



Supply Chain Analysis

Iyabo Sindiku

₹ 577.60K

Generated Revenue

₹ 5.55

Average Shipping Cost

3

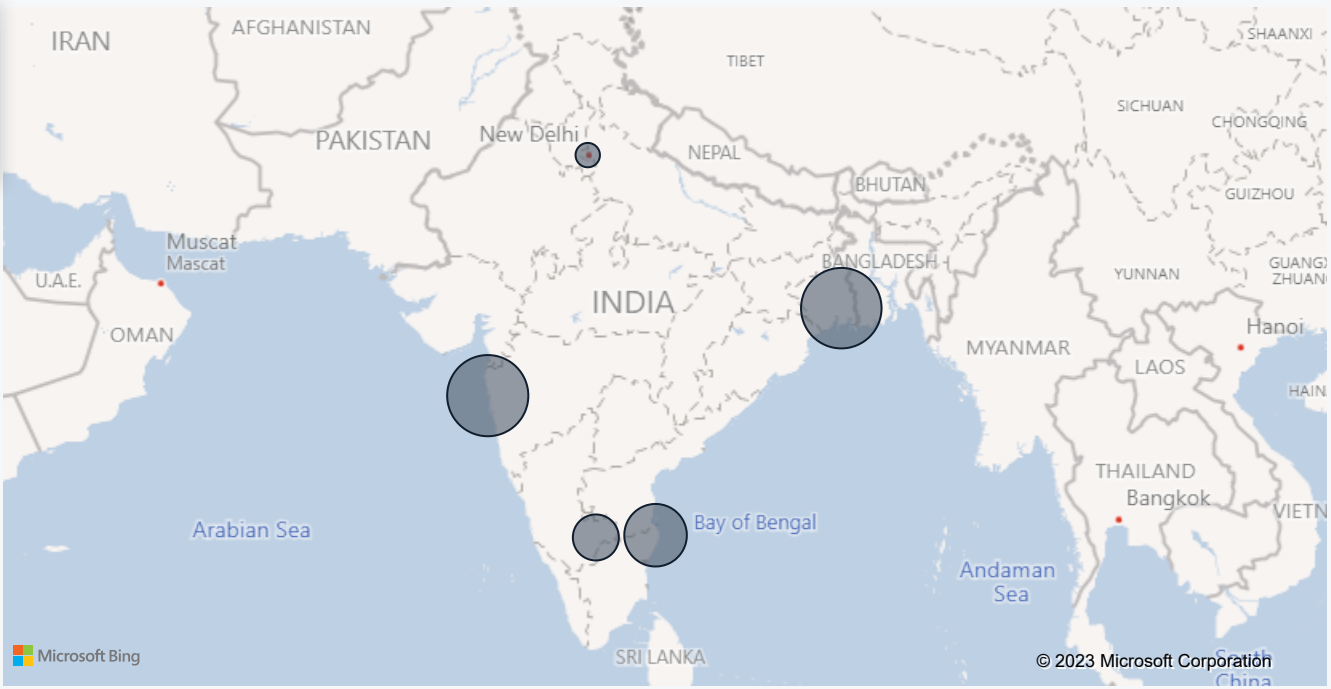
Product Type

4922

Order Quantities

46.1K

Sales



Overview

Revenue

Products

Shipping

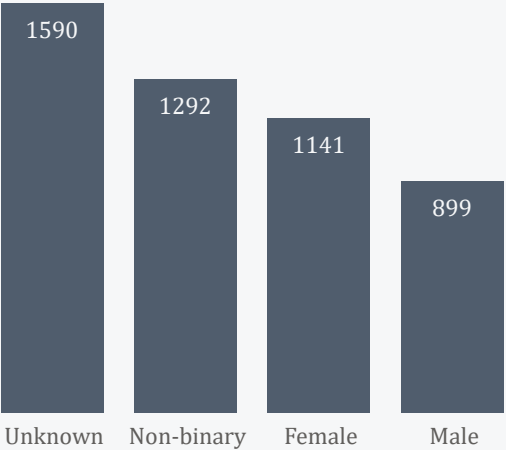
Defect Rate

SKU

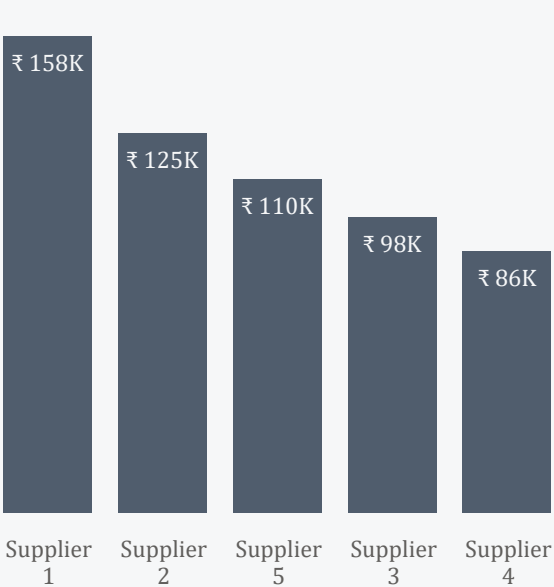
Supply chain analysis is the analysis of information that companies draw from a number of applications that is tied to their supply chain, such as execution systems for procurement, inventory, order and warehouse management and fulfillment, and transportation management (including shipping).

This report covers the analysis of the supply chain of an Indian personal care company.

