Retail Sales Dataset – Analytical Report

1. Dataset Overview

• Total Records: 1,000

• Total Features: 16

• Timeframe: 345 unique days in 2023

• Coverage: Multi-category products sold across 12 cities and 4 regions

• Data Quality: No missing values (clean dataset)

2. Customer Demographics

• Gender Split:

o Female: 51.6%

o Male: 48.4%

→ Balanced, slightly female-dominated.

• Age Distribution:

 \circ Range: 18 - 64 years

Average Age: 41 years

Peak segment: 30–50 years

\$\times \text{Insight: The customer base is mainly working professionals and families.}

3. Product & Category Insights

• Categories: Clothing, Electronics, Furniture, Grocery

• Most Popular Category (by orders): Clothing (259 orders)

• Top Product (by frequency): Tablet (85 orders)

• Average Units Sold: 5 per order

• Price Range: ₹109 – ₹4,999

Insight: Clothing is volume-driven; Electronics & Furniture bring higher value.

4. Sales & Profitability

• Revenue per Order:

o Average: ₹11,596

o Max: ₹42,732

• Profit per Order:

o Average: ₹2,945

o Max: ₹15,942

o Average: Profit Margin: ~25%

• Discounts:

o Average: 10%

 \circ Range: 0-20%

\$\times \text{Insight: Profitability is healthy, but discounts need optimization to prevent margin erosion.}

5. Regional & City Distribution

• Regions Covered: North, