



Supply Chain Analysis

The Beauty Company seeks insights into its supply chain to enhance operational efficiency and customer satisfaction. The **objective** is to develop a Power BI report that provides actionable insights, enabling the team to identify inefficiencies, monitor product performance, and optimize inventory, supplier, and logistics operations.

[Company Details](#)[Get Started](#)

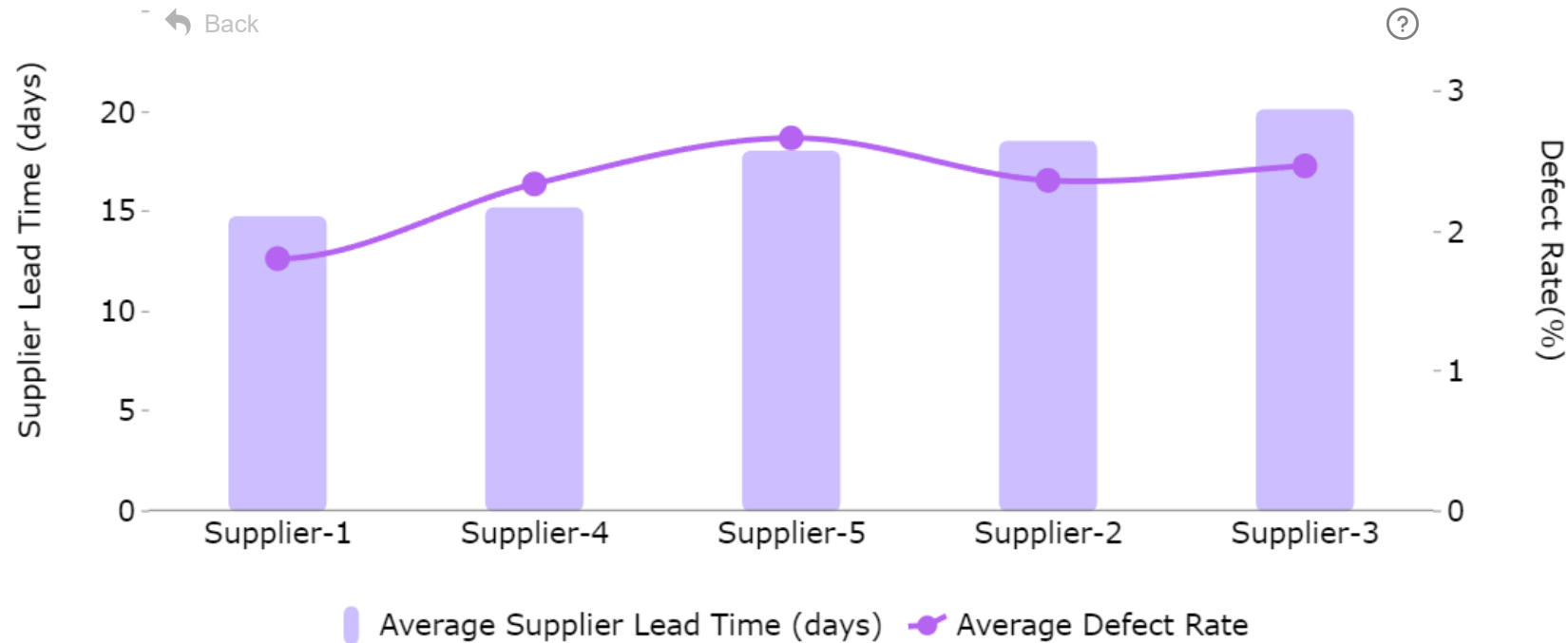


Supply Chain Analysis: Sourcing Insights

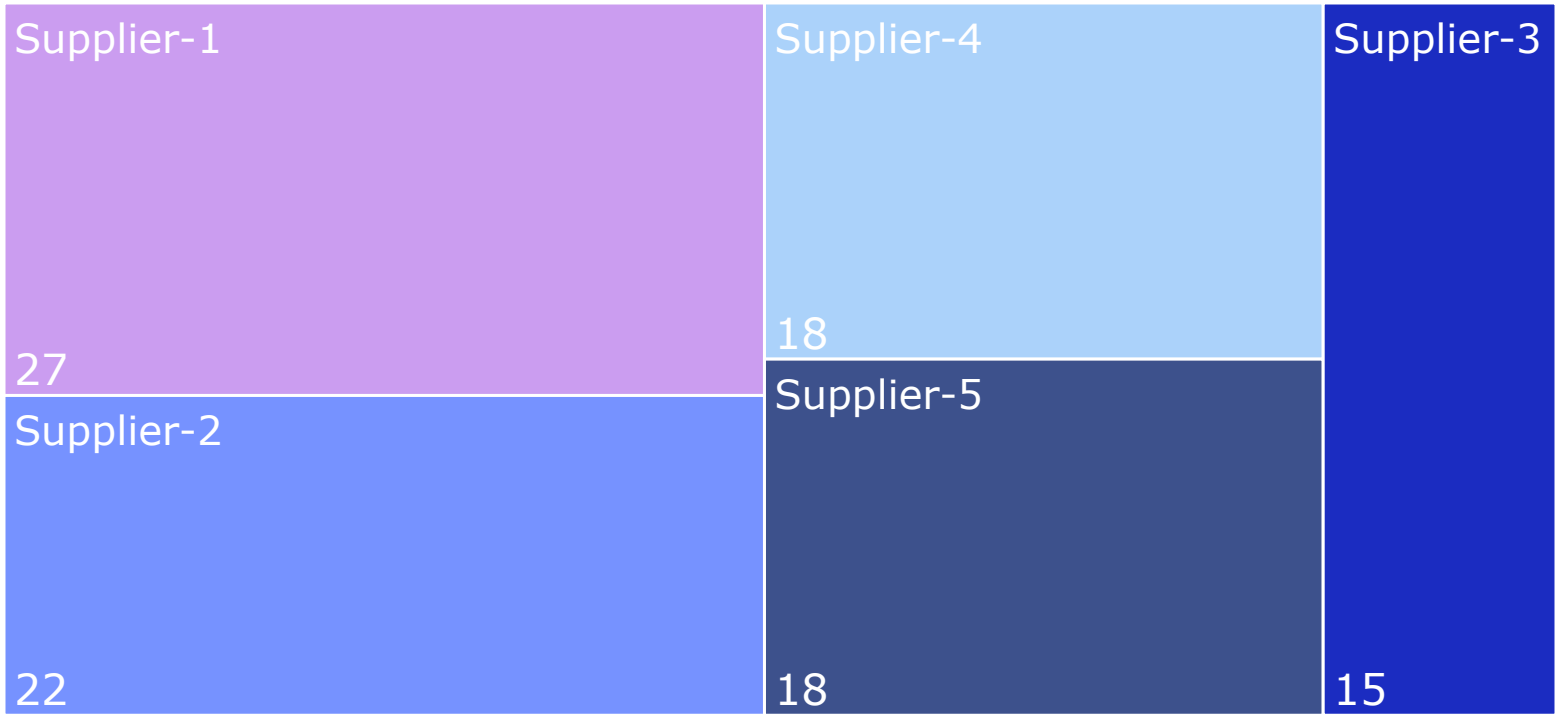
Reset

Guide

Average Supplier Lead Time (days) and Defect Rate (%) by Supplier



Number of Products for Which Supplier Has Provided Raw Materials

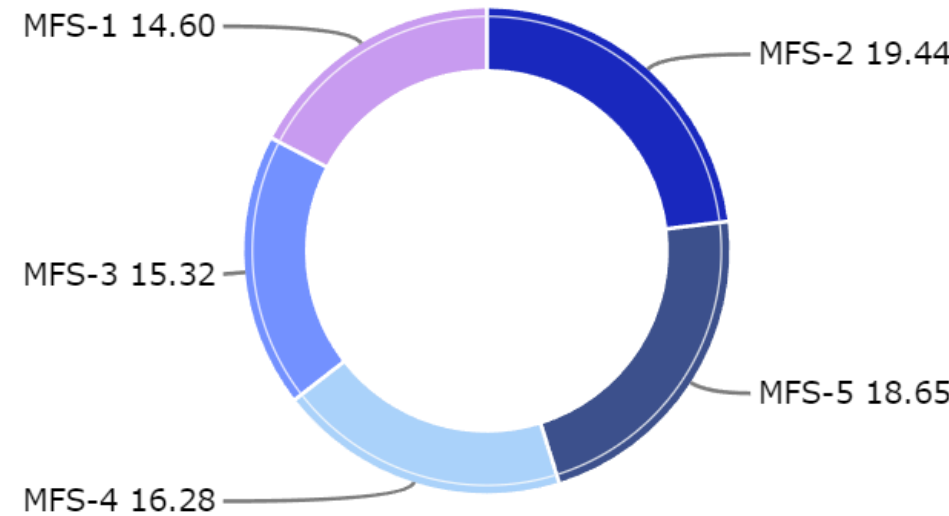