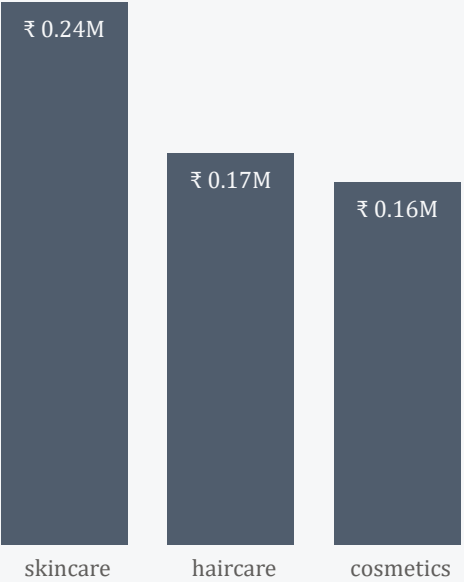
Order Quantity by Customer Demographic



Generated Revenue by Supplier



Generated Revenue by Product Type



Clear all
slicers



Overview

Revenue

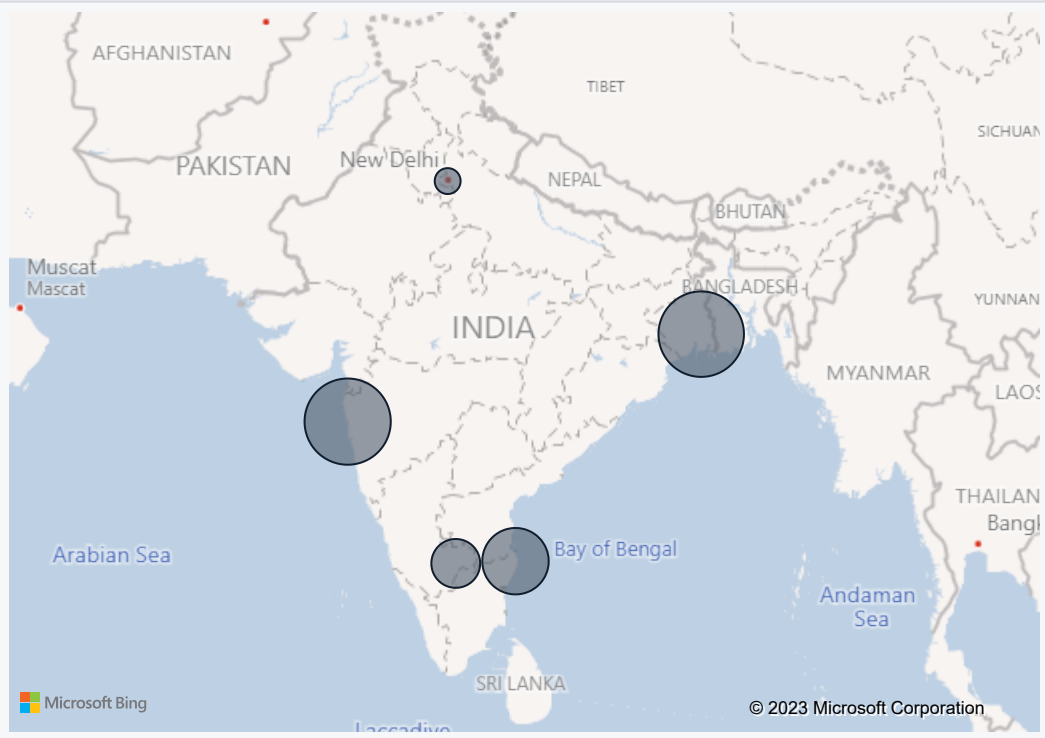
Products

Shipping

Defect Rate

SKU

Clear all
slicers



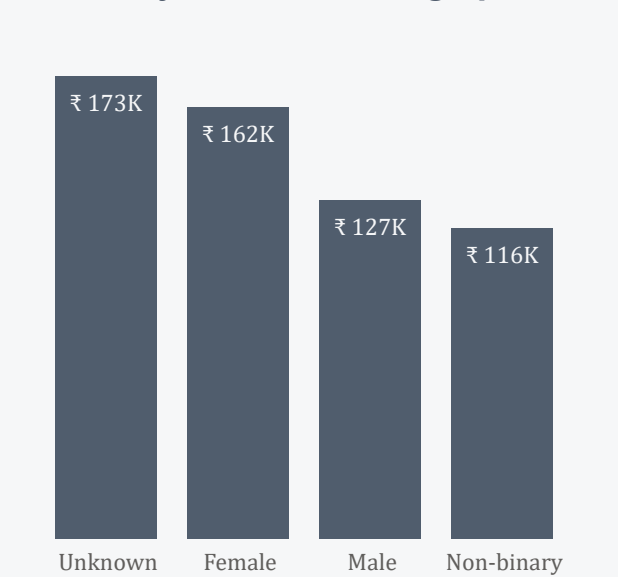
It is most likely that most of those falling into the Unknown customer demographic are those that did not want to disclose their gender.

At ₹ 173,090.13, Unknown had the highest generated revenue and was 48.75% higher than Non-binary, which had the lowest at ₹ 116,365.80.

Unknown had the highest generated revenue at ₹ 173,090.13, followed by Female, Male, and Non-binary.

Unknown accounted for

Revenue by Customer Demographic



Revenue Table

Product	Orders	Sales	Manufacturing Costs	Shipping Costs	Total Revenue
<div><div></div>skincare</div>	2099	20731.0	₹ 1,959.73	₹ 196.39	₹ 241,628.16
