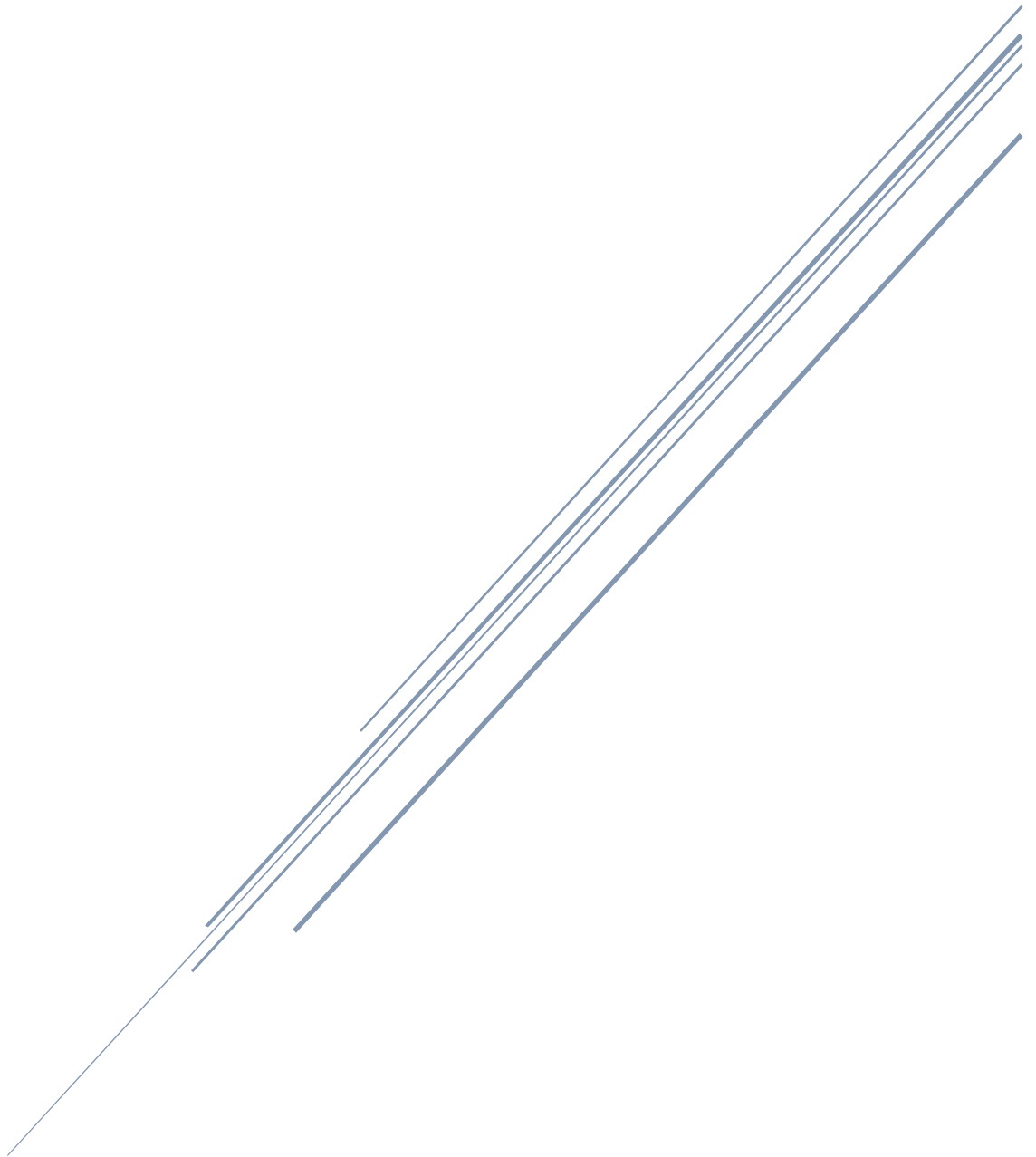


# GDS DASHBOARD DOCUMENTATION

Anubal

Team - Data Detective

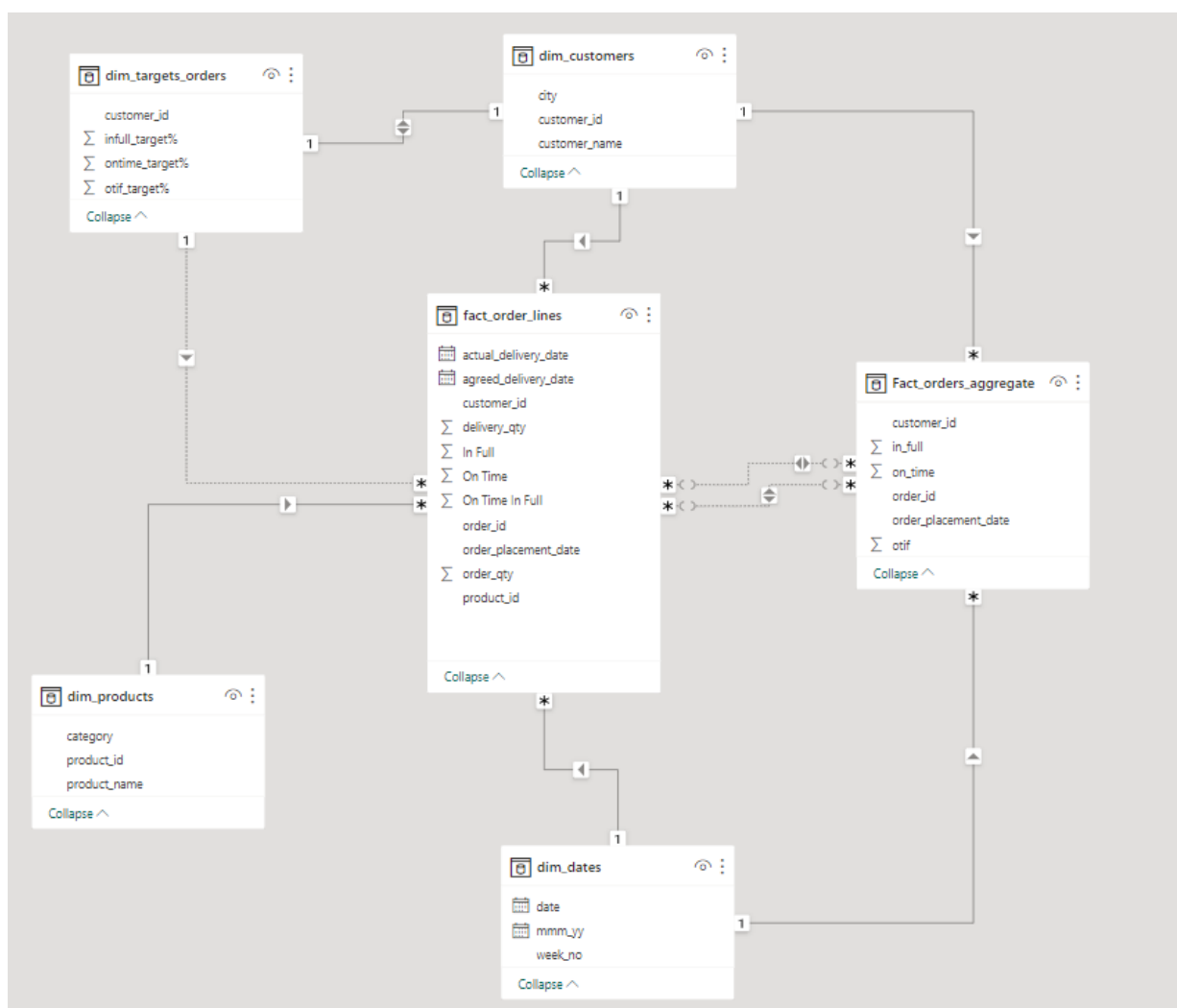


## Problem Statement:

GDS Mart is a growing FMCG manufacturer headquartered in Gujarat, India. It is currently operational in three cities Surat, Ahmedabad and Vadodara. They want to expand to other metro/tier1 cities in the next 2 years.

