ACCS:Nationwide Analytics Case Study Competition

Take a leap

Analytics Case Proposal

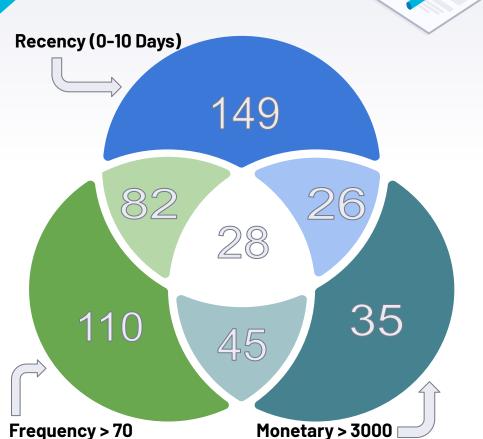
Team Members:

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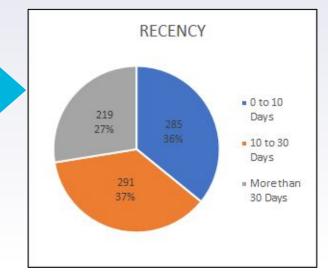
RFM Analysis

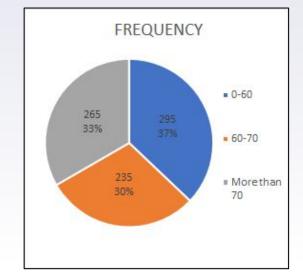


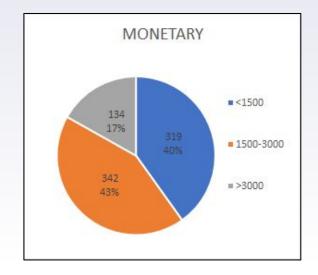
Recency (In Days)	Frequency	Monetary		
		<1500	1500-3000	>3000
0 to 10	0-60	46	35	11
	60-70	31	37	15
	>70	36	46	28
10 to 30	0-60	49	50	9
	60-70	40	37	11
	>70	26	39	30
more than 30	0-60	49	37	9
	60-70	25	33	6
	>70	17	28	15