Kolkata	644	8101.0	₹ 468.86	₹ 69.25	₹ 77,886.27
Chennai	472	4704.0	₹ 492.99	₹ 36.98	₹ 58,957.42
Mumbai	368	3101.0	₹ 228.97	₹ 39.81	₹ 44,174.54
Bangalore	358	1719.0	₹ 474.23	₹ 33.81	₹ 31,637.82
Delhi	257	3106.0	₹ 294.68	₹ 16.54	₹ 28,972.12
<div><div></div>hairecare</div>	1480	13611.0	₹ 1,647.57	₹ 200.86	₹ 174,455.39
Bangalore	297	2160.0	₹ 455.79	₹ 51.49	₹ 51,654.35
Mumbai	359	3117.0	₹ 322.15	₹ 46.80	₹ 44,423.98
Kolkata	435	3407.0	₹ 391.31	₹ 46.53	₹ 35,027.71
Chennai	318	2321.0	₹ 279.85	₹ 32.56	₹ 28,723.45
Delhi	71	2606.0	₹ 198.47	₹ 23.48	₹ 14,625.90
<div><div></div>cosmetics</div>	1343	11757.0	₹ 1,119.37	₹ 157.56	₹ 161,521.27
Mumbai	356	3208.0	₹ 256.96	₹ 50.86	₹ 49,156.51
Delhi	405	4003.0	₹ 240.05	₹ 36.03	₹ 37,429.68
Chennai	319	1743.0	₹ 250.07	₹ 24.24	₹ 31,461.95
Kolkata	149	1262.0	₹ 186.41	₹ 28.25	₹ 24,163.57
Bangalore	114	1541.0	₹ 185.89	₹ 18.18	₹ 19,309.56
Total	4922	46099.0	₹ 4,726.67	₹ 554.81	₹ 577,604.82