SKU Vs Supplier Lead Time (days)

Product Type	SKU	Supplier Lead Time	Supplier
Cosmetics	SKU17	7	Supplier-1
Cosmetics	SKU28	13	Supplier-1
Cosmetics	SKU29	16	Supplier-1
Cosmetics	SKU35	3	Supplier-1
Cosmetics	SKU59	11	Supplier-1
Cosmetics	SKU72	21	Supplier-1
Cosmetics	SKU89	23	Supplier-1
Cosmetics	SKU44	7	Supplier-2
Cosmetics	SKU50	20	Supplier-2
Cosmetics	SKU100	10	Supplier-2

Average Supplier Lead Time by Manufacturing Sites

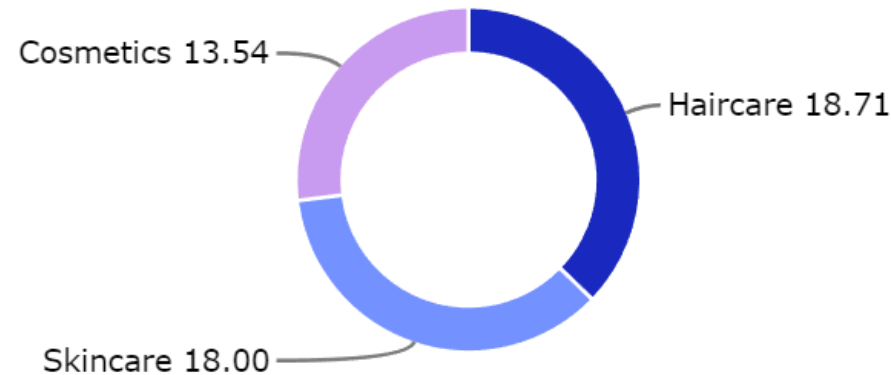
Drill Down: Manufacturing Site >> Supplier



Average Supplier Lead Time (days)

17.08

Average Supplier Lead Time (days) by Product Type





Supply Chain Analysis: Production Insights

Reset

Guide

Total Production Volume

56784

Avg Manufacturing Lead Time (days)

