



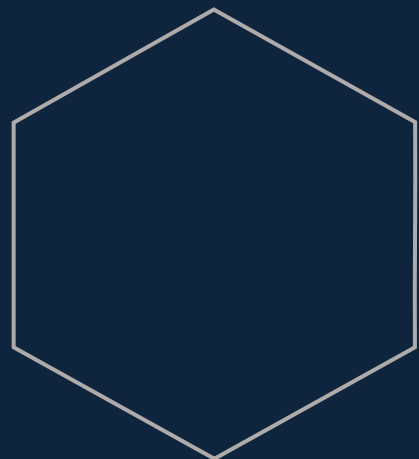
ATLIQ MART

“Your One-Stop Shop for Exceptional Quality and Unmatched Convenience !”

Enhancing Sales
Effectiveness: Conducting
a Comprehensive
Promotion Analysis to
Deliver Actionable Insights
to the Sales Director.



Presented by :
Pooja Poundkar



AGENDA

Presentation Title



INTRODUCTION

- ❖ AtliQ Mart, with its 50 stores across major cities like Bengaluru, Chennai, Hyderabad, Mysuru and more, offered great discounts on AtliQ branded products during Diwali 2023 and Sankranti 2024.
- ❖ The festive seasons of Diwali 2023 and Sankranti 2024 saw AtliQ Mart's 50 retail outlets host a huge promotion, making quality products more accessible to customers.



PROBLEM STATEMENT :



AtliQ Mart, a leading retail chain with 50 outlets across southern India, ran substantial Diwali 2023 and Sankranti 2024 promotions on their AtliQ brand.



The Sales Director needs a thorough evaluation to differentiate successful promotions from those that underperformed.



The aim is to pinpoint effective strategies and refine future promotional campaigns for optimum results.

A decorative graphic on the left side of the slide featuring several hexagons. There is a large orange hexagon in the center, a smaller light blue hexagon above it, a white outline hexagon to its left, and a small orange hexagon below it.

ANALYSIS GOALS :

- Generate SQL-based reports to address critical business inquiries posed by senior executives.
- Develop a dashboard showcasing key performance indicator (KPI) metrics and evaluate performance.
- Produce a presentation and present findings to the Sales Director.

AD-HOC BUSINESS REQUESTS

|



1. Provide a list of products with a base price greater than 500 and that are featured in promo type of 'BOGOF' (Buy One Get One Free). This information will help us identify high-value products that are currently being heavily discounted, which can be useful for evaluating our pricing and promotion strategies

```
select
p.product_name,f.product_code,f.base_price,f.promo_type
from dim_products p
join fact_events f
on p.product_code=f.product_code
where f.base_price>500 AND f.promo_type="BOGOF";
```

	product_name	product_code	base_price	promo_type
►	Atliq_Double_Bedsheet_set	P08	1190	BOGOF
	Atliq_waterproof_Immersion_Rod	P14	1020	BOGOF
	Atliq_Double_Bedsheet_set	P08	1190	BOGOF
	Atliq_waterproof_Immersion_Rod	P14	1020	BOGOF
	Atliq_Double_Bedsheet_set	P08	1190	BOGOF
	Atliq_Double_Bedsheet_set	P08	1190	BOGOF



At AtliQ Mart, the Double Bedsheet Set (₹1190) and Waterproof Immersion Rod (₹1020) are stand-out high-value products, presently being offered with substantial discounts through 'BOGOF' promotions.

2. Generate a report that provides an overview of the number of stores in each city. The results will be sorted in descending order of store counts, allowing us to identify the cities with the highest store presence. The report includes two essential fields: city and store count, which will assist in optimizing our retail operations.

```
select  
city, count(distinct store_id) as store_counts  
from dim_stores  
group by city  
order by store_counts desc ;
```

	city	store_counts
►	Bengaluru	10
	Chennai	8
	Hyderabad	7
	Coimbatore	5
	Visakhapatnam	5
	Madurai	4
	Mysuru	4
	Mangalore	3
	Trivandrum	2
	Vijayawada	2



Bengaluru, Chennai, and Hyderabad, the top three cities, collectively account for 50% of the total stores in the southern region of India.