GDS Mart is currently facing a problem where a few key customers have not extended the annual contract due to service issues. It is speculated that some of the essential products were either not delivered on time or not delivered in full over a continued period, which could have resulted in bad customer service. Management wants to fix this issue before expanding to other cities and requested their supply chain analytics team to track the 'On time' and 'In Full' delivery service level for all the customers on a daily basis so that they can respond swiftly to these issues.

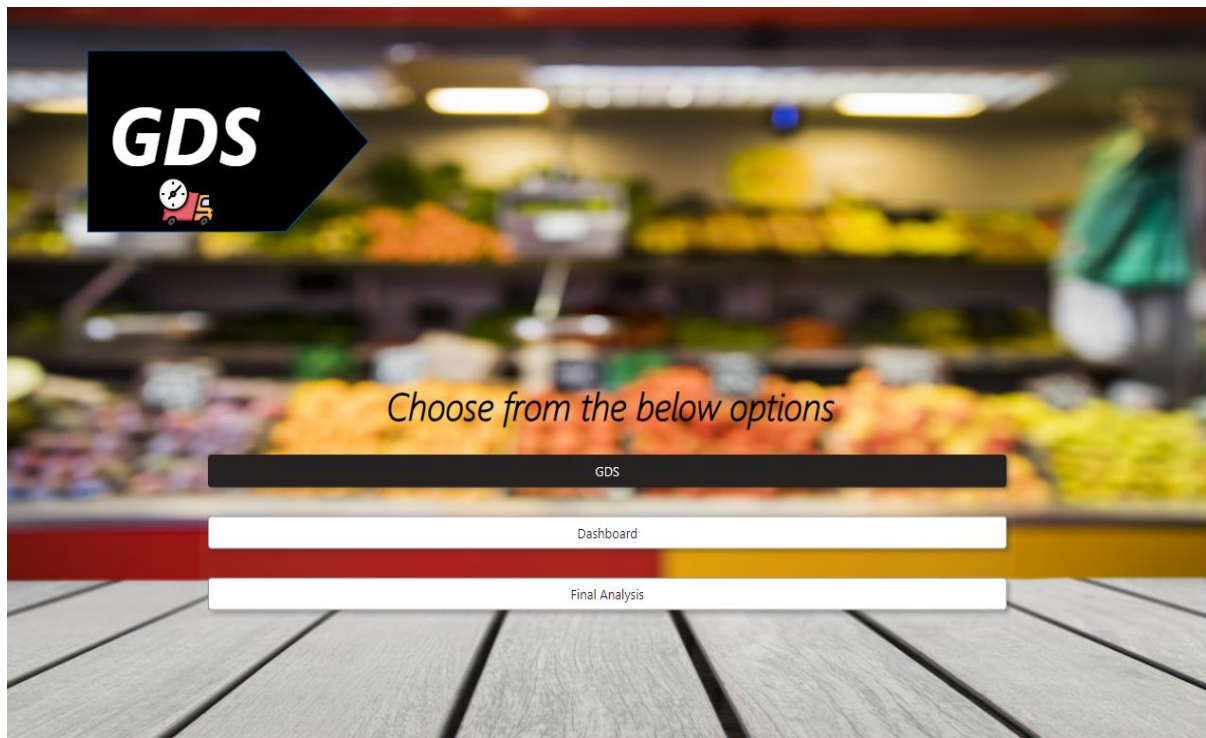
## Architecture:



**DAX Created:**

Measure	DAX
Total Order lines	Total Order lines = <code>COUNTROWS(fact_order_lines)</code>
LIFR %	LIFR % = <code>divide([FullquantityShipmentcount],[Total Order lines])</code>
Total Quantity delivered	Total Quantity delivered = <code>sum(fact_order_lines[delivery_qty])</code>
Total Quantity ordered	Total Quantity ordered = <code>sum(fact_order_lines[order_qty])</code>
VOFR %	VOFR % = <code>DIVIDE([Total Quantity delivered],[Total Quantity ordered])</code>
Total orders	Total orders = <code>COUNTROWS(Fact_orders_aggregate)</code>
IF %	IF % = <code>DIVIDE([Orders delivered in full quantity],[Total orders])</code>
Orders delivered in full quantity	Orders delivered in full quantity = <code>sum(Fact_orders_aggregate[in_full])</code>
Orders Delivered On Time	Orders_DeliveredOn_Time = <code>sum(Fact_orders_aggregate[on_time])</code>
OT %	OT % = <code>DIVIDE([Orders_DeliveredOn_Time],[Total orders])</code>
OTIF %	OTIF % = <code>DIVIDE([Orders Delivered_full and on time],[Total orders])</code>
Total orders	Total orders = <code>COUNTROWS(Fact_orders_aggregate)</code>
Avg in full (IF) target	Avg in full(IF) target = <code>AVERAGE(dim_targets_orders[infull_target%])</code>
Avg On time (OT) target	Avg On time(OT) target = <code>AVERAGE(dim_targets_orders[ontime_target%])</code>
Avg OTIF Target	Avg OTIF Target = <code>AVERAGE(dim_targets_orders[otif_target%])</code>

## Dashboard Overview:

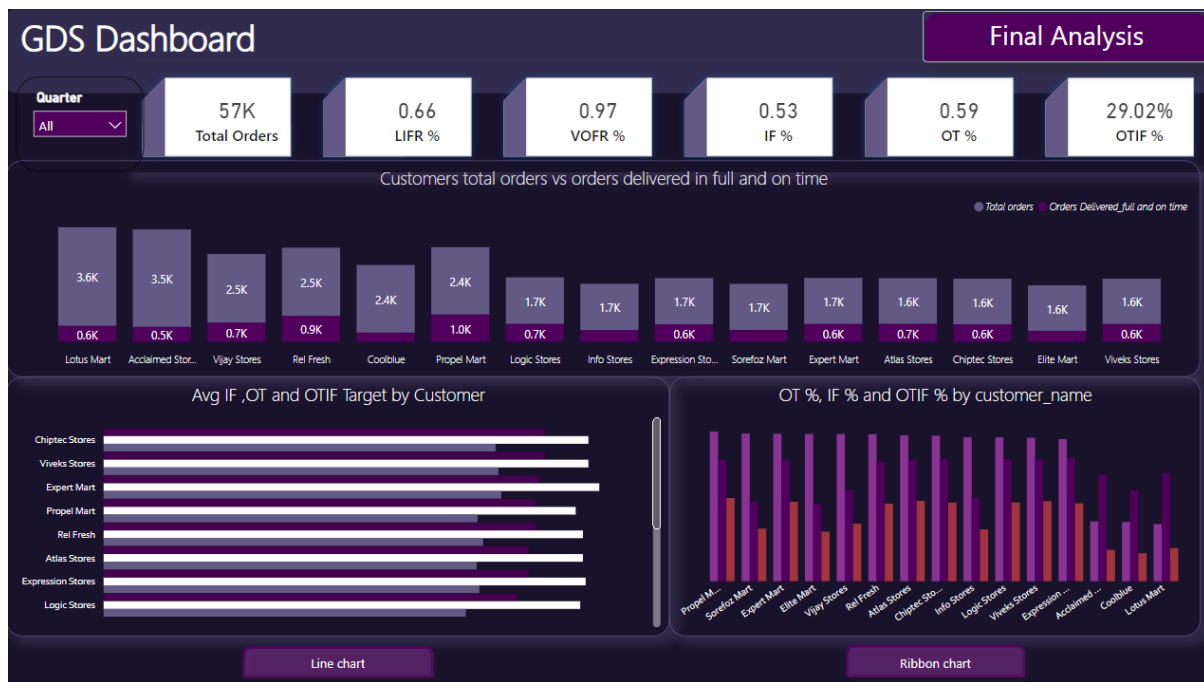


This page serves as the home page of the GDS Dashboard, serving as a gateway to our data analysis and insights platform. Here, you will find the distinctive GDS company logo meticulously crafted using a combination of shapes, alongside two thoughtfully chosen images – one gracing the canvas background and the other seamlessly integrated into our corporate insignia.