14.77

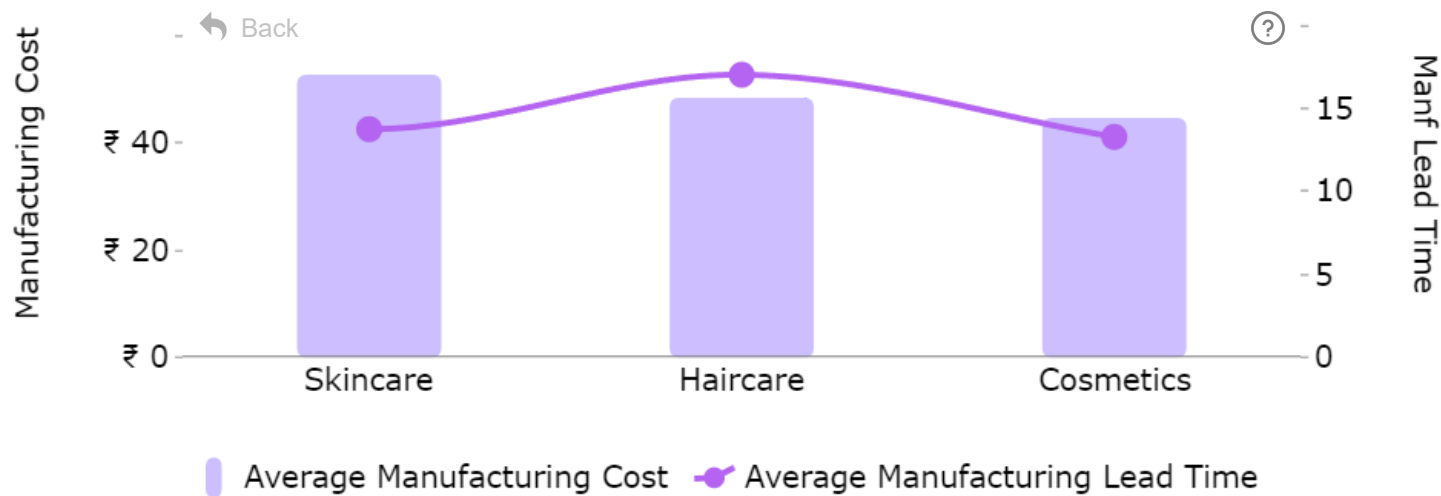
Average Manufacturing Cost

₹ 49.14

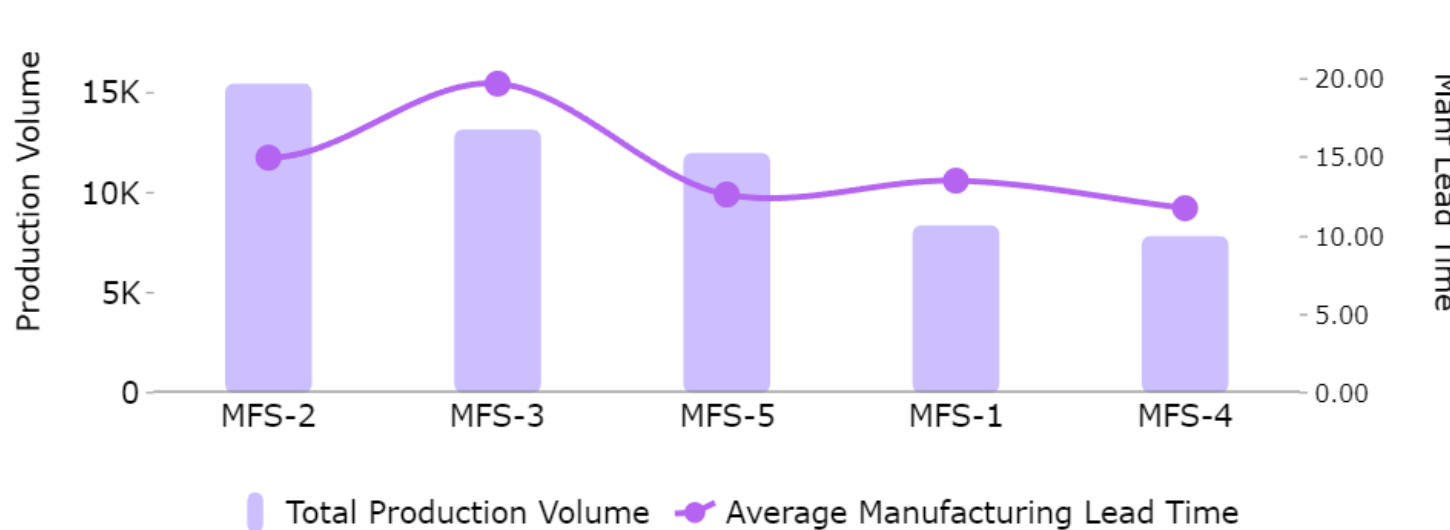
New Products Stock Value

₹ 2.71M

Avg Manufacturing Cost and Avg Manufacturing Lead Time by Product Type



Total Production Volume and Avg Manufacturing Lead Time by Manufacturing Site



Newly Produced Stock Value by Product Type

Skincare

₹ 1.14M

Haircare

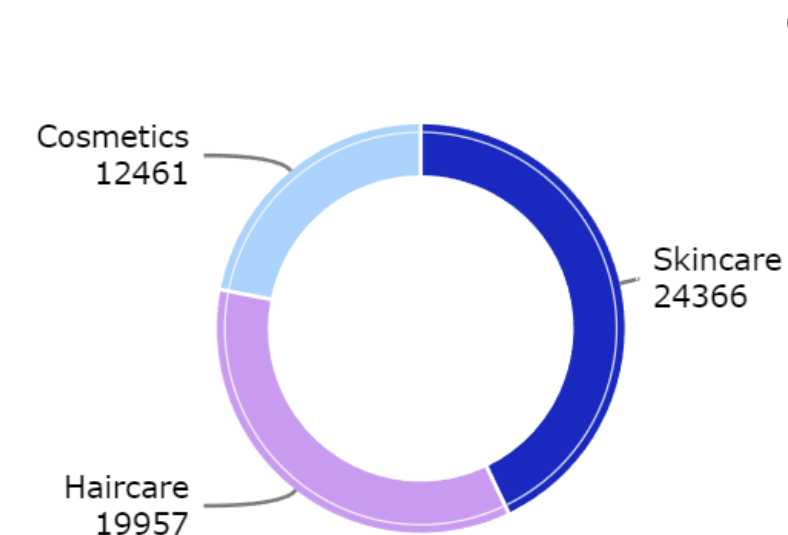
₹ 0.88M

Cosmetics

₹ 0.69M

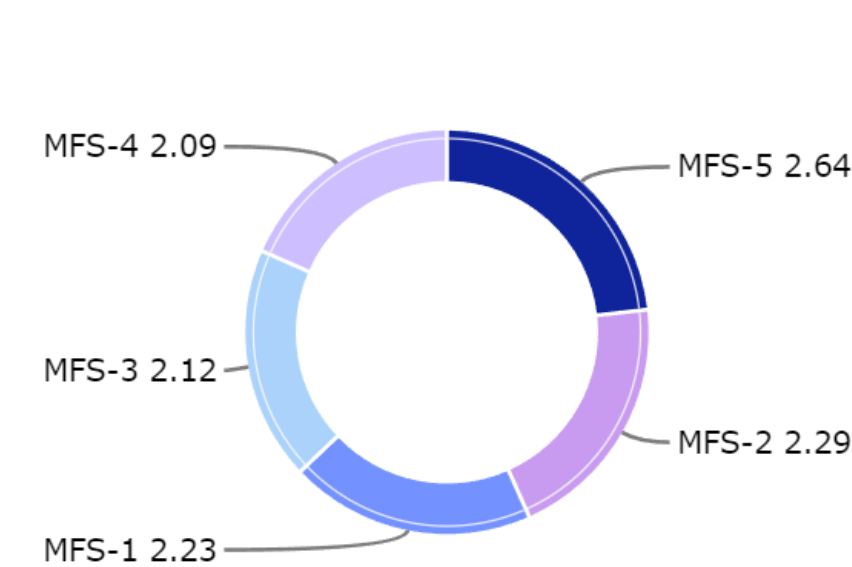
Total Production Volume by Product Type

Drill Down: Product Type >> Customer Demographics



Average Defect Rate (%) by Manufacturing Site

Drill Down: Manufacturing Site >> Product Type



SKU Vs Production Metrics