3. Generate a report that displays each campaign along with the total revenue generated before and after the campaign?

The report includes three key fields: campaign name, total revenue(before_promotion), total revenue(after promotion).

This report should help in evaluating the financial impact of our promotional campaigns. (Display the values in millions)

```
WITH PromoPrices AS (  
  SELECT fe.*,  
  CASE  
    WHEN fe.promo_type = '50% OFF' THEN fe.base_price * 0.5  
    WHEN fe.promo_type = '33% OFF' THEN fe.base_price * 0.67  
    WHEN fe.promo_type = '25% OFF' THEN fe.base_price * 0.75  
    WHEN fe.promo_type = '500 Cashback' THEN fe.base_price - 500  
    WHEN fe.promo_type = 'BOGOF' THEN fe.base_price / 2  
    ELSE fe.base_price  
  END AS promo_price  
  FROM  
    fact_events fe  
)  
SELECT  
  dc.campaign_name,  
  ROUND(SUM(f.`quantity_sold(before_promo)` * f.base_price) / 1000000, 2) AS total_revenue_before_promotion,  
  ROUND(SUM(f.`quantity_sold(after_promo)` * p.promo_price) / 1000000, 2) AS total_revenue_after_promotion  
FROM   dim_campaigns dc  
JOIN fact_events f ON dc.campaign_id = f.campaign_id  
JOIN   PromoPrices p ON p.event_id = f.event_id  
GROUP BY   dc.campaign_name;
```

	campaign_name	total_revenue_before_promotion	total_revenue_after_promotion
▶	Sankranti	58.13	87.70
	Diwali	82.57	160.29



- 1. In the Diwali campaign, the total revenue soared from 83M to 207M post-promotion, signifying an impressive 151% surge.
- 2. During the Sankranti campaign, the total revenue surged from 58M to 140M after the promotion, demonstrating a notable 141% increase.

4. Produce a report that calculates the Incremental Sold Quantity (ISU%) for each category during the Diwali campaign. Additionally, provide rankings for the categories based on their ISU%. The report will include three key fields: category, isu%, and rank order. This information will assist in assessing the category-wise success and impact of the Diwali campaign on incremental sales.

```
SELECT
p.category,
((SUM(f.`quantity_sold(after_promo)`)-
SUM(f.`quantity_sold(before_promo)`))/SUM(f.`quantity_sold(before_promo)`)) * 100) AS ISU_percentage ,
RANK()
OVER (ORDER BY((SUM(f.`quantity_sold(after_promo)`)-SUM(f.`quantity_sold(before_promo)`)) /
SUM(f.`quantity_sold(before_promo)`)) * 100) DESC) AS Rank_order
FROM dim_products p
JOIN fact_events f
ON p.product_code = f.product_code
WHERE f.campaign_id = 'CAMP_DIW_01'
GROUP BY p.category
ORDER BY ISU_percentage DESC;
```

	category	ISU_percentage	Rank_order
▶	Home Appliances	244.2256	1
	Combo1	202.3584	2
	Home Care	79.6338	3
	Personal Care	31.0574	4
	Grocery & Staples	18.0478	5



1. Home appliances experienced the highest Incremental Sold Quantity (ISU%) of 244%, indicating that products in this category were particularly popular during the Diwali campaign.
2. The top three categories based on ISU% are home appliances, combo 1, and home care, with impressive increases of 244%, 202%, and 79%, respectively.

5. Create a report featuring the Top 5 products, ranked by Incremental Revenue Percentage (IR%), across all campaigns.

The report will provide essential information including product name, category, and ir%.

This analysis helps identify the most successful products in terms of incremental revenue across our campaigns, assisting in product optimization.

```
SELECT
p.product_name, p.category,
round((
(SUM(f.base_price * f.`quantity_sold(after_promo)` - SUM(f.base_price * f.`quantity_sold(before_promo)`)) /
SUM(f.base_price * f.`quantity_sold(before_promo)`))
) * 100 ,2) AS IR_percentage
FROM
dim_products p
JOIN
fact_events f
ON p.product_code = f.product_code
GROUP BY
p.product_name, p.category
ORDER BY
IR_percentage DES
LIMIT 5;
```

	product_name	category	IR_percentage
▶	Atliq_waterproof_Immersion_Rod	Home Appliances	266.19
	Atliq_High_Glo_15W_LED_Bulb	Home Appliances	262.98
	Atliq_Double_Bedsheet_set	Home Care	258.27
	Atliq_Curtains	Home Care	255.34
	Atliq_Home_Essential_8_Product_Combo	Combo1	183.33

