Task 8: Simple Sales Dashboard Design

Dataset: Supply Chain Analysis

Tool: Power BI

Name: Sasindu Chanaka Piyumal.

Email ID: sasinduha@gmail.com

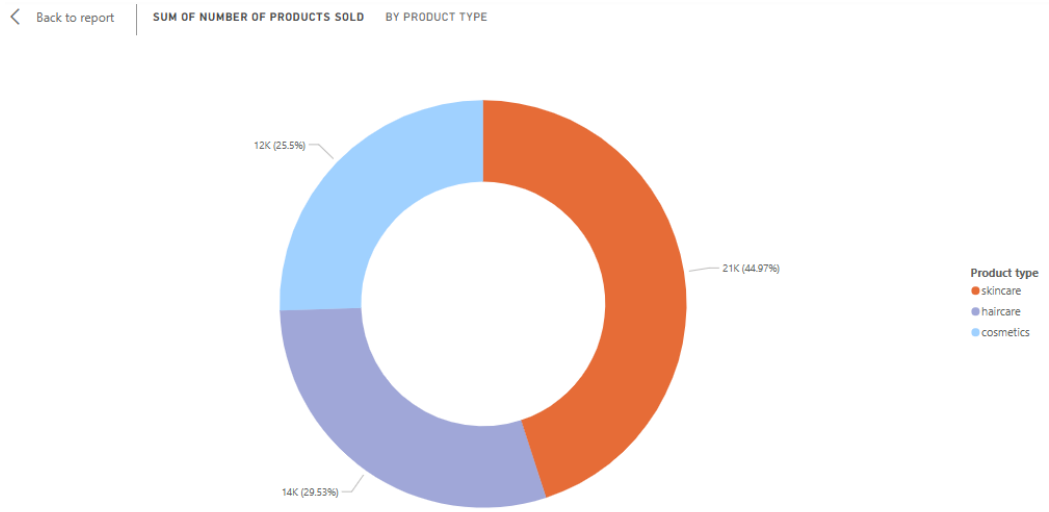
Introduction

Supply chain analytics is a valuable part of data-driven decision-making in various industries such as manufacturing, retail, healthcare, and logistics. It is the process of collecting, analyzing and interpreting data related to the movement of products and services from suppliers to customers.

Here is a dataset I downloaded from Kaggle of a Fashion and Beauty startup. The dataset is based on the supply chain of Makeup products. Below are all the features in the dataset:

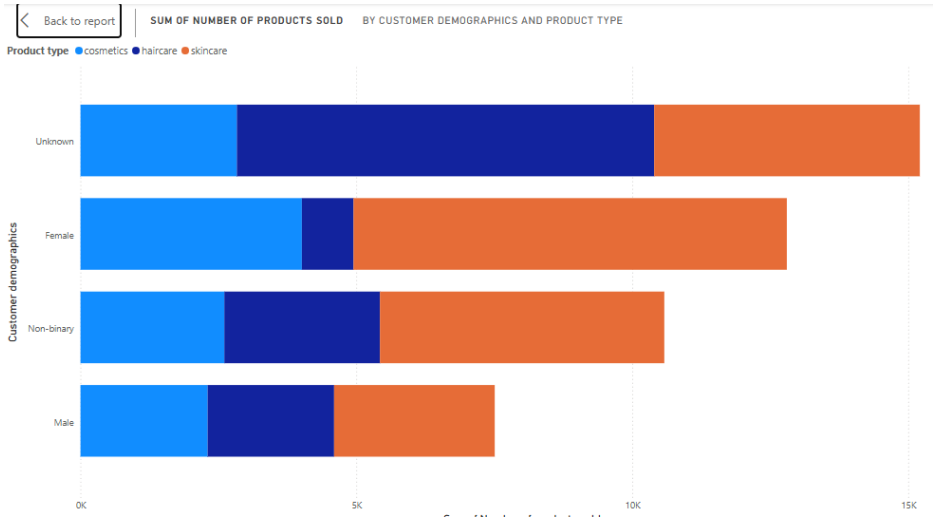
- Product Type
- SKU
- Price
- Availability
- Number of products sold
- Revenue generated
- Customer demographics
- Stock levels
- Lead times
- Order quantities
- Shipping times
- Shipping carriers
- Shipping costs
- Supplier name
- Location
- Lead time
- Production volumes
- Manufacturing lead time
- Manufacturing costs
- Inspection results
- Defect rates
- Transportation modes
- Routes
- Costs