Product Type	SKU	Production Volumes	Manufacturing Lead Time	Manufacturing Costs	Manufacturing Site
Haircare	SKU0	215	29	46.28	MFS-3
Skincare	SKU1	517	30	33.62	MFS-3
Skincare	SKU10	830	5	96.53	MFS-2
Skincare	SKU11	362	11	27.59	MFS-2
Haircare	SKU12	563	3	32.32	MFS-2
Skincare	SKU13	173	10	97.83	MFS-4



Supply Chain Analysis: Inventory Analysis

Reset

Guide

Stock At Store

4840

Stock At Warehouse

4777

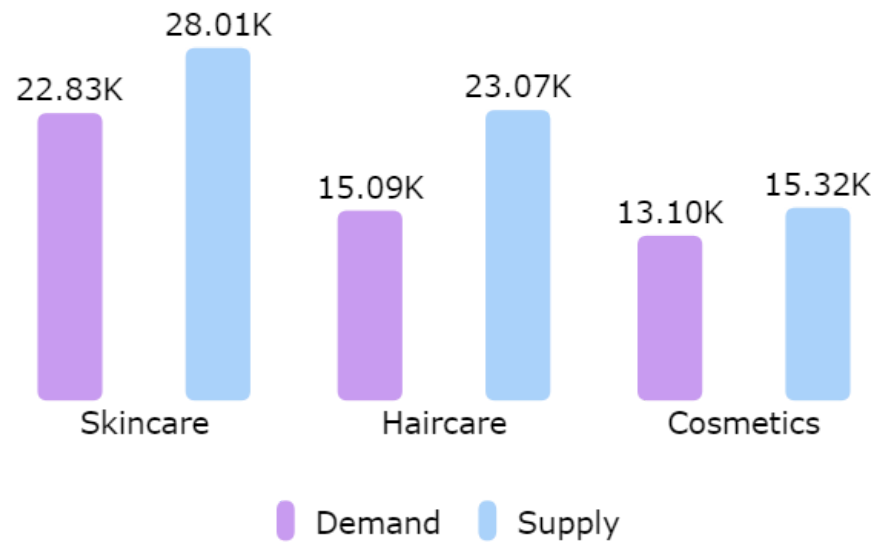
Total Order Quantities

4922

Demand and Supply by Product Type

Drill Down: Product Type >> Customer Demographics

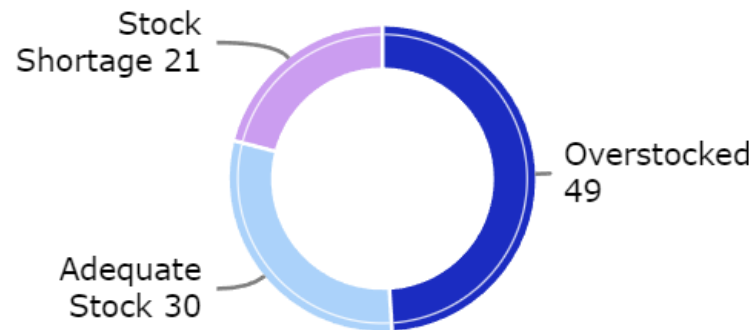
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Number of Products by Stock Status

