

# Power BI Dashboard Insights



Uploaded image

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 above is my power bi dashbaord give me insights of  
 each graph with values representations



Let's break down the insights from each graph in your Power BI Supply Chain Analysis dashboard based on the visualizations and the values represented:

## 1. Sum of Price by Inspection Results and Location

- **Graph Type:** Pie Chart
- **Insight:** This chart shows the distribution of inspection results (Pending, Fail, Pass) across different locations based on the price.
  - The largest segment is for prices with **Passed inspections**, contributing **766.6601 (15.5%)**.
  - **Pending** inspections contribute **282.7866 (5.72%)**.
  - **Failed** inspections are **214 (4%)**.
  - There are smaller segments contributing around 0.53%-6% as well.

## 2. Count of Routes and Sum of Stock Levels by Transportation Modes

- **Graph Type:** Pie Chart
- **Insight:** This graph highlights the transportation modes (Road, Rail, Air, Sea) and their share of routes and stock levels.
  - **Road** is the dominant mode with **1K routes (28.15%)** and a stock level of **33.7%**.
  - **Rail** and **Air** have stock levels of **24.3%** and **11.79%**, respectively.
  - **Sea** accounts for smaller percentages: **0.53% in routes** and **0.59% in stock levels**.

## 3. Sum of Order Quantities

- **Graph Type:** Key Figure
- **Insight:** The total number of order quantities is **4,922**, which indicates the volume of products ordered across all locations and categories.

## 4. Sum of Number of Products Sold

- **Graph Type:** Key Figure
- **Insight:** A total of **46K products** have been sold, which reflects the sales performance of the supply chain.

## 5. Sum of Manufacturing Costs

- **Graph Type:** Key Figure
- **Insight:** The total manufacturing costs stand at **4.73K**, which is crucial for understanding the expenses involved in production.

## 6. Sum of Revenue Generated

- **Graph Type:** Key Figure
- **Insight:** The total revenue generated across all locations and suppliers is **577.60K**, providing a clear picture of the overall financial performance.

## 7. Average of Defect Rates

- **Graph Type:** Key Figure
- **Insight:** The average defect rate across all inspections is **2.28%**, showing the overall quality of the products being manufactured and inspected.

## 8. Sum of Revenue Generated by Location and Supplier Name

- **Graph Type:** Stacked Bar Chart
- **Insight:** This chart breaks down revenue by both location and supplier.
  - **Mumbai** and **Kolkata** appear to generate higher revenues with contributions from multiple suppliers.
  - **Supplier 1** and **Supplier 3** seem to have the highest share in most locations.
  - Locations like **Bangalore** and **Delhi** show lower overall revenue compared to Mumbai and Kolkata.

## 9. Sum of Revenue Generated by Location

- **Graph Type:** Line Chart
- **Insight:** The revenue trend across different locations shows:
  - **Mumbai** has the highest revenue, close to **140K**.
  - **Delhi** has the lowest revenue, dropping down to **80K**, with other locations like Kolkata and Chennai showing intermediate values.

This dashboard provides a comprehensive overview of your supply chain performance, from orders and revenue to transportation modes, defect rates, and inspection outcomes. Let me know if you'd like any specific analysis or interpretation!



 Uploaded image

similarly for this



Let's break down the insights from each graph in your **Customer Behavior Analysis** dashboard:

## 1. Sum of Total Spend by Membership Type

- **Graph Type:** Bar Chart
- **Insight:** This chart highlights customer spending based on membership type.
  - **Gold members** have the highest total spend, around **150K**.
  - **Silver members** follow with approximately **100K**.
  - **Bronze members** have the lowest spend, around **50K**.
  - The insights indicate that higher-tier membership types (like Gold) are contributing significantly more to the total spend.

## 2. Sum of Items Purchased by Satisfaction Level

- **Graph Type:** Bar Chart
- **Insight:** This shows the number of items purchased by customers based on their satisfaction level.
  - Customers who are **Satisfied** purchased around **2K items**.
  - **Unsatisfied** customers purchased approximately **1.5K items**.
  - Customers who are **Neutral** purchased the least, just under **1K items**.
  - A higher satisfaction level correlates with more purchases, indicating that satisfaction plays a key role in driving sales.

## 3. Sum of Items Purchased by Age

- **Graph Type:** Donut Chart
- **Insight:** The chart breaks down the number of items purchased by different age groups.
  - The age group of **30** years old has the highest share, with **859 items (19.48%)**.
  - Other significant age groups include **31** years old with **504 items (11.43%)**, and **35** years old with **377 items (8.55%)**.
  - The age groups of **32, 27, and 43** years also contribute, but to a lesser extent.
  - **Younger age groups** seem to be driving the most purchases.

## 4. Sum of Total Spend and First City

- **Graph Type:** Pie Chart
- **Insight:** This chart displays the total spend by the first city recorded in the data.
  - The total spend amounts to **295.88K** in the first city, and **591.77K** overall.
  - This gives insight into how much the top city is contributing to the overall revenue.