- Select all
- Female
- Male
- Non-binary
- Unknown

- Select all
- Bangalore
- Chennai
- Delhi
- Kolkata
- Mumbai



Product Type

All

Customer Demographic

All

46.1K

Sales

3

Product Type

4

Customer Demographics

56.78K

Production Volume

Overview

Revenue

Products

Shipping

Defect Rate

SKU

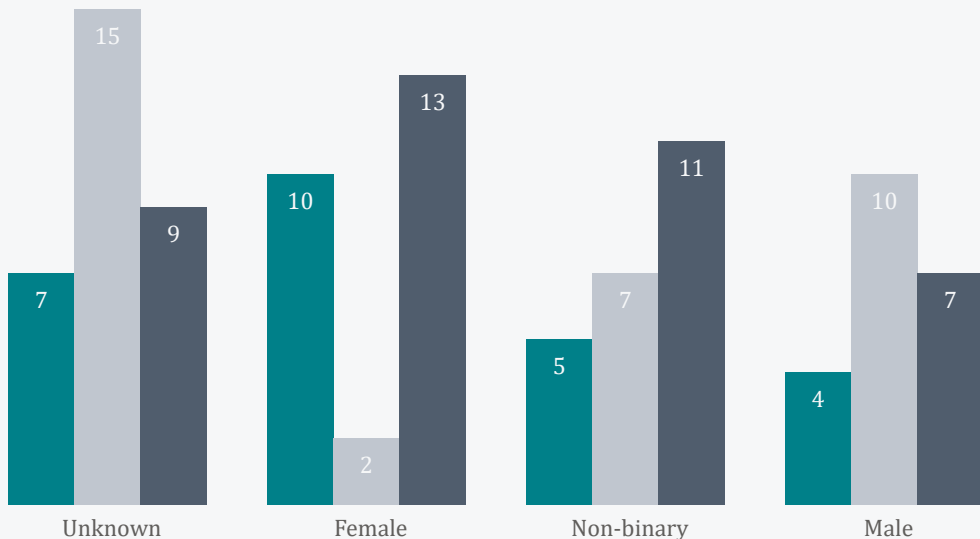
Relationship between the price of the products and the revenue generated by them.

Skincare had the highest product Sales at 20731 accounting for 45% of all sales, followed by haircare at 13611 (29.5%), and cosmetics at 11757 (25.5%).

Since the company derives more revenue from skincare products, the higher the price of skincare products, the more revenue they generate.

Product Type by Customer Demographic

cosmetics haircare skincare

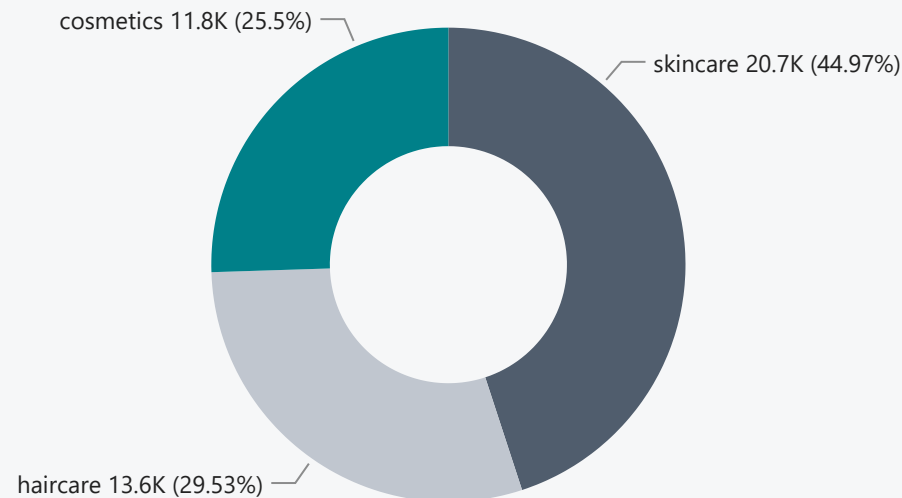


Avg lead times and manufacturing costs for all company products

Product Type	Avg Lead Time	Avg Manufacturing Costs
cosmetics	13.54	₹ 43.05
haircare	18.71	₹ 48.46
skincare	18.00	₹ 48.99
Total	17.08	₹ 47.27