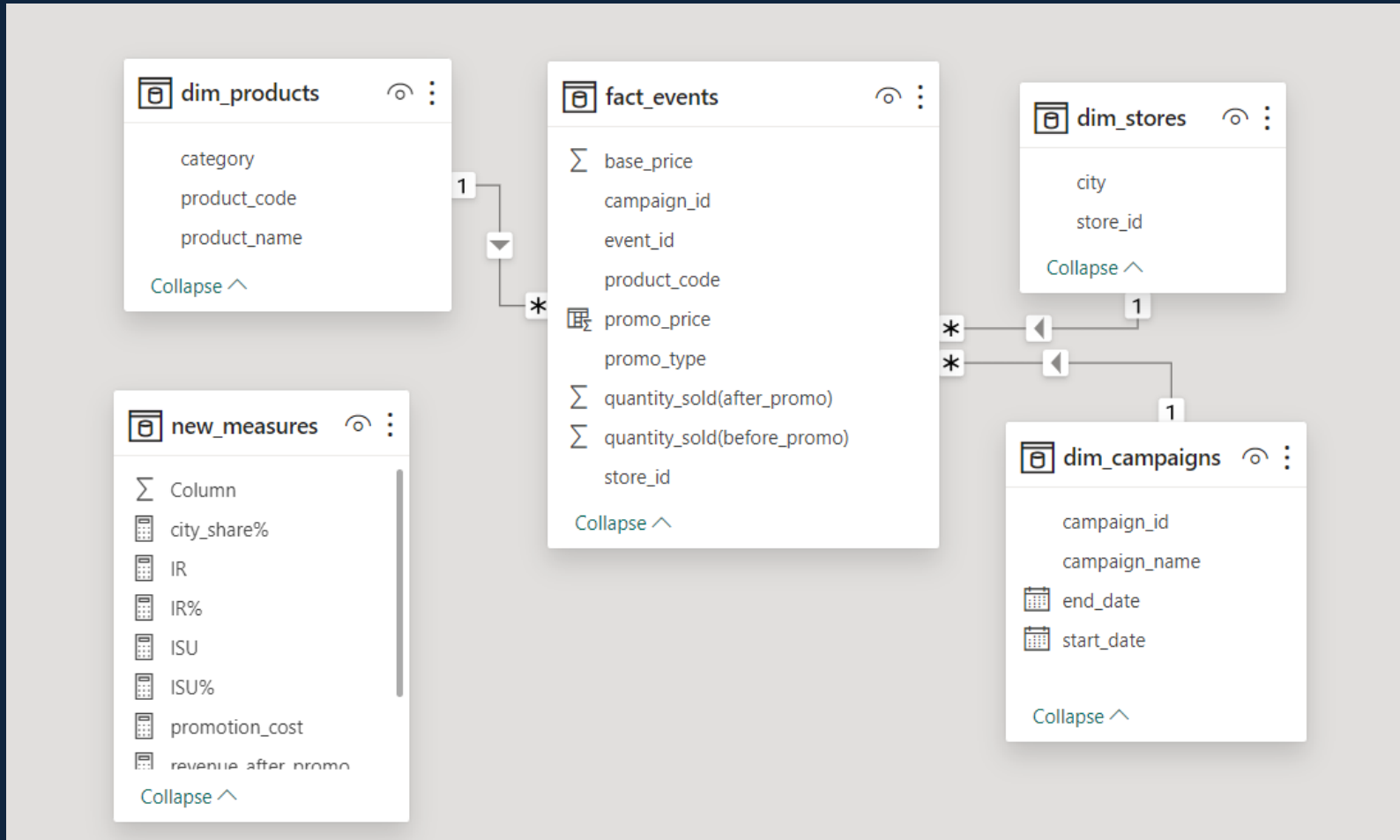


Waterproof Immersion Rod, LED Bulb, Bedsheet Set, Curtains, and Home Essential Product Combo have ranked as the top five products based on their Incremental Revenue Percentage (IR%) across all campaigns at AtliQ Mart.