- There are around 46000 makeup products available in this store.
- The sum of revenue generated from selling products are around 577 600 price units.
- The sum of order quantities is around 4922.
- The sum of manufacturing cost is around 4730 price units.
- **The sum of number of products sold by product type**



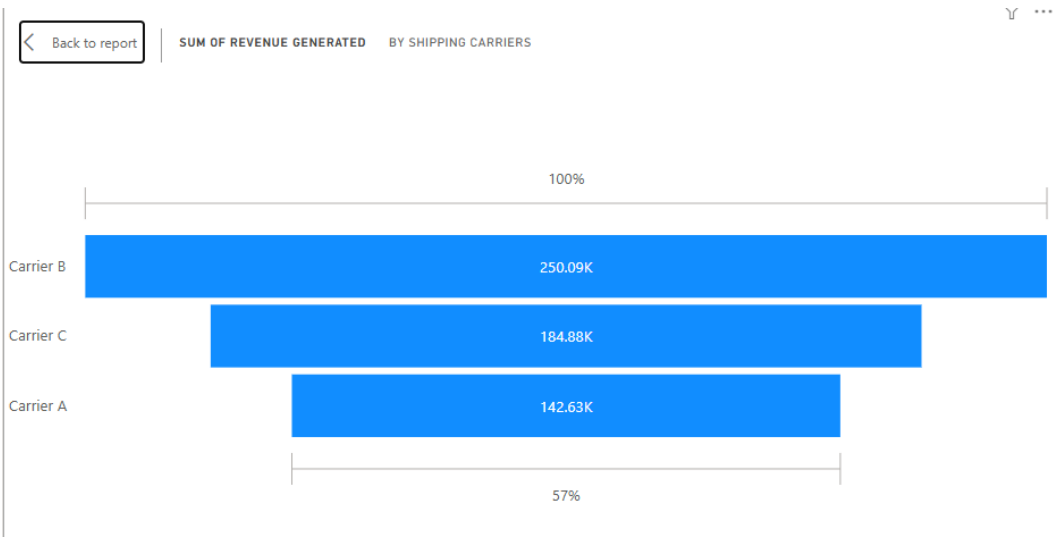
The most of products have sold from skincare type and the lowest products has sold from cosmetics type.

- **The sum of number of products sold by customer demographics and product type**



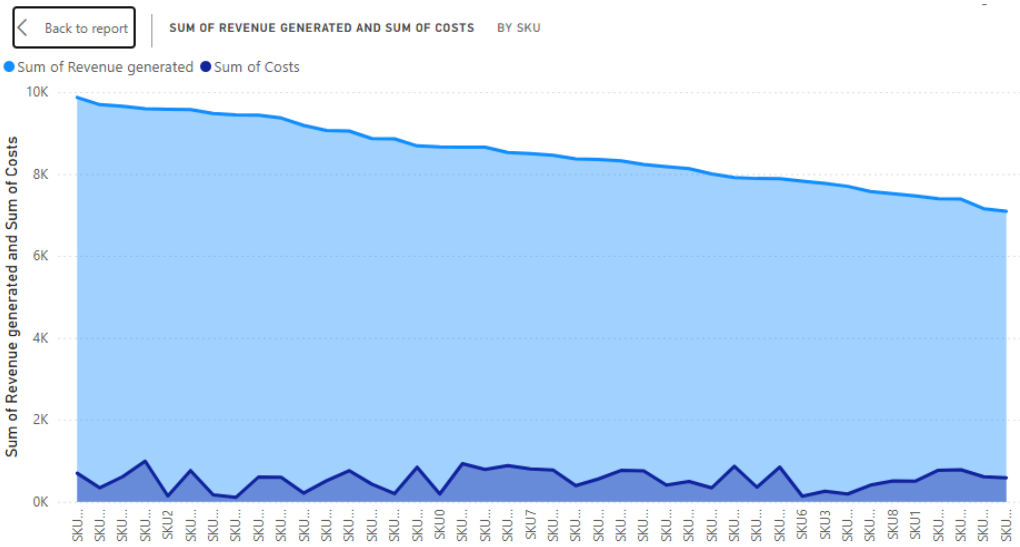
The most of customers from unknown category, they have purchased healthcare products mostly and cosmetics in less. Then female, non-binary, and male categories are decreasing respectively. The females has purchased high amount of skincare products and low amount from healthcare products.