Sales by Product Type

skincare haircare cosmetics



Clear all
slicers



Shipping Costs by Shipping Carrier

Transportation Mode

All

Shipping Carrier

All

Overview

Revenue

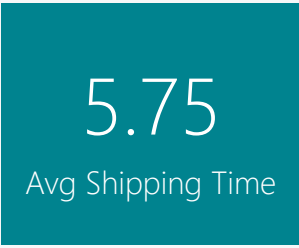
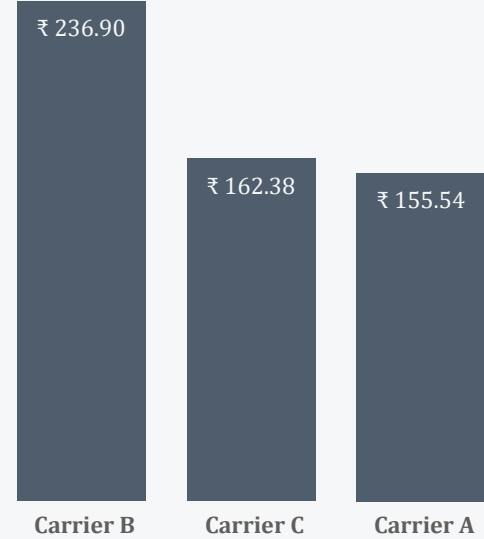
Products

Shipping

Defect Rate

SKU

Clear all
slicers

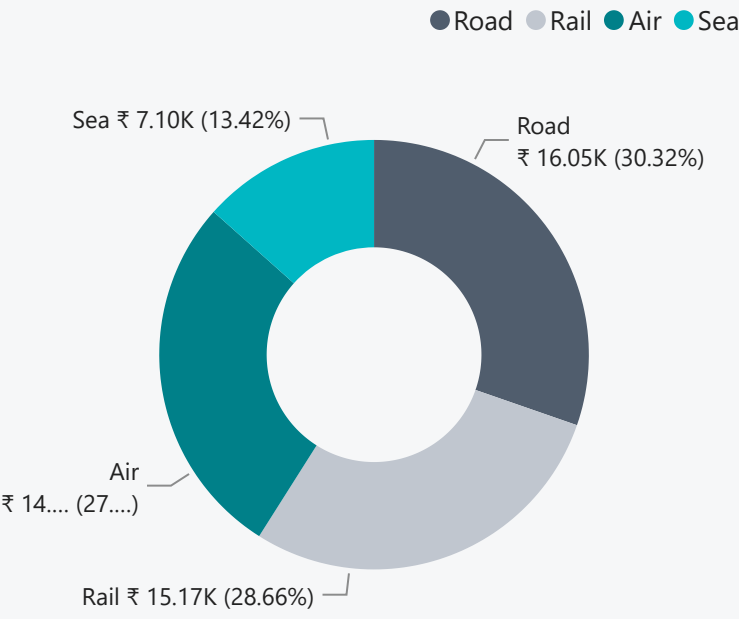


- ### Analysis of the shipping time & cost
- Carrier B had the highest Shipping Costs at ₹ 236.90, followed by Carrier C at ₹ 162.38 and Carrier A at ₹ 155.54.
 - Carrier B generates the most revenue for the company. However, it is also the most costly Carrier amongst the three.
 - Carrier B accounted for 42.70% of Shipping Costs.
 - Carrier B had ₹ 236.90 Shipping Costs, Carrier A had ₹ 155.54, and Carrier C had ₹ 162.38.