DASHBOARD FOR ATLIQ MART



DATA MODEL VIEW





Diwali

Sankranti

STORE PERFORMANCE

city

All

category

All

Revenue before Promotion

141M

Revenue after promotion

247.98M

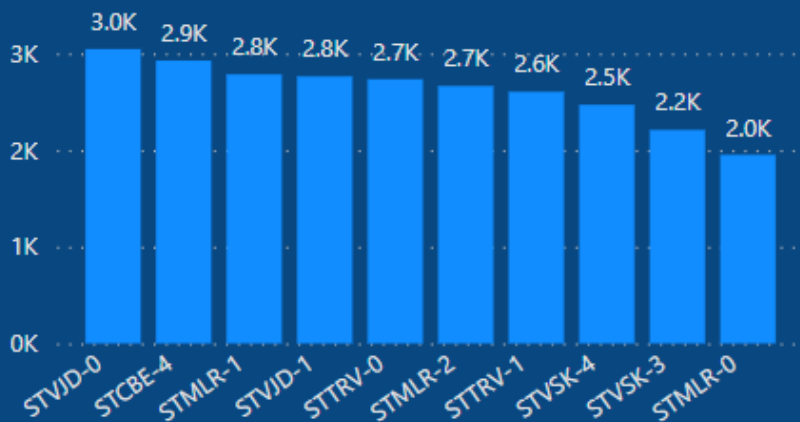
IR %

76.25%

ISU %

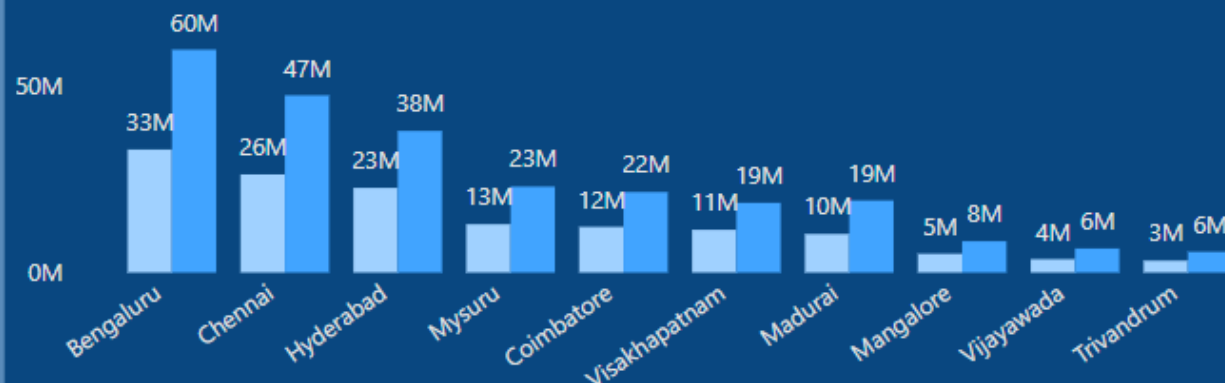
108.31%

Bottom 10 Stores by ISU



revenue before promotion and revenue after promotion by city

● revenue_before_promotion ● revenue_after_promo



Top 10 stores by IR



Promotion impact by city

city	IR%	ISU%	city_share%	total_revenue	quantity_before	quantity_after
Trivandrum	73.44%	110.43%	1.43%	8.8M	10170	4833
Vijayawada	79.58%	109.67%	1.66%	10.0M	11106	5297
Mangalore	66.79%	98.29%	2.16%	13.4M	14929	7529
Madurai	86.81%	115.58%	4.97%	29.6M	31169	14458
Visakhapatnam	63.02%	97.47%	4.80%	30.1M	33916	17175
Coimbatore	76.10%	114.33%	5.54%	33.8M	38900	18150
Bengaluru	77.70%	104.70%	5.92%	36.0M	37470	18560
Chennai	73.70%	109.67%	4.97%	26.0M	26169	12858
Hyderabad	73.70%	109.67%	4.97%	23.0M	23169	10858
Mysuru	73.70%	109.67%	4.97%	13.0M	13169	6058
Coimbatore	76.10%	114.33%	5.54%	33.8M	38900	18150
Visakhapatnam	63.02%	97.47%	4.80%	30.1M	33916	17175
Madurai	86.81%	115.58%	4.97%	29.6M	31169	14458
Mangalore	66.79%	98.29%	2.16%	13.4M	14929	7529
Vijayawada	79.58%	109.67%	1.66%	10.0M	11106	5297
Trivandrum	73.44%	110.43%	1.43%	8.8M	10170	4833
Total	76.25%	108.31%	63.80%	388.7M	435473	209050