- **The sum of revenue generated by shipping carriers**



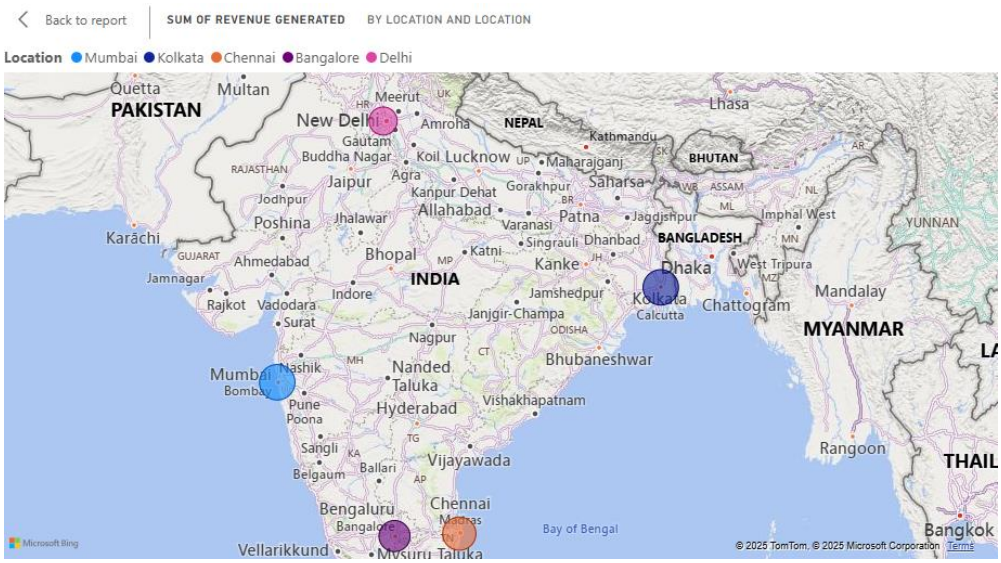
The highest sum of revenue generated by carrier B and the lowest from carrier A.