Drill Down: Stock Status >> Product Type

Back



Total Inventory Value

₹ 485.07K

Total Inventory Value by Product Type

Skincare

₹ 176.88K

Cosmetics

₹ 161.79K

Haircare

₹ 146.40K

Stock At Warehouse by WareHouse Site

Drill Down: WareHouse Site >> Product Type

1439

WHS-2

932

WHS-3

856

WHS-4

799

WHS-5

751

WHS-1

SKU Vs Inventory Metrics

Product Type	SKU	Store Stock	Warehouse Stock	Order Quantities	Stock Status
Cosmetics	SKU17	82	45	85	Adequate Stock
Cosmetics	SKU21	60	69	7	Overstocked
Cosmetics	SKU23	30	84	29	Overstocked
Cosmetics	SKU27	42	47	62	Adequate Stock
Cosmetics	SKU28	12	48	24	Overstocked
Cosmetics	SKU29	3	45	67	Stock Shortage
Cosmetics	SKU33	63	4	95	Stock Shortage
Cosmetics	SKU35	11	42	85	Stock Shortage

Stock At Store, Stock At Warehouse and Order Quantities by Product Type

2.04K

Skincare

1.61K

2.10K

1.47K

Haircare

1.64K

1.48K

1.33K

Cosmetics

1.52K

1.34K

Stock At Store Stock At Warehouse Order Quantities



Supply Chain Analysis: Logistics

Average Shipping Time(days)

5.75

Average Shipping Cost

₹ 5.55

Total Shipping Cost

₹ 554.81

Which Transportation Service is most used?

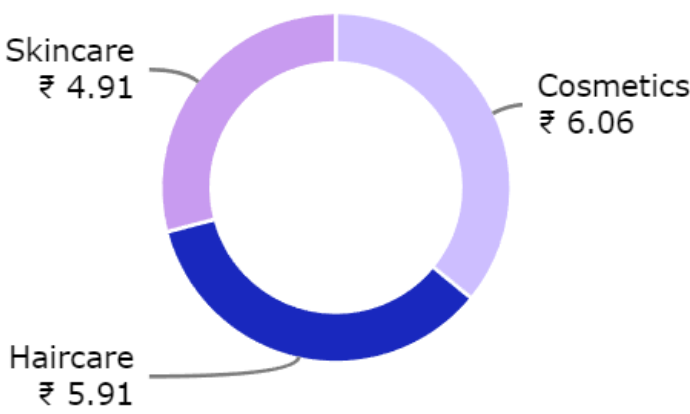
Drill Down: Carrier >> Route >> Transportation Mode

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Average Shipping Cost by Product Type

Back



SKU Vs Logistics Metrics

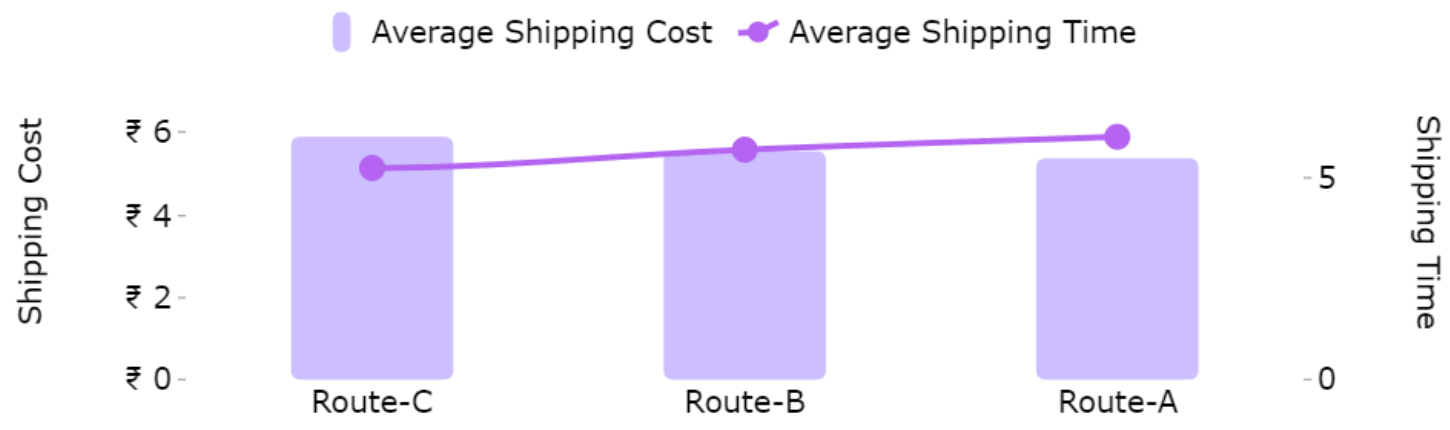
Product Type	SKU	Shipping Times	Shipping Costs	Shipping Carrier	Shipping Routes
Cosmetics	SKU17	9	3.59	Carrier-C	Route-C
Cosmetics	SKU21	6	6.04	Carrier-B	Route-C
Cosmetics	SKU23	7	2.92	Carrier-A	Route-A
Cosmetics	SKU27	8	7.41	Carrier-C	Route-B
Cosmetics	SKU28	4	9.90	Carrier-B	Route-A
Cosmetics	SKU29	7	8.10	Carrier-B	Route-B
Cosmetics	SKU33	9	4.86	Carrier-C	Route-A

