



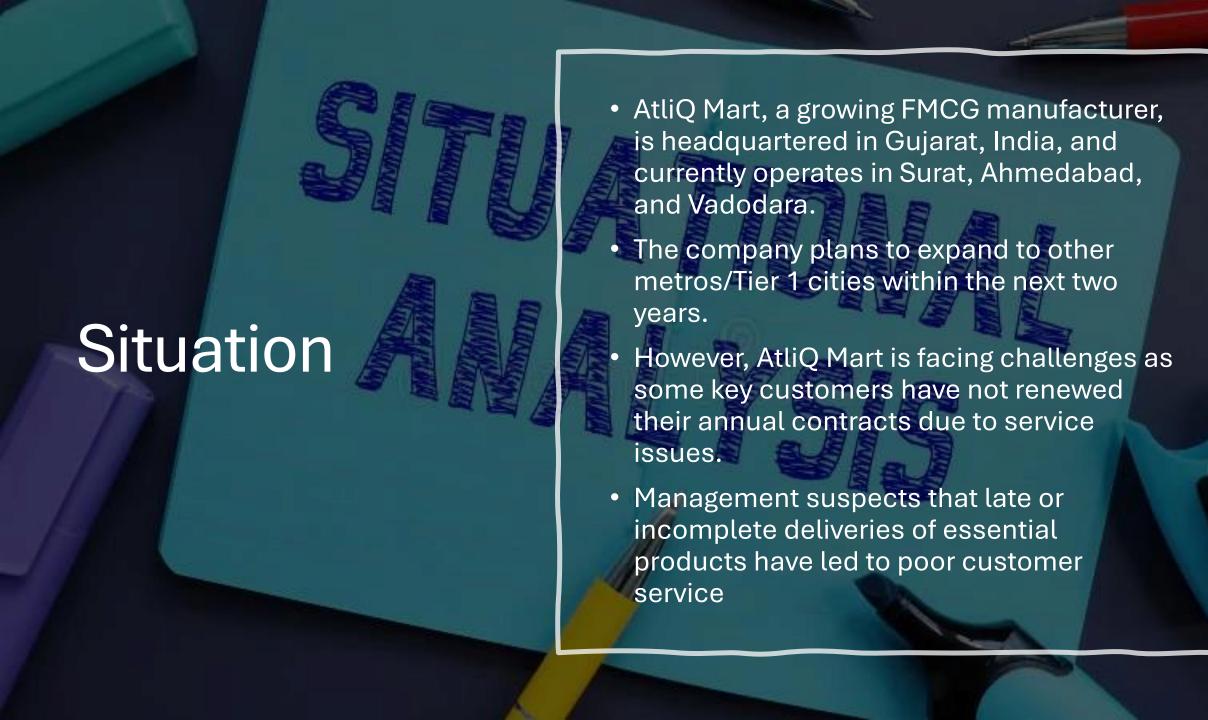
Introduction



Fast Moving Consumer Goods (FMCG) refer to products that are sold quickly at relatively low cost. These goods are essential items that people use on a daily or frequent basis, such as food and beverages, personal care products, household cleaning products, and over-the-counter medicines.



AtliQ Mart, an FMCG manufacturer in Gujarat, India, is addressing service issues before expanding to new cities.





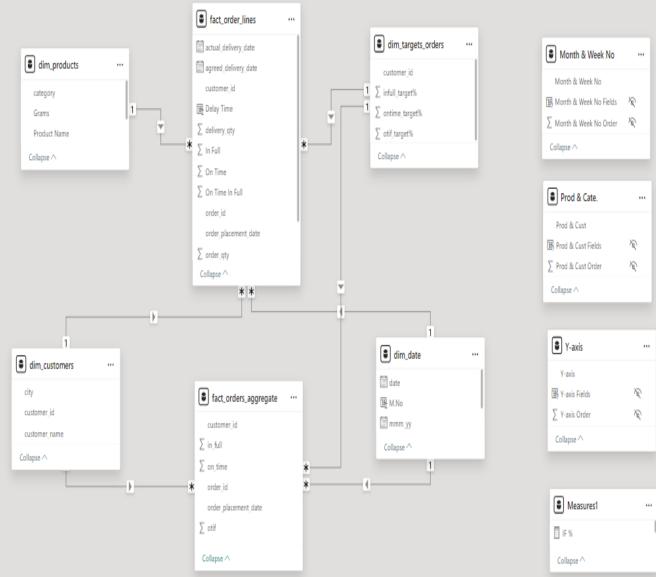
Task

- Peter Pandey, a new data analyst in the supply chain team, has been assigned the task of tracking delivery performance metrics daily.
- He needs to create metrics including 'On-time delivery (OT) %,' 'In-full delivery (IF) %,' and 'On-Time In-Full (OTIF) %' against set targets for each customer.
- Additionally, Peter is tasked with developing a dashboard based on stakeholder requirements outlined in the business review meeting.



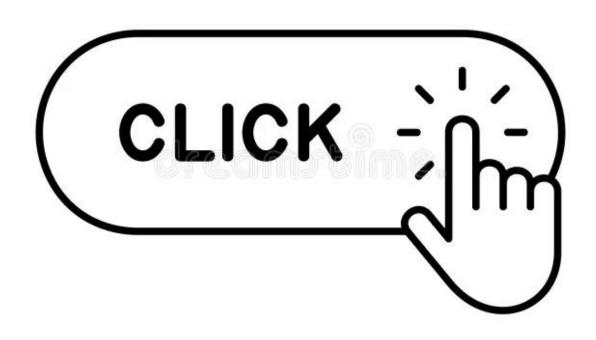
Data Modeling

- Unified View: Data modeling in Power BI provides a unified view of data from multiple sources, enhancing analysis and decision-making.
- Efficiency: It improves efficiency by optimizing query performance, ensuring faster data processing and visualization.
- Data Integrity: Data modeling ensures data integrity and consistency, fostering trust in the insights derived from Power BI reports.





Move to Dashboard





- Key metrics (OT%, IF%, OTIF%) consistently fall below their targets in recent months.
- LIFR% and VOFR% remain relatively stable across all months, indicating consistent performance in these areas.
- Lotus Mart consistently generates the highest number of orders, while Viveks Stores consistently have the lowest order volume.
- The highest quantity of undelivered items was observed in May, totaling 78.39 k units.
- Despite efforts, there's been no observable improvement in key metrics recently.
- AM Milk Product stands out with both the highest order volume and the highest delay time.