## 5. Sum of Items Purchased

- **Graph Type:** Key Figure
- **Insight:** The total number of items purchased across all categories is **4,410**. This key figure represents overall customer activity and purchase behavior.

## 6. Sum of Age and Sum of Items Purchased by Satisfaction Level

- **Graph Type:** Pie Chart
- **Insight:** The chart breaks down satisfaction levels by age, indicating the number of items purchased.
  - **Satisfied** customers have the largest share, with **4K purchases (25.46%)**.
  - **Neutral** and **Unsatisfied** customers contribute significantly less, with around **2K purchases (13.39%)** and **1K purchases (6.25%)**, respectively.
  - The higher satisfaction levels correlate with more purchases, as seen in other insights.

## 7. Count of Membership Type by Average Rating and Gender

- **Graph Type:** Clustered Bar Chart
- **Insight:** This chart shows the distribution of membership types by gender and their average rating.
  - **Females** seem to have a higher count of memberships with average ratings around **4.0**.
  - **Males** have a more distributed presence across all rating levels, particularly around **4.5 and 5.0**.
  - The overall insight indicates that **females** tend to give more middle-to-high ratings, while **males** lean towards the extremes.

This dashboard provides a comprehensive analysis of customer behavior, showing the relationships between satisfaction, spending, age, and membership types. Let me know if you'd like to dive deeper into any specific area or graph!



 Uploaded image

for this also



Let's analyze the insights from each graph in your **HR Analytics Dashboard**:

### 1. Count of Employee

- **Graph Type:** Key Figure
- **Insight:** The total number of employees is **1,470**.

### 2. Attrition

- **Graph Type:** Key Figure
- **Insight:** The number of employees who have left (attrition) is **237**, which contributes to an overall **Attrition Rate** of **16.1%**.

### 3. Attrition Rate

- **Graph Type:** Key Figure
- **Insight:** The company has an attrition rate of **16.1%**, meaning this percentage of employees has left the organization.

### 4. Avg Age

- **Graph Type:** Key Figure
- **Insight:** The average age of employees in the organization is **37 years**.

### 5. Avg Salary

- **Graph Type:** Key Figure
- **Insight:** The average salary in the organization is **6.5K** (currency not specified).

## 6. Avg Years

- **Graph Type:** Key Figure
- **Insight:** The average tenure (years at the company) is **7 years**.

## 7. Attrition by Gender

- **Graph Type:** Bar Chart
- **Insight:** The majority of the employees leaving the company are **Male (140)** compared to **Female (79)**, highlighting a gender disparity in attrition.

## 8. Attrition by Education

- **Graph Type:** Donut Chart
- **Insight:** Attrition is highest among employees with:
  - **Life Sciences degrees (38%)**.
  - Followed by **Medical (27%)**, **Marketing (15%)**, and **Technical Degrees (14%)**.
  - Employees with **Other** degrees contribute to a small percentage of attrition at **5%**.

## 9. Attrition by Age

- **Graph Type:** Bar Chart
- **Insight:** The highest attrition rate is among employees aged **26-35 years** with **116** employees leaving.
  - The next highest group is **18-25 years** with **44**, and **36-45 years** with **43** employees.
  - **Older employees (55+)** have the least attrition, with only **8** employees leaving.

## 10. Attrition by Salary

- **Graph Type:** Bar Chart
- **Insight:** Most of the employees who left were earning **up to 5K** with **163** employees leaving.
  - Fewer employees in the **5K-10K** range left, with **49**, followed by **20** employees in the **10K-15K** range.
  - Only **5** employees earning over **15K** have left.

## 11. Attrition by Years at Company

- **Graph Type:** Line Chart
- **Insight:** The highest attrition occurs for employees with **1 year** at the company, with **59** leaving.
  - There's a significant drop-off for employees with **2-3 years** of tenure, and it stays relatively stable, until **10 years** where attrition spikes again at **18 employees**.

## 12. Attrition by Job Role

- **Graph Type:** Bar Chart
- **Insight:** The **Laboratory Technician** role has the highest attrition with **62** employees leaving, followed by **Sales Executives (57)**.
  - **Research Scientists** and **Sales Representatives** have also seen notable attrition, with **47** and **33** employees leaving, respectively.

## 13. Attrition by Job Role Table

- **Graph Type:** Table
- **Insight:** This provides a detailed breakdown of the number of employees leaving by each job role and their years at the company. Notable points:
  - **Sales Executive** has seen **57** employees leaving, distributed across 1-4 years.
  - **Laboratory Technicians** have seen **62** employees leaving, with a large portion (20) leaving in their second year.

This dashboard provides comprehensive insights into the attrition patterns within the organization, showing how factors like gender, age, salary, education, job role, and tenure are contributing to employee turnover. Let me know if you'd like further analysis or specific recommendations!

ChatGPT can make mistakes. Check important info.