Diwali

Sankranti

PROMOTION TYPE

City

All

Category

All

Qty sold before
promotion

209K

Qty sold after
promotion

435K

Revenue before
promotion

141M

Revenue after
promotion

247.98M

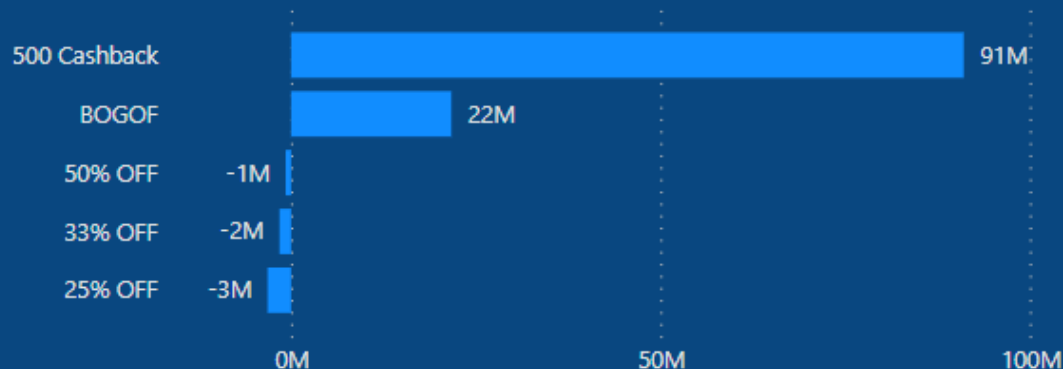
IR %

76.25%

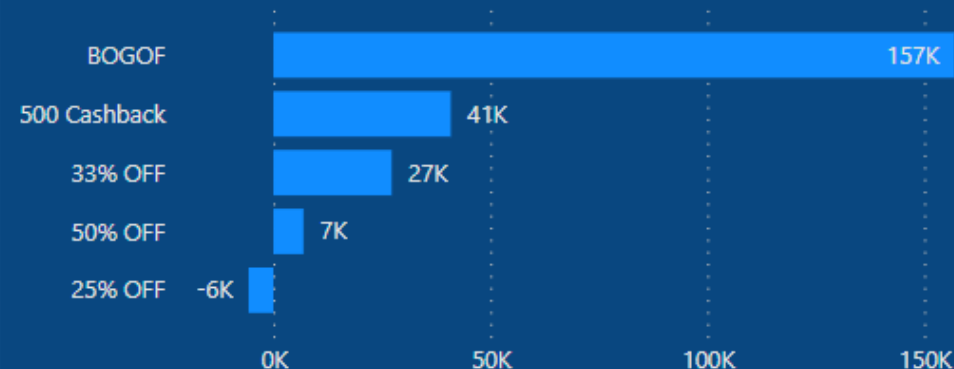
ISU %

108.31...