The interface boasts three navigation buttons for your convenience. The prominently displayed GDS logo, presented in a distinguished black hue, signifies your current location within the GDS home page. Complementing this is a pair of sleek white buttons, granting access to our Dashboard.

The navigation buttons are created using buttons and giving navigation actions to it, selecting the destination pages.

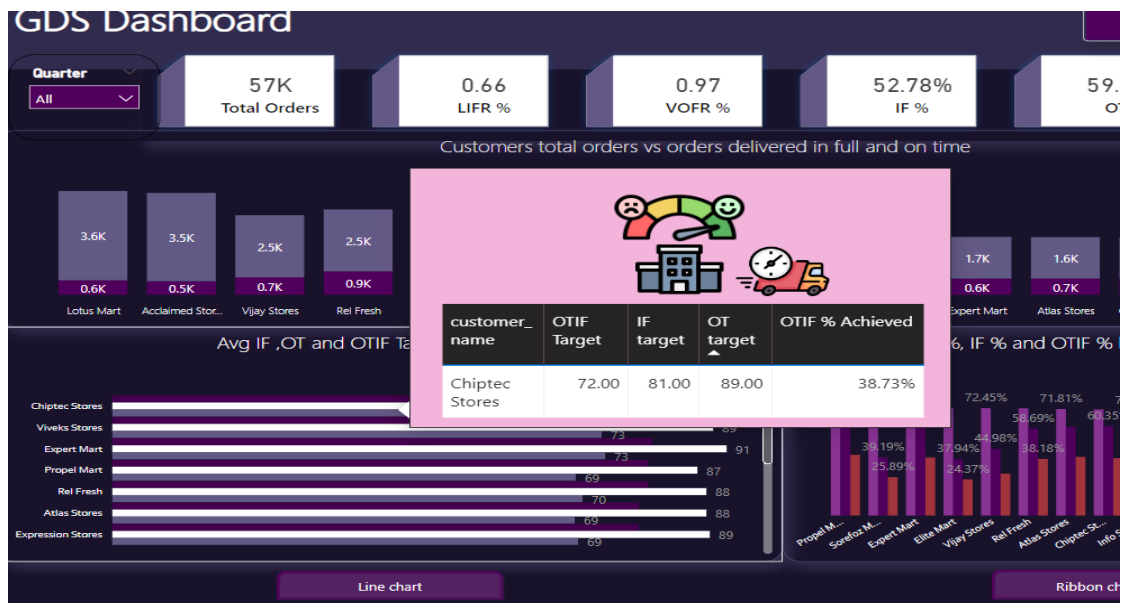
We can go to our dashboard page or directly to the final analysis page by navigating through the buttons.



By clicking the Dashboard button from Home page, we will be directed to this GDS Dashboard page.

