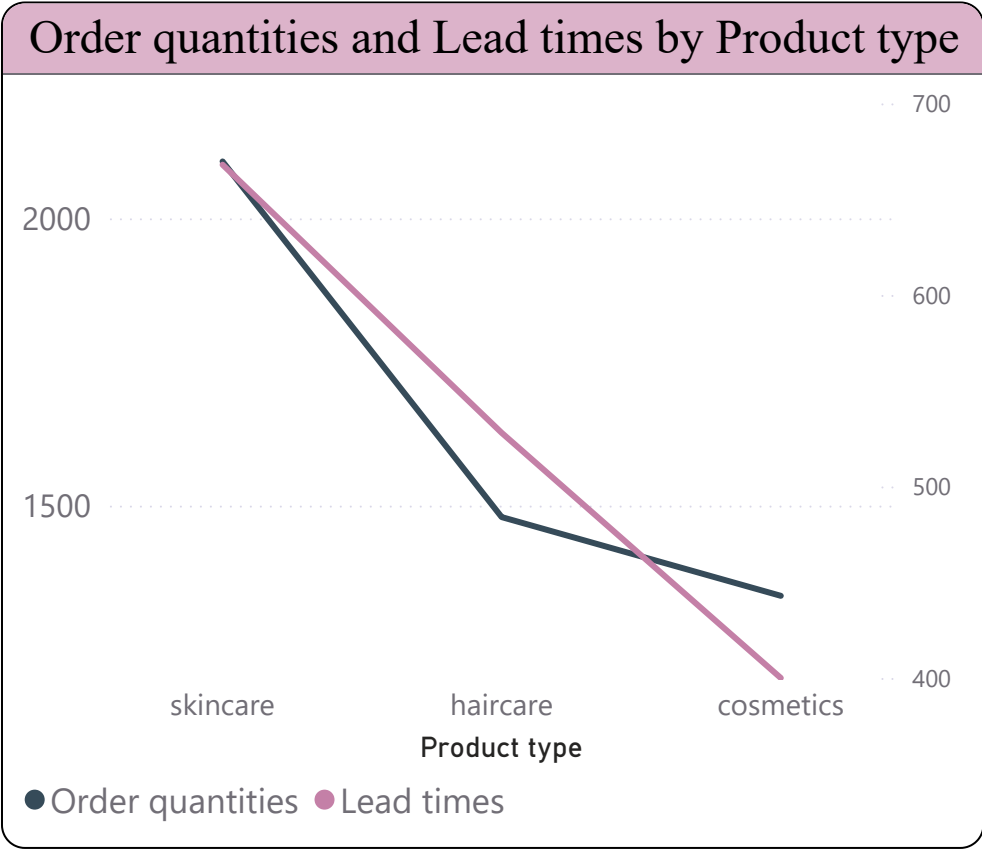
All

₹577.60K

Total Revenue



| SKU | Product type | Sales | Stock | Revenue generated |
|-------|--------------|-------|-------|-------------------|
| SKU1 | skincare | 37 | 53 | ₹7,460.90 |
| SKU10 | skincare | 80 | 51 | ₹2,330.97 |
| SKU11 | skincare | 60 | 46 | ₹6,099.94 |
| SKU13 | skincare | 48 | 80 | ₹4,052.74 |
| SKU14 | skincare | 78 | 54 | ₹8,653.57 |
| SKU15 | skincare | 69 | 9 | ₹5,442.09 |
| SKU16 | skincare | 78 | 2 | ₹6,453.80 |
| SKU19 | skincare | 94 | 48 | ₹2,553.50 |
| SKU20 | skincare | 68 | 27 | ₹8,128.03 |
| Total | cosmetics | 4922 | 4777 | ₹5,77,604.82 |



Summary of Findings from the Supply Chain Dashboard

1.Revenue Distribution:

- .Total revenue generated: ₹577.60K.
- .Highest revenue is from **skincare products**, followed by haircare and cosmetics.
- .Mumbai and Kolkata are the top-performing locations in terms of revenue.

2.Sales & Stock Levels:

- .A total of **4922 products** were sold.
- .**Stock available**: 4840 units, indicating a near balance but potential excess inventory.
- .**Turnover ratio**: 103.04, suggesting efficient stock movement.

3.Order & Lead Time Analysis:

- .**Avg Lead Time**: 15.96 days, indicating a moderate supply chain efficiency.
- .**Order quantities vary** across product types, with skincare having the highest volume.

4.Defect Rates & Supplier Performance:

- .**Avg Defect Rate**: 2.28%, which is reasonable but could be optimized further.
- .Some suppliers may be delivering products with higher defect rates, affecting quality.

5.Supply Chain Costs:

- .**Total Costs**: ₹52.92K.
- .Major expenses come from **manufacturing and shipping costs**.
- .Different transportation modes (Rail, Road, Air, Sea) have **varying cost efficiency**.

6.Shipping & Transportation Insights:

- .**Road and Rail** are the most used transportation modes.
- .**Carrier C** incurs the highest shipping costs.

Recommendations:

1. Optimize Inventory Management:

- . **Reduce excess stock** in some categories by aligning production with sales trends.
- . **Implement a Just-in-Time (JIT) inventory strategy** to minimize holding costs.

2. Improve Order Fulfillment Efficiency:

- . **Work on reducing the average lead time** by improving supplier coordination.
- . Consider using **faster transportation modes** for high-demand products.

3. Address Quality Control Issues:

- . **Identify suppliers with high defect rates** and implement **stricter quality checks**.
- . Strengthen supplier agreements to ensure better **manufacturing standards**.

4. Reduce Supply Chain Costs:

- . **Negotiate better shipping rates** with carriers, particularly **Carrier C**.
- . Evaluate **cost differences across transportation modes** and optimize shipping methods.

5. Enhance Demand Forecasting:

- . **Use past sales data to predict demand fluctuations** and avoid over/understocking.
- . Align inventory levels based on **seasonal trends and customer buying behavior**.

6. Diversify High-Cost Routes:

- . **Explore alternative shipping routes** and carriers for cost savings.
- . Improve logistics efficiency by analyzing **location-wise cost variations**.