IR by promo_type

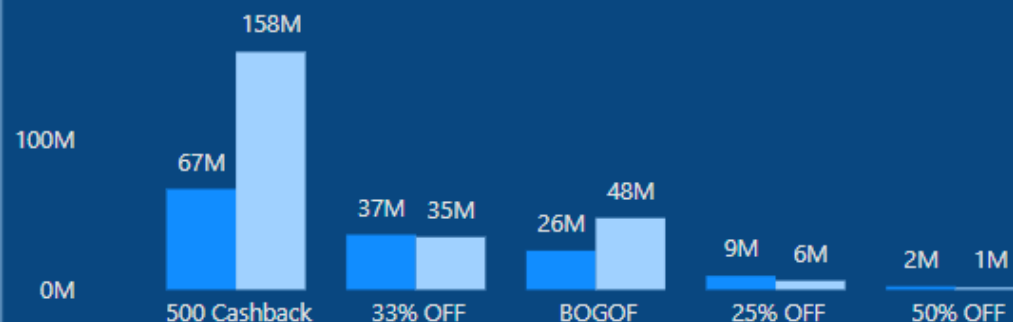


ISU by promo_type



Revenue before promotion & after promotion by promo type

● revenue_before_promotion ● revenue_after_promo



promo_type	promotion_cost	IR	ISU	total_revenue
25% OFF	2.00M	-3.17M	-5717	15.17M
33% OFF	17.23M	-1.56M	27255	71.52M
50% OFF	1.44M	-0.73M	6931	3.60M
500 Cashback	31.59M	91.05M	40881	224.85M
BOGOF	47.62M	21.69M	157073	73.55M
Total	99.88M	107.28M	226423	388.69M



Diwali

Sankranti

PRODUCT & CATEGORY

City

All

Category

All

Qty sold before
promotion

209K

Qty sold after
promotion

435K

Revenue before
promotion

141M

Revenue after
promotion

247.98M

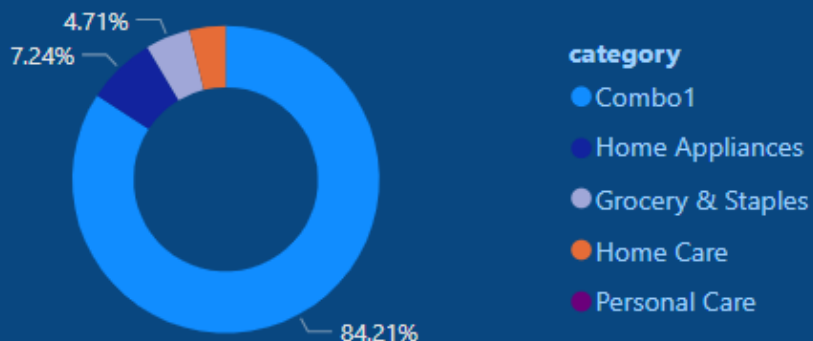
IR %

76.25%

ISU %

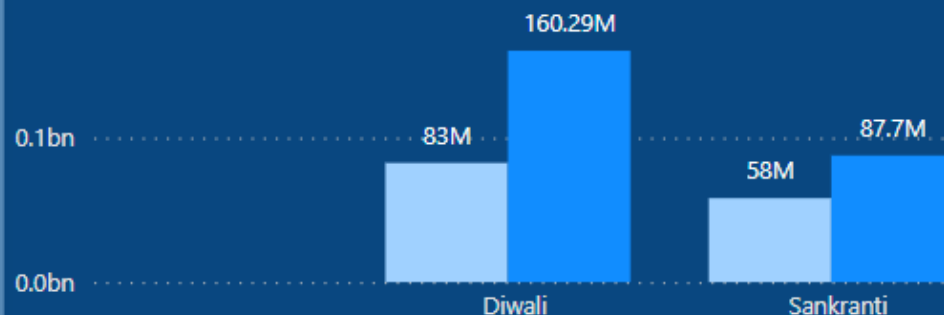
108.31...