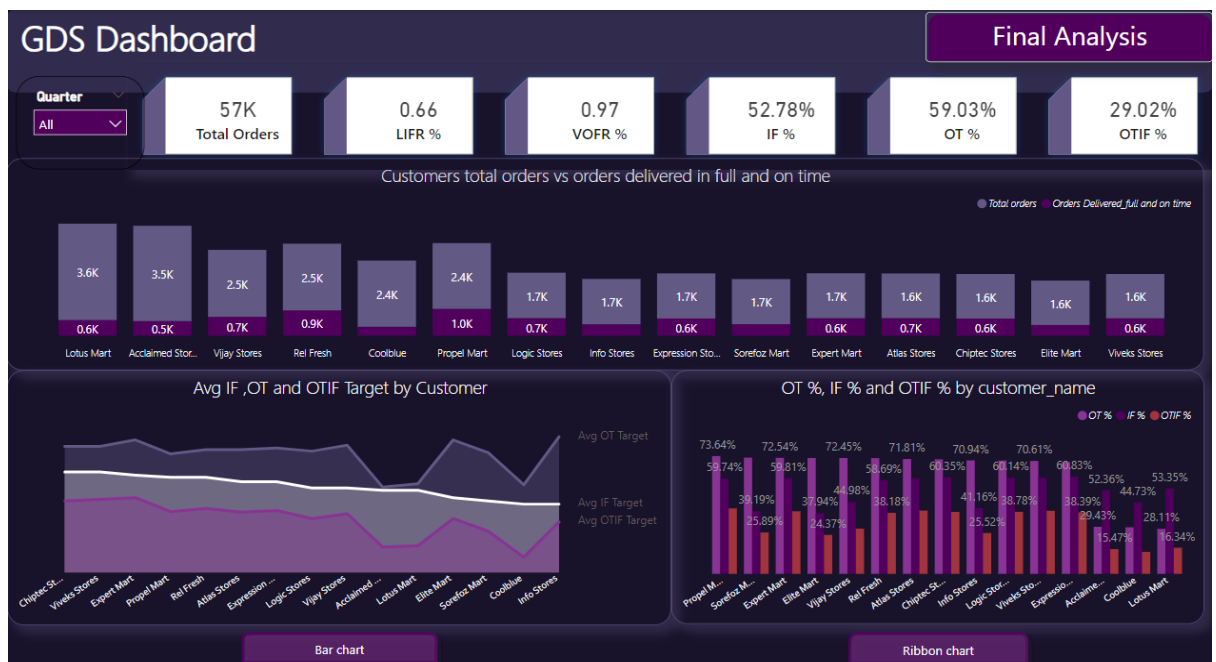
This Dashboard contains Cards which clearly shows our key metrics:

1. Total Orders
  2. LIFR%
  3. VOFR%
  4. IF%
  5. OT%
  6. OTIF%
- Final Analysis button on the top right corner is a navigation button to the final analysis page from the dashboard page.
  - A Quarter slicer is included to slice the data's and to receive insights based on the quarterly performance.
  - A Stacked column chart depicting Customers total orders vs Orders delivered in Full and On time will be really helpful in getting information on what is the actual performance and customer satisfaction GDS is actually providing.
    - X axis: customer name
    - Y axis: Total orders, Orders Delivered full and on time
  - Bottom left side, A clustered bar chart is used, which shows the average IF, OT and OTIF target percentage's average across each customer.
    - A tool tip is enabled here



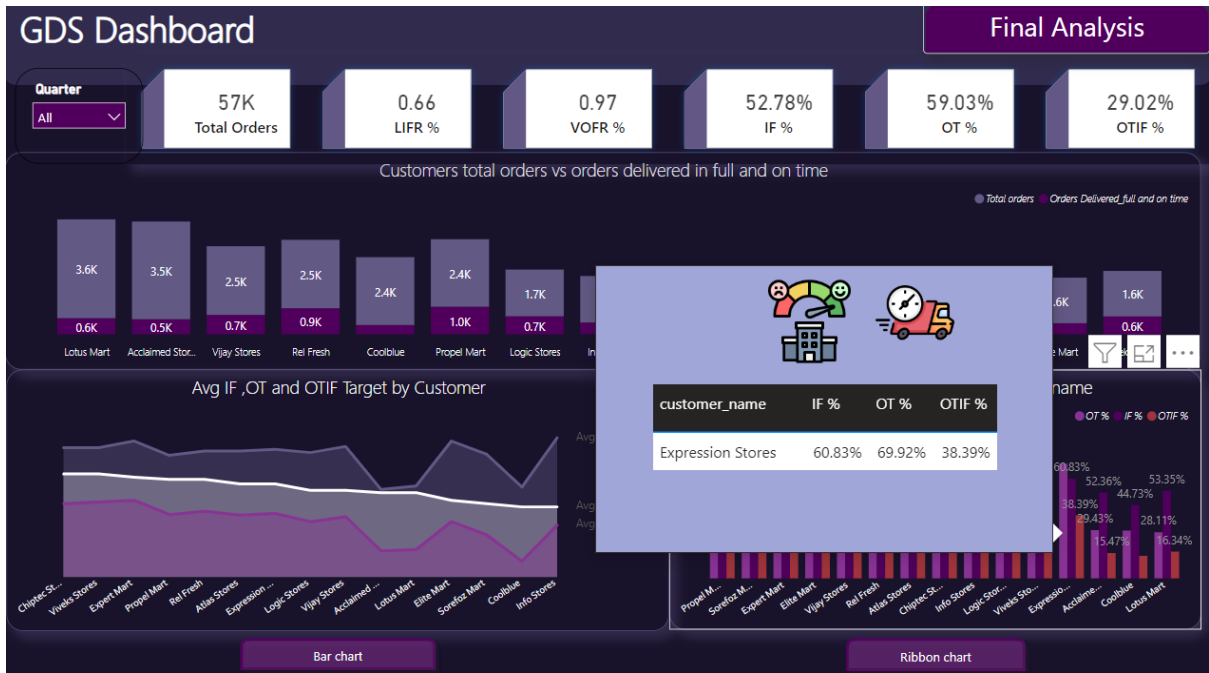
The tool tip will help us getting more knowledge on the assigned targets for each of the customers and along with it we can see the percentage of OTIF achieved as well, giving us a comprehensive idea on the target achievement and the performance of GDS.