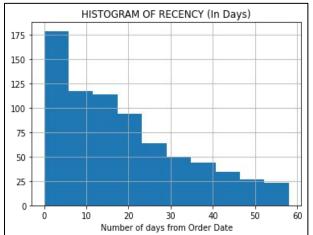
Worst

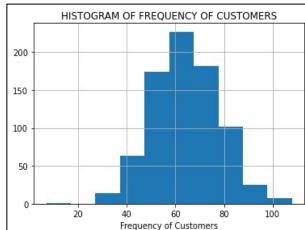
Best

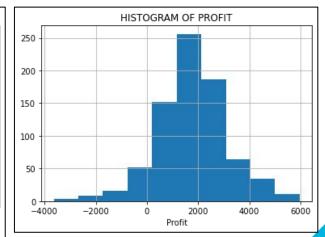




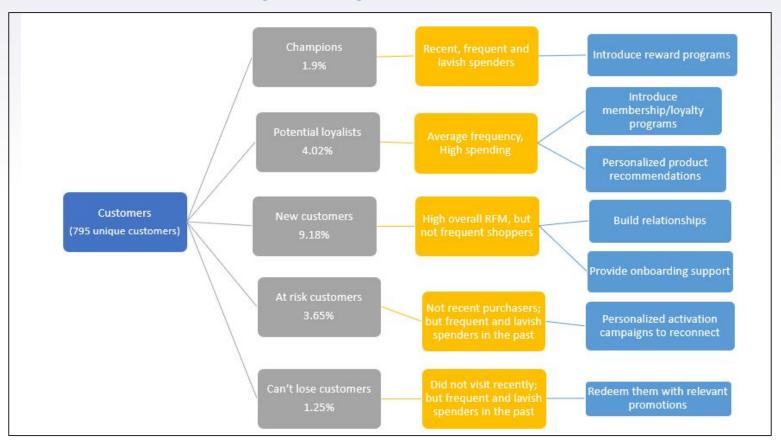




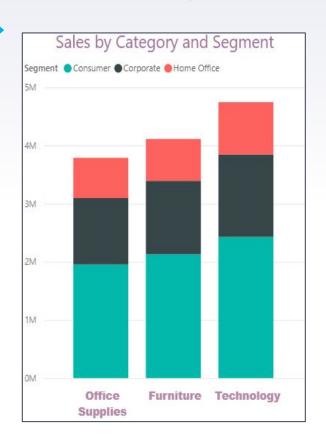


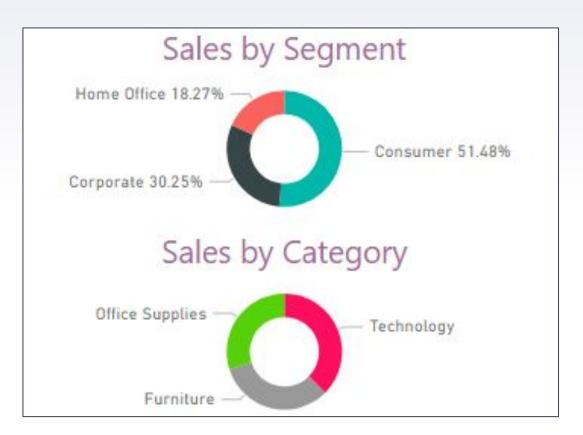


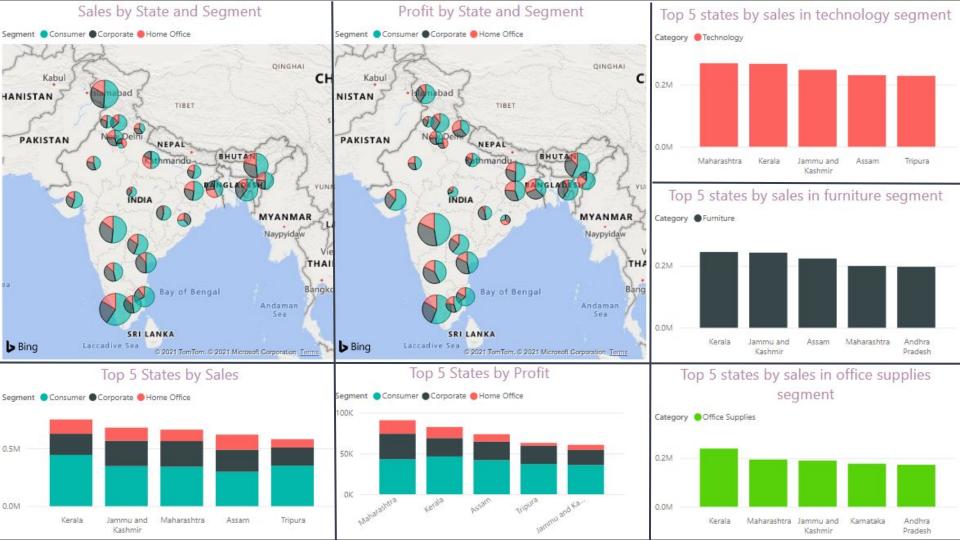
Customer Loyalty and Retention



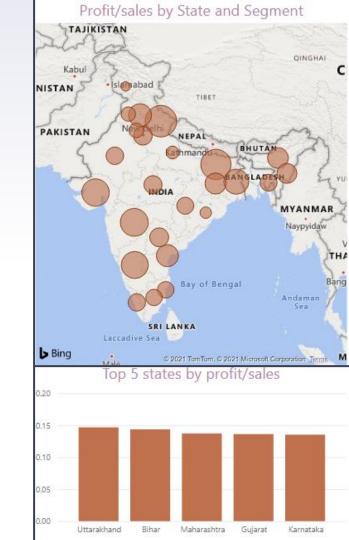
Market, Segment, Category and Region Performance







- Kerala, J&K, Maharashtra, Assam and
 Tripura have the highest sales and profits
- Uttarakhand, Bihar, Maharashtra, Gujarat and Karnataka earn high profits with relatively low sales.
- Thus, a new metric, Profit/Sales is introduced, a high value of which will correspond to more profit to the company with minimum efforts.
- This indicates that:
 - Cost in those states such as rent, maintenance is low
 - Further attention can be given to these states to bolster overall profit



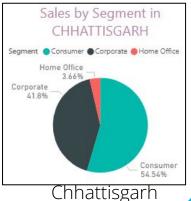
Special attention to exceptional regions:

- **Delhi:** The only region where the proportion of Home Office sales is the greatest (41.25%)
- **Odisha:** The only region where the proportion of corporate sales is the greatest (38.86%)
- **Chhattisgarh:** Chhattisgarh has exceptionally low proportion of home office sales (3.66%)

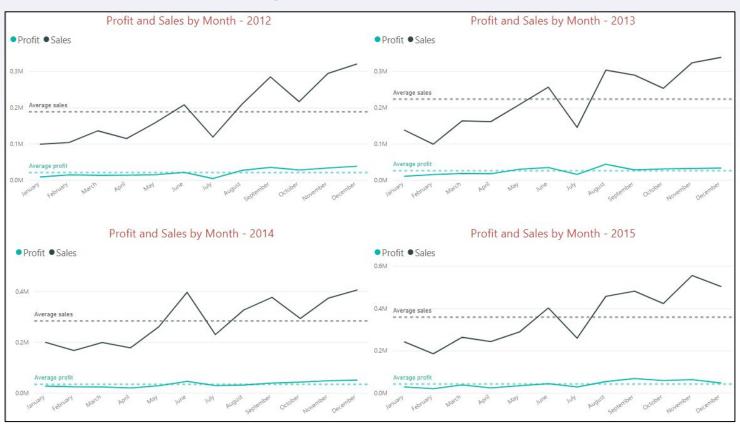








Seasonality Factors in Sales



Seasonality Factors in Sales

- The trend of sales remain the same YoY
 - However, average and maximum sales increase YoY
- Lowest sales (and profit) observed in February
 - Due to lack of festivals and holidays & extreme weather conditions
- Sharp increase in August every year
 - Can be attributed to back-to-school season
- Yearly maximum sales in December
 - Holiday season (Christmas and New Year)