IR by category

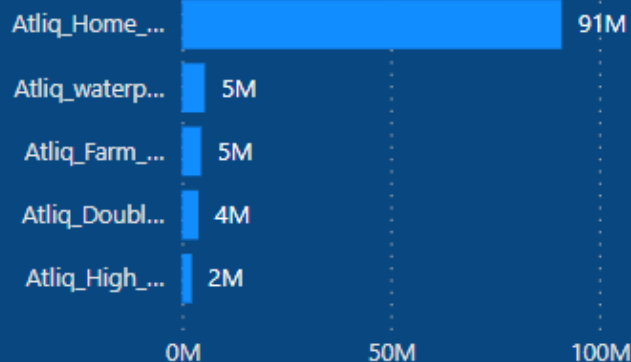


Revenue VS Campaign

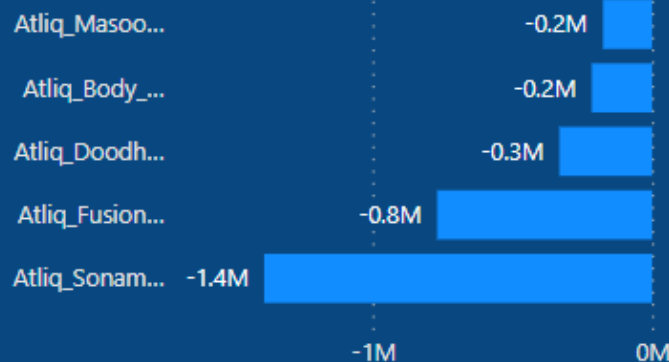
● revenue_before_promotion ● revenue_after_promo



Top 5 products by IR



Bottom 5 products by IR



category	promo_type	IR%	ISU%
Grocery & Staples	BOGOF	87.76%	275.71%
Home Appliances	BOGOF	82.61%	264.39%
Home Care	BOGOF	78.82%	256.74%
Combo1	500 Cashback	136.11%	183.33%
Grocery & Staples	33% OFF	-4.28%	43.04%
Personal Care	50% OFF	-33.60%	32.63%
Grocery & Staples	25% OFF	-34.06%	-11.99%
Total		76.25%	108.31%

INSIGHTS :

- ❑ The store STMYS-1 leads in IR with 3.6M orders, followed by STCHE-4 and STBLR-0 with 3.5M orders each, showcasing potential efficiency in sales processes.
- ❑ The presence of STMLR-0 and STVSK-3 in the bottom 10 stores by ISU with only 2.0K and 2.2K respective orders suggests a potential for improvement in their sales strategies or market targeting.
- ❑ The total sales and revenue in Bengaluru, Chennai, and Hyderabad collectively contribute to more than 58% of the total sales and revenue in the southern region of India.
- ❑ Promotions offering cashback (500 cashback) have the highest IR at 91 million, indicating a strong customer attraction. Conversely, promotions like 50% off, 33% off, and 25% off have negative IR, suggesting a potential misalignment between these discounts and customer preferences or market demands.
- ❑ BOGOF and 500 Cashback promotions lead with positive ISU, indicating effectiveness in driving incremental sales, whereas 33% off and 50% off have lower ISU, suggesting they may not be as impactful. 25% off shows a negative ISU, indicating it may not be resonating with customers.
- ❑ 500 Cashback" and "BOGOF" promotions led to significant revenue boosts, while "25%" and "50%" promotions resulted in declines, highlighting the varying effectiveness of different promotional strategies in driving sales.

INSIGHTS :

- ❑ Combo1 has the highest IR at 84.21%, indicating high incremental revenue potential. Home appliances and grocery & staples show lower IRs at 7.24% and 4.71% respectively, suggesting a lower revenue potential compared to Combo1.
- ❑ During the Diwali campaign, revenue increased by approximately 93.67% from 83M to 160.29M post-promotion, while during Sankranti, revenue increased by approximately 51.55% from 58M to 87.7M post-promotion, indicating the significant impact of promotions during festive periods.
- ❑ The promotions offering the highest IR% and ISU% are "500 Cashback" and "BOGOF," indicating their effectiveness in driving incremental sales and revenue. Conversely, "25% OFF" and "50% OFF" show negative IR% and ISU%, suggesting that these promotions are not resonating well with customers or may not be aligned with market demand.

RECOMMENDATION :

- Despite having fewer stores, Madurai and Coimbatore generate higher revenue compared to Bengaluru, Chennai, and Hyderabad. The reasons behind this disparity need to be investigated.
- The introduction of the BOGOF offer on high-priced products led to a notable sales spike, increasing by up to 300%. However, the reason why these products were not initially the primary choice for customers needs to be determined.
- The most sold products fall under the Home Appliances category and combo offers. However, there is an opportunity to increase focus on the Grocery & Staples category.

THANK YOU



poojapoundkar1995@gmail.com



<https://codebasics.io/portfolio/Pooja-Poundkar>



<https://www.linkedin.com/in/pooja-poundkar/>



<https://github.com/poojapoundkar>