Reset

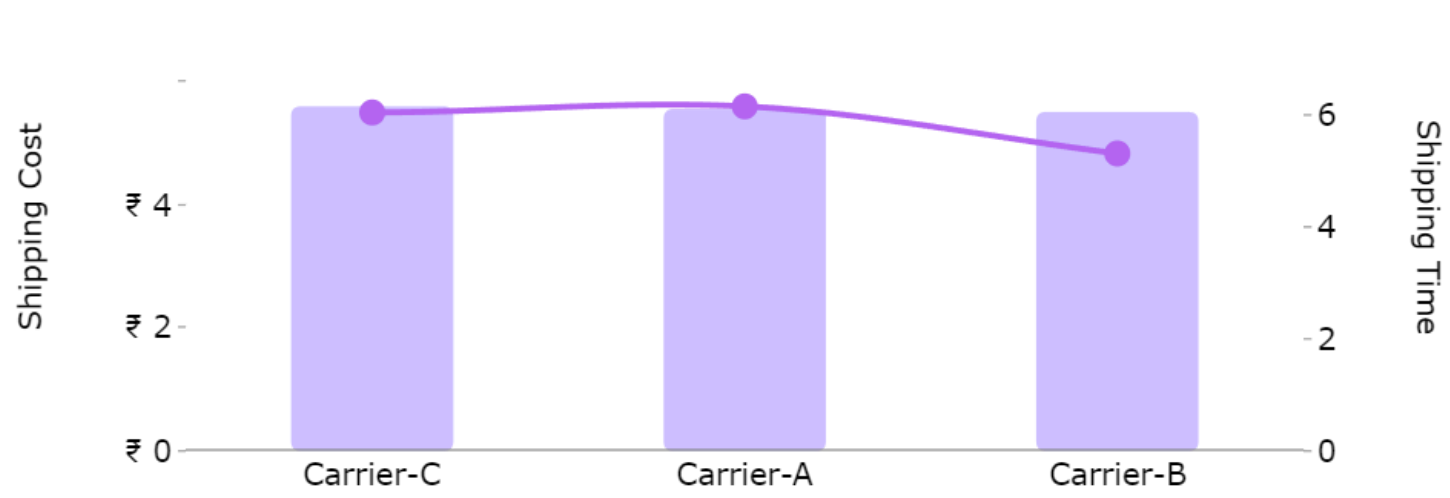
Guide

Average Shipping Cost and Average Shipping Time By:

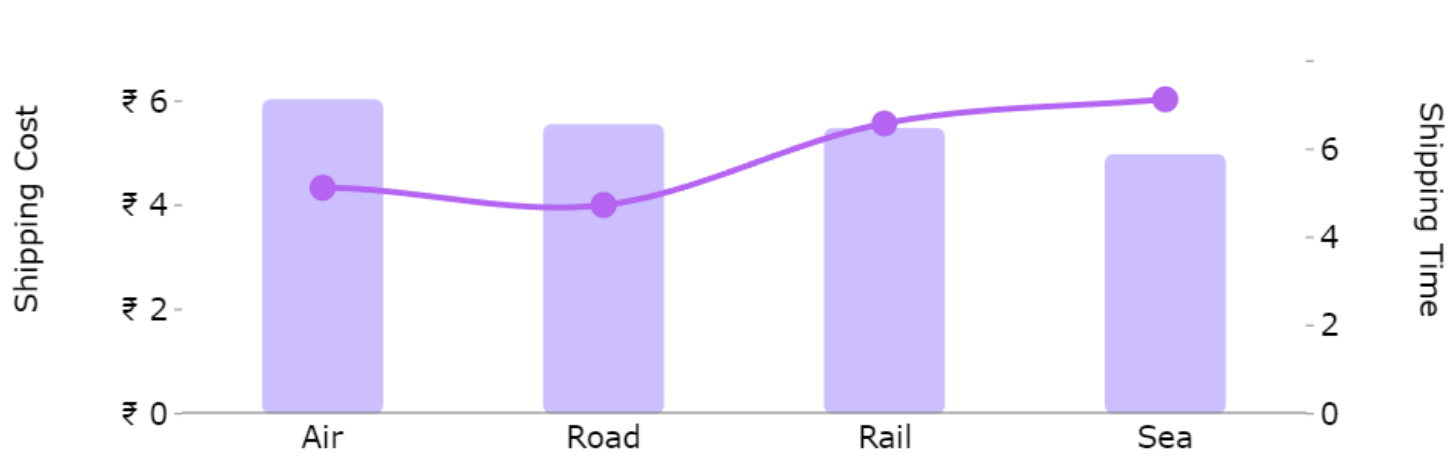
Shipping Routes



Shipping Carrier



Transportation Mode





Supply Chain Analysis: Retail Insights

Reset

Guide

58.21K

Total Costs

46,099

Total Products Sold

519.40K

Total Profit

577.60K

Total Revenue Generated

Total Costs Vs Top 5 SKU

↶ Back

?