- A special option to the user is provided to the user by making use of bookmarks in power bi, enabling 2 views in the same page.
- The button line chart in the left bottom is an action button which will get a line chart view instead of this clustered bar chart.



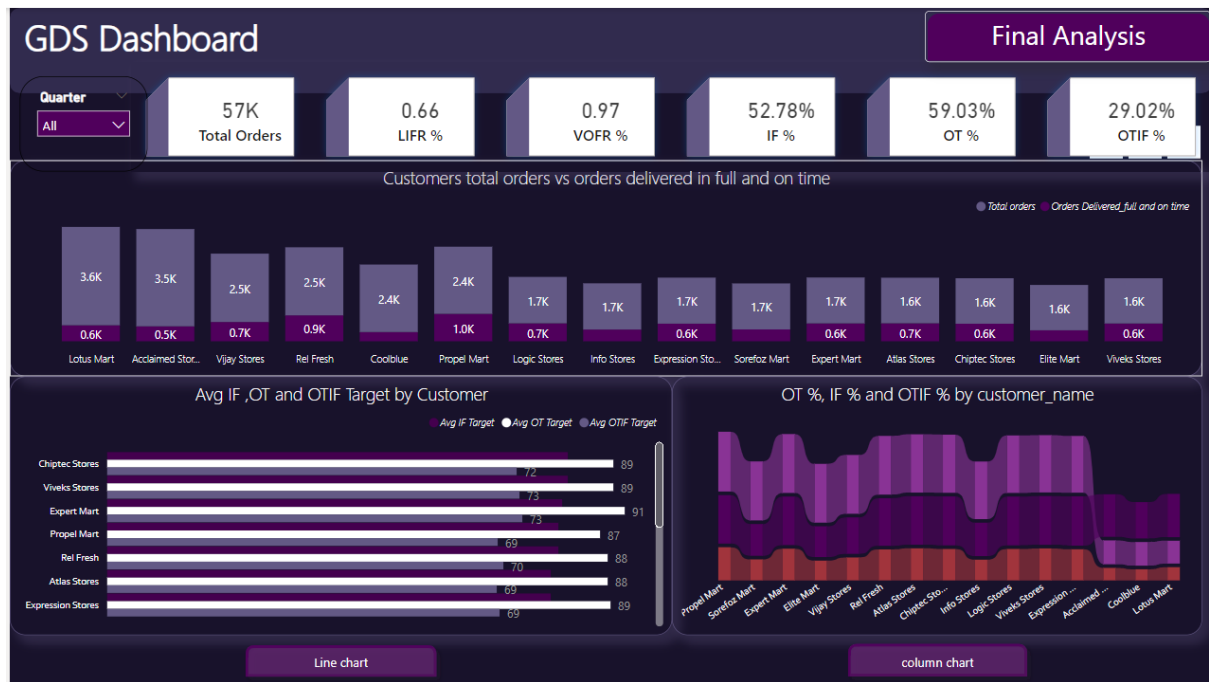
- The button Bar chart now showing in the bottom instead of line chart earlier will get back to the previous view as well.