- **The sum of revenue generated and sum of costs by SKU**



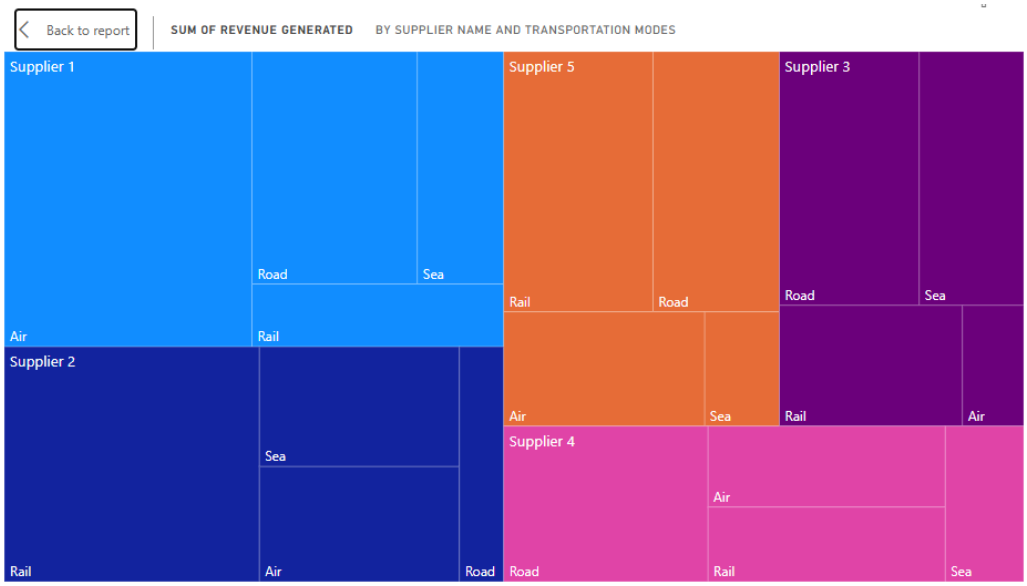
From above graph, we can see the revenue is more than costs for each SKU s.

- **The sum of revenue generated by location.**



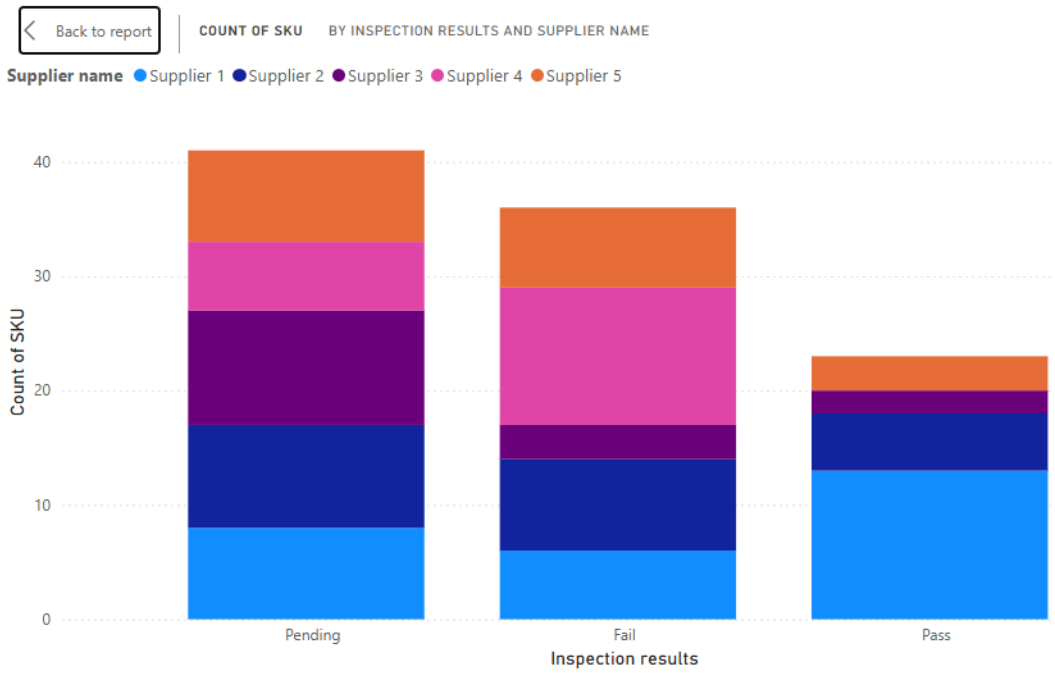
The highest revenue has generated from Mumbai, then Kolkata, Chennai, Bangalore, and Delhi's revenues decreasing respectively.

- **The Sum of revenue generated by supplier name and transportation modes.**



The most of revenue has generated trough the products which made by using Supplier 1's ingredients. It's transportation mode is air.

- **Count of SKU by inspection results and supplier name**



- **The sum of costs by transportation modes**

Thank You!