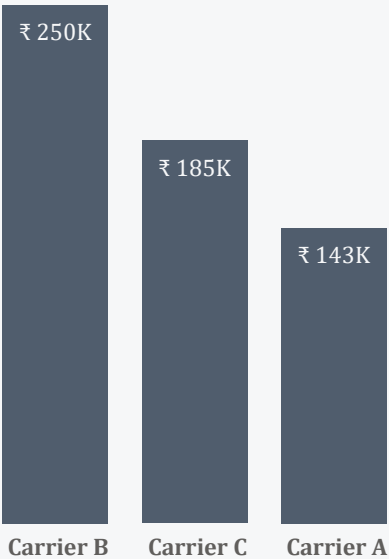
Shipping Costs by Transportation Mode



Cost Distribution by Transport Mode



Total Revenue by Shipping Carrier





Product

All

Transportation Mode

All

Overview

Revenue

Products

Shipping

Defect Rate

SKU

Clear all
slicers

2.28

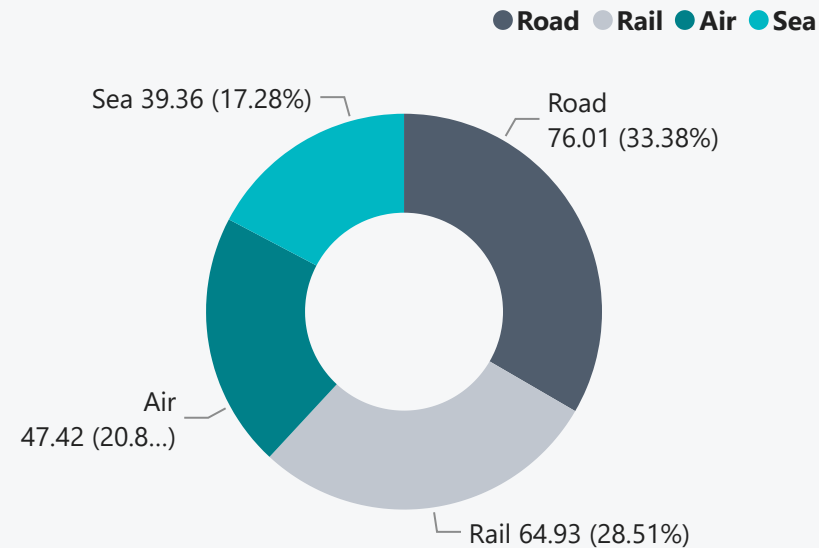
Average Defect Rate

Analyzing Defect Rate

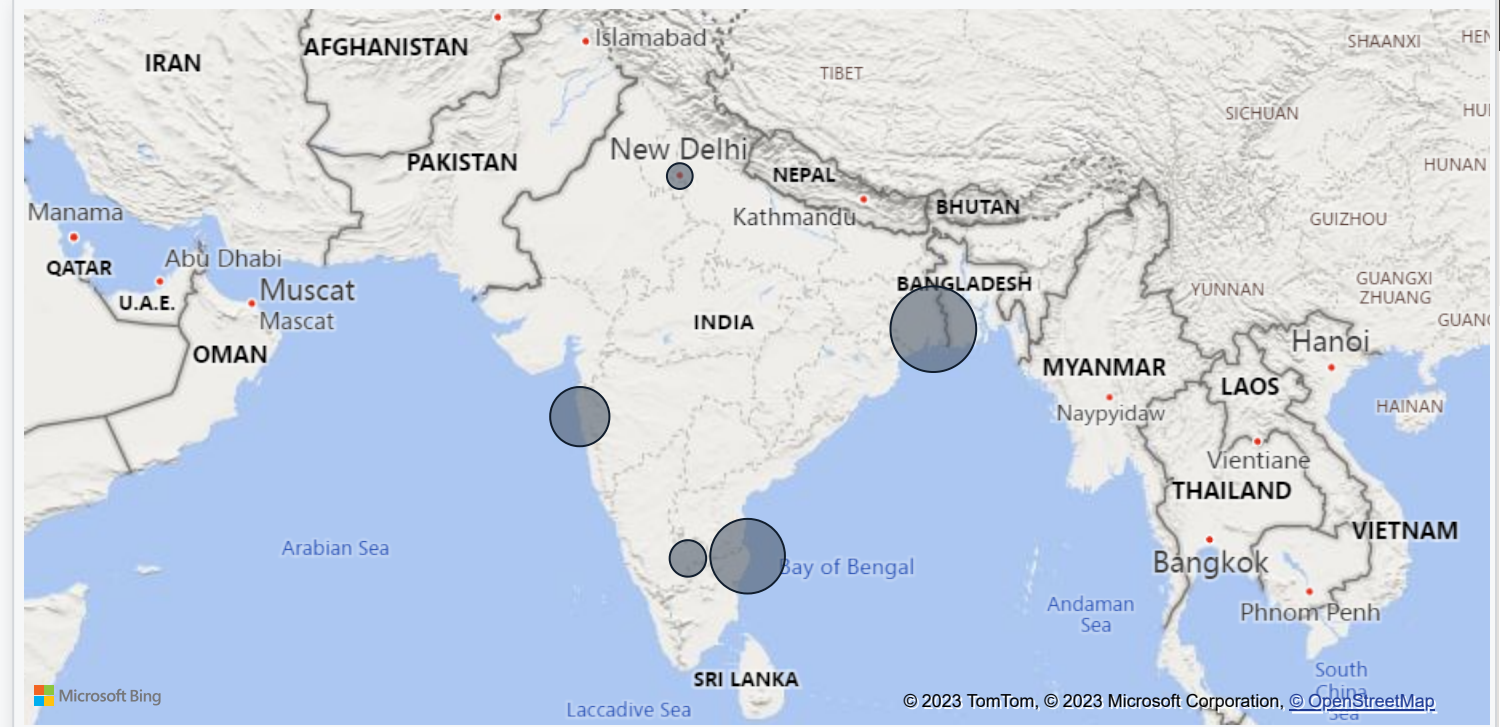
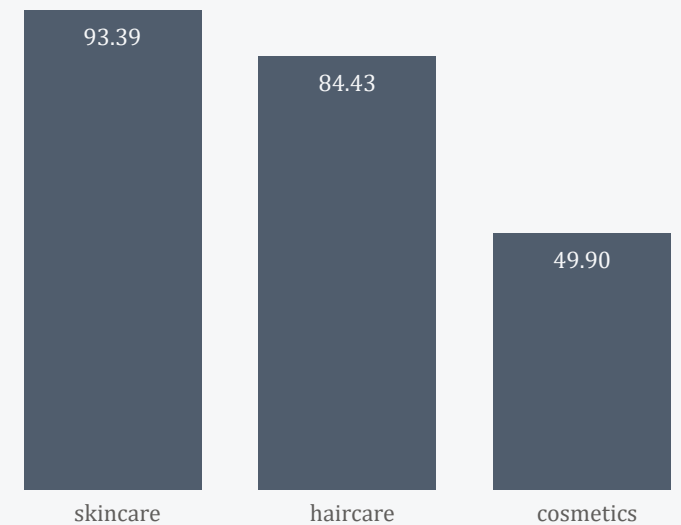
The defect rate in the supply chain refers to the percentage of products that have something wrong or are found broken after shipping