- The figure in the bottom right is showing a clustered column chart with the OT, IF, OTIF%, which will give a comprehensive view on what is the exact percentage values achieved for each of the customers.

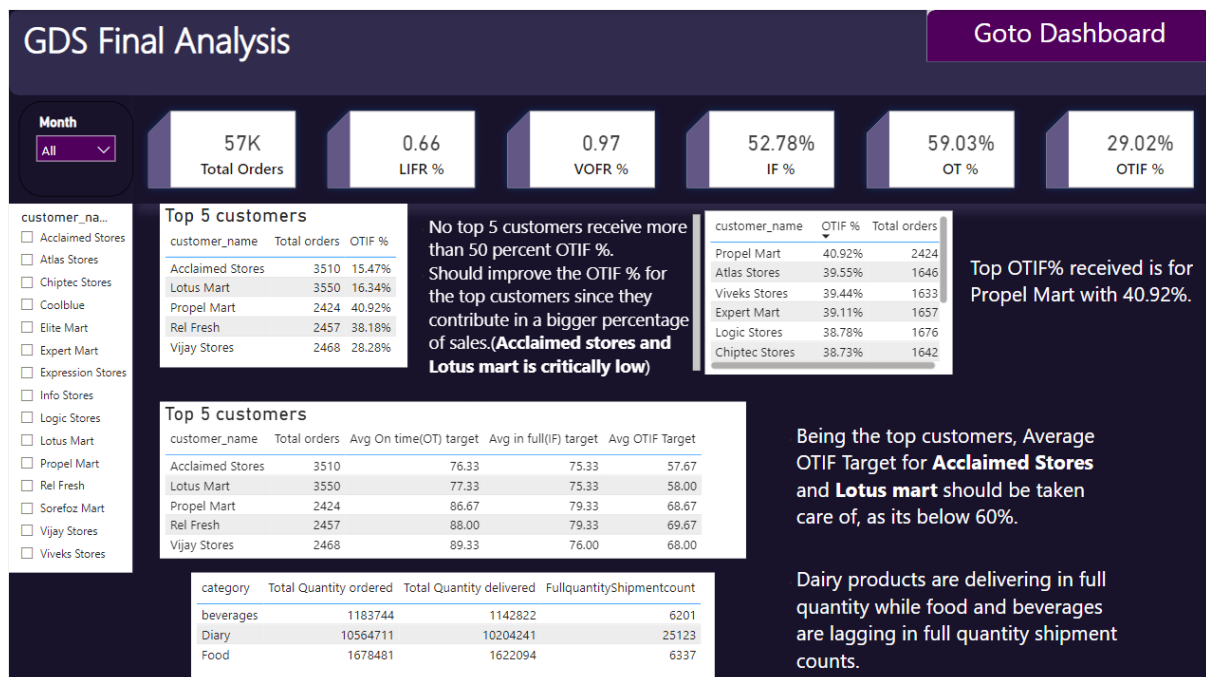


A tool tip is enabled to get a detailed view on the percentage values.

- Again a another view option is given to select in the right bottom to get a ribbon chart instead of the bar chart, achieved by using bookmarks and action buttons are used.



\_ Lastly the Final Analysis navigation button in the top right corner, which will navigate to the final analysis page.



The Final analysis dashboard contains a detailed table views which depicts the top 5 customers, their total orders and the respective OTIF% will gives us a detailed view on our service to our top customers.

- The insights drawn are mentioned as well.
- Top OTIP% achieved and the list is depicted.
- Category wise order count listed using table visualization option.
- And a filter to select both months and for individual analysis a filter to select customer names is also enabled.
- Goto Dashboard button in the top can get us back to the dashboard page as well.