SKU90 1.08K

SKU76 1.07K

SKU9 1.05K

SKU91 1.04K

SKU4 1.02K

Total Costs Vs Bottom 5 SKU

↶ Back

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SKU2 180.66

SKU58 180.35

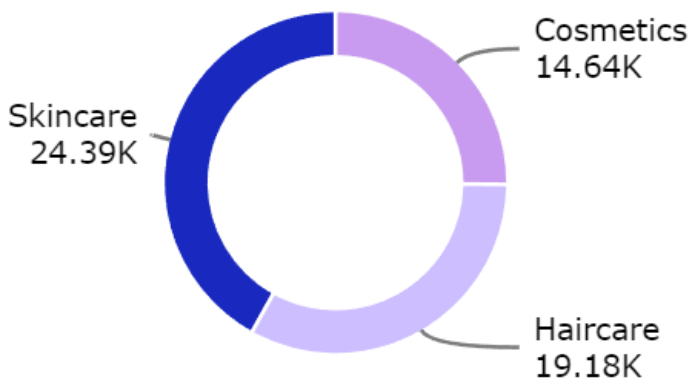
SKU88 175.90

SKU11 158.84

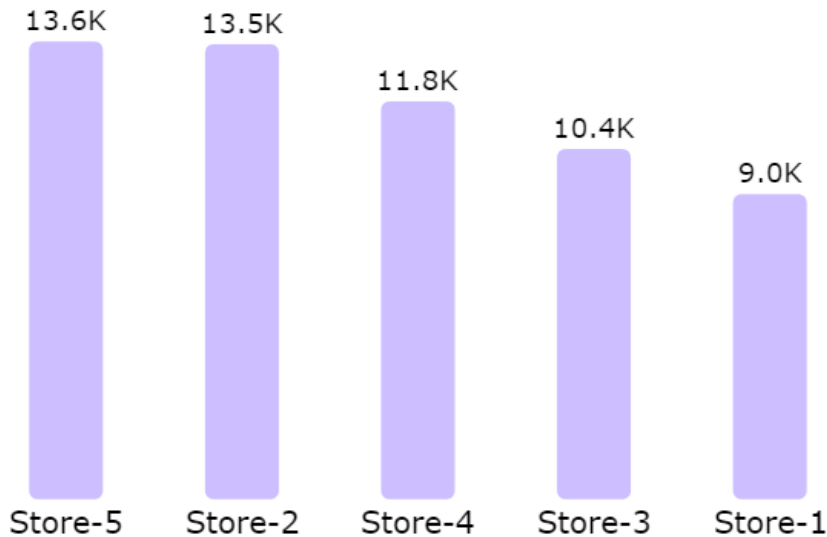
SKU6 139.33

Total Costs by Product Type

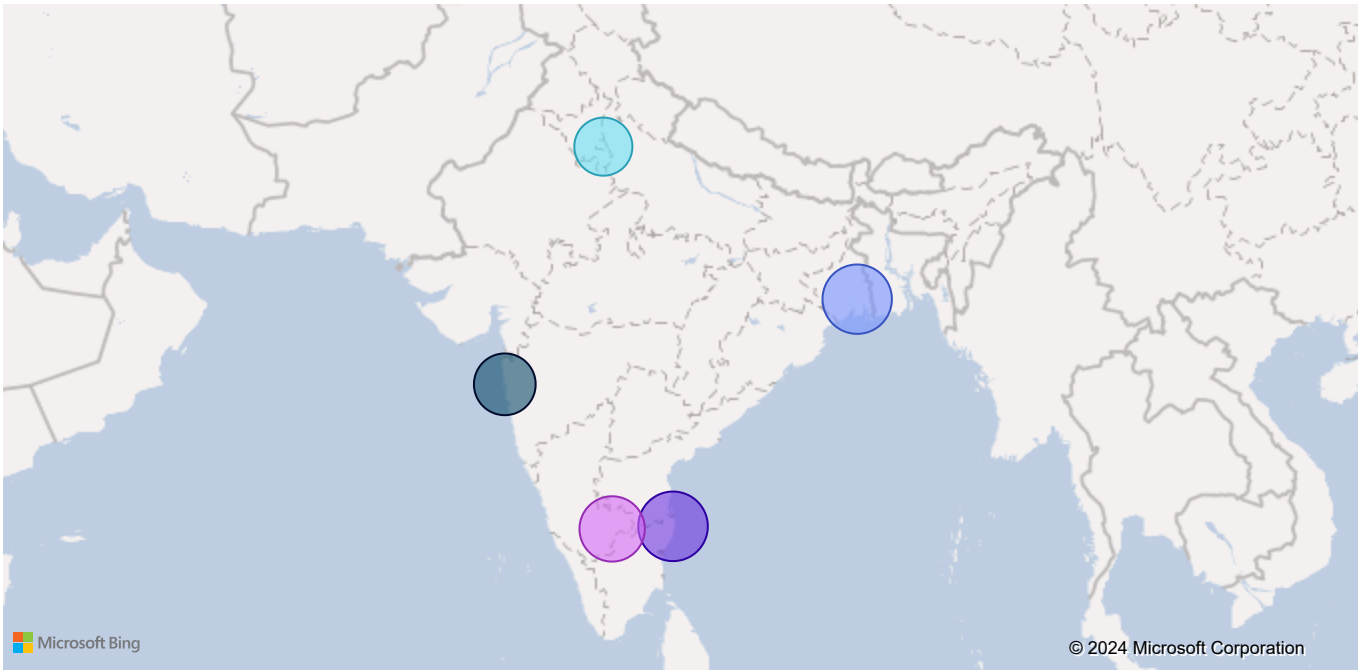
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Total Costs by Store Site