- At 93.39, skincare had the highest defect rates and was 87.14% higher than cosmetics, which had the lowest Defect Rates at 49.90.
- skincare accounted for 41.01% of defect rates.
- Road transportation resulted in the highest defect rate, while Air transportation has the lowest rate.

Defect Rates by Transport Mode



Average Defect Rates by Product Type





Overview

Revenue

Products

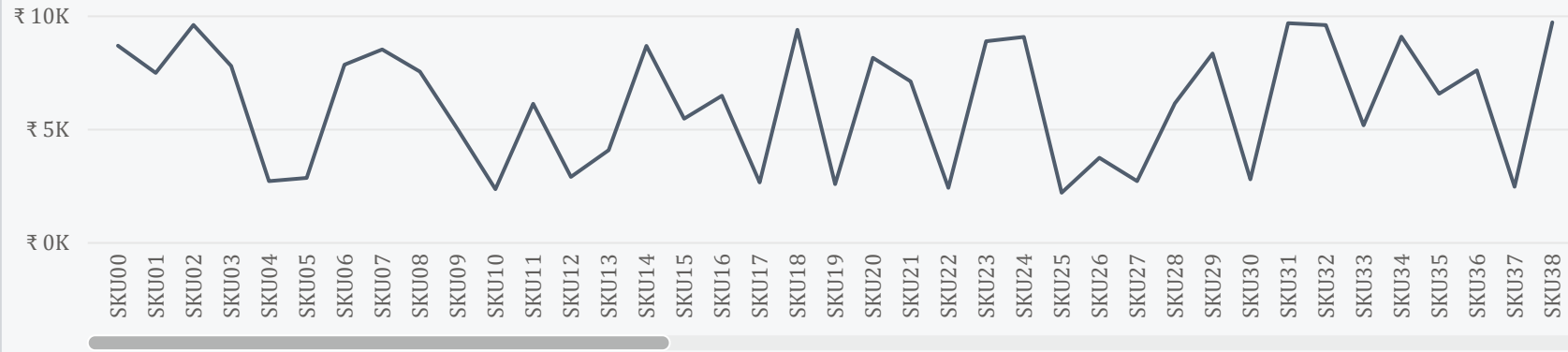
Shipping

Defect Rate

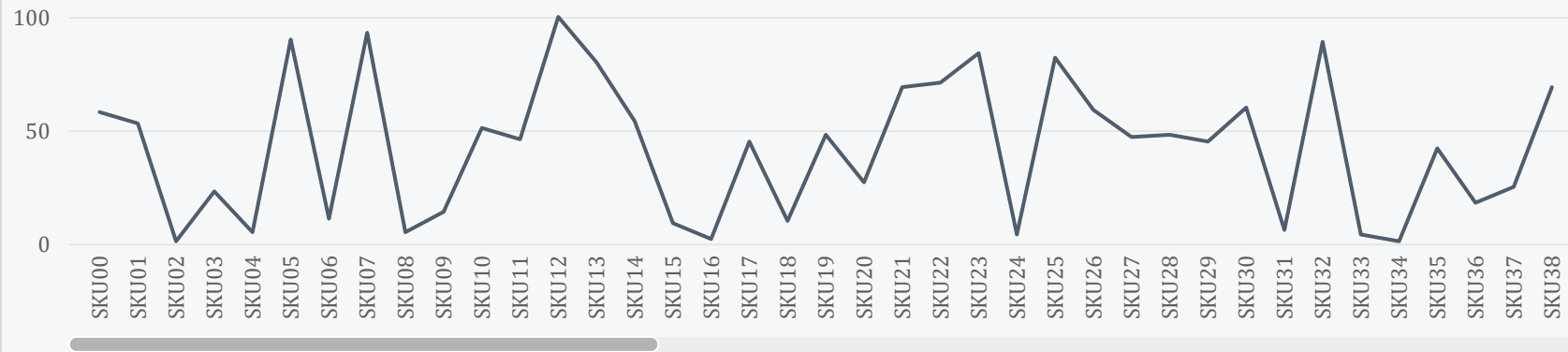
SKU

Clear all
slicers

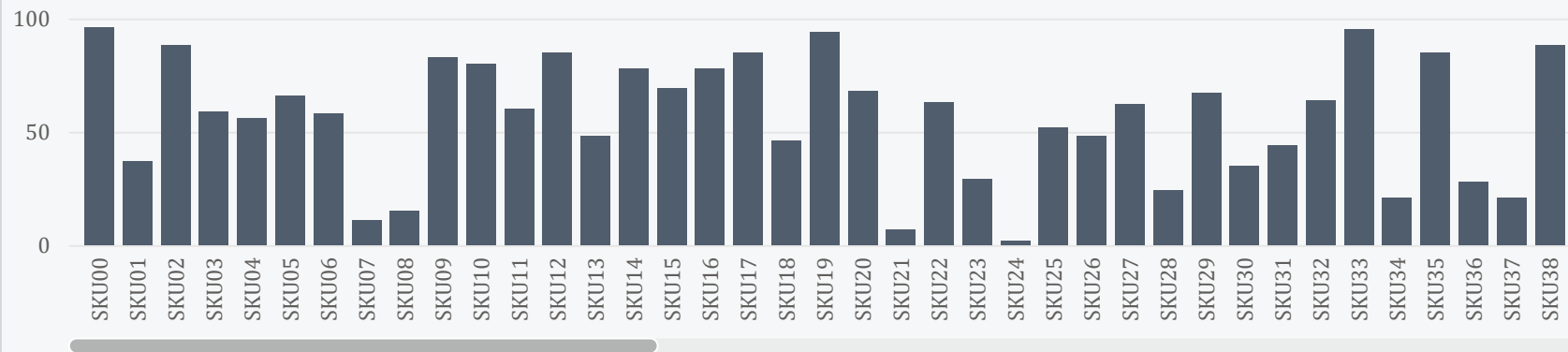
Revenue Generated by SKU



Stock Levels by SKU



Order Quantity by SKU



4777

Stock Levels

100

Count of SKU

SKU - Stock Keeping Units

The special codes that help companies keep track of all the different things they have for sale.

Stock levels are the number of products which the store has in its inventory.

- At ₹ 9,866.47, SKU51 had the highest Revenue and was 829.38% higher than SKU59, which had the lowest Generated Revenue at ₹ 1,061.62.
- SKU51 accounted for 1.71% of Revenue .
- Across all 100 SKU's, Generated Revenue ranged from ₹ 1,061.62 to ₹ 9,866.47.