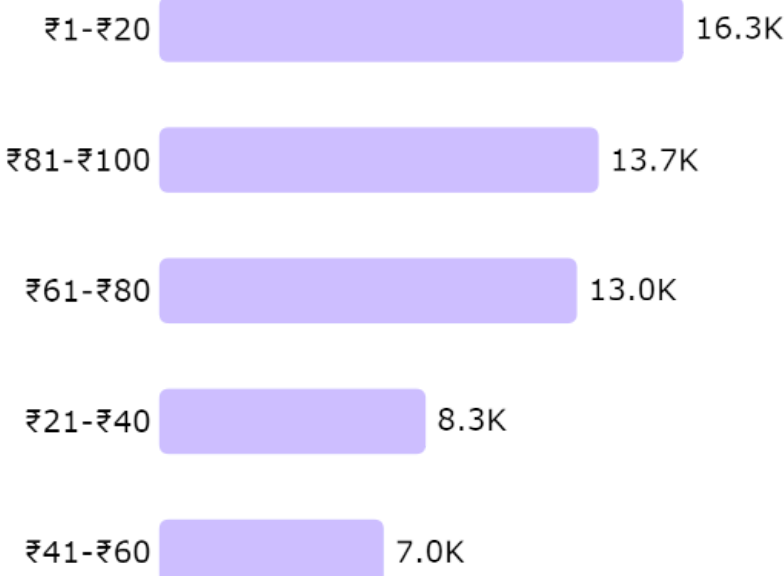


Total Costs by Supply Chain Location

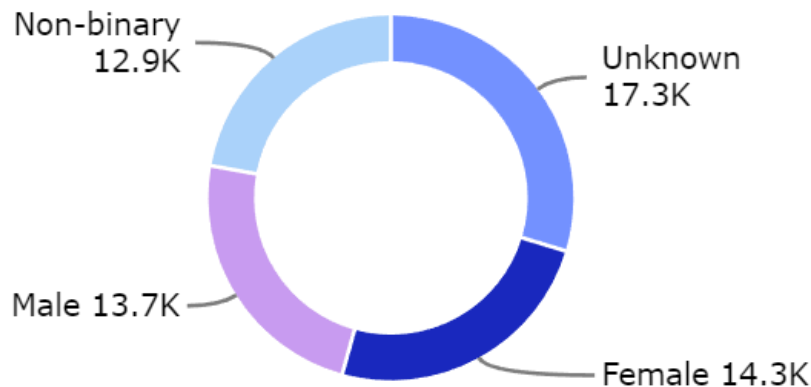


Location ● Bangalore ● Chennai ● Delhi ● Kolkata ● Mumbai

Total Costs by Product Price Category



Total Costs by Customer Demographics





Product Type		Customer Demographics			Supply Chain Location			Product Price Category		
All		All			All			All		
SKU	Total Profit	Total Revenue Generated	Total Costs	Total Products Sold	Current Order Quantities	Total Available Stock	Stock Status	Total Inventory Value	Total Production Volume	New Products Stock Value
SKU0	₹ 8.43K	₹ 8.66K	₹ 236.99	802	96	113	Adequate Stock	₹ 7.89K	215	₹ 15.01K
SKU1	₹ 6.91K	₹ 7.46K	₹ 546.40	736	37	148	Overstocked	₹ 2.20K	517	₹ 7.67K
SKU10	₹ 1.42K	₹ 2.33K	₹ 911.30	996	80	62	Stock Shortage	₹ 0.97K	830	₹ 13.04K
SKU11	₹ 5.94K	₹ 6.10K	₹ 158.84	960	60	141	Overstocked	₹ 12.78K	362	₹ 32.81K
SKU12	₹ 2.44K	₹ 2.87K	₹ 436.62	336	85	141	Adequate Stock	₹ 10.04K	563	₹ 40.09K
SKU13	₹ 3.40K	₹ 4.05K	₹ 654.61	249	48	85	Adequate Stock	₹ 1.37K	173	₹ 2.80K
SKU14	₹ 7.72K	₹ 8.65K	₹ 937.07	562	78	80	Adequate Stock	₹ 7.93K	558	₹ 55.34K
SKU15	₹ 5.21K	₹ 5.44K	₹ 227.41	469	69	103	Adequate Stock	₹ 3.81K	580	₹ 21.45K
SKU16	₹ 5.51K	₹ 6.45K	₹ 946.82	280	78	76	Stock Shortage	₹ 0.57K	399	₹ 3.01K
SKU17	₹ 1.91K	₹ 2.63K	₹ 722.20	126	85	127	Adequate Stock	₹ 10.35K	453	₹ 36.90K
SKU18	₹ 8.74K	₹ 9.36K	₹ 624.93	620	46	33	Stock Shortage	₹ 1.20K	374	₹ 13.63K
SKU19	₹ 1.99K	₹ 2.55K	₹ 564.42	187	94	148	Adequate Stock	₹ 7.57K	694	₹ 35.48K
SKU2	₹ 9.40K	₹ 9.58K	₹ 180.66	8	88	35	Stock Shortage	₹ 0.40K	971	₹ 10.99K
SKU20	₹ 7.56K	₹ 8.13K	₹ 568.44	320	68	49	Stock Shortage	₹ 4.72K	309	₹ 29.77K
SKU21	₹ 6.50K	₹ 7.09K	₹ 591.13	601	7	129	Overstocked	₹ 10.95K	791	₹ 67.15K
SKU22	₹ 2.13K	₹ 2.39K	₹ 265.26	884	63	126	Adequate Stock	₹ 3.49K	780	₹ 21.59K
SKU23	₹ 8.56K	₹ 8.86K	₹ 297.86	391	29	114	Overstocked	₹ 0.49K	568	₹ 2.46K
SKU24	₹ 8.24K	₹ 9.05K	₹ 808.85	200	2	36	Overstocked	₹ 0.15K	117	₹ 1.86K
Total	₹ 519.40K	₹ 577.60K	₹ 58,206.06	46099	4922	9617		₹ 485.07K	56784	₹ 2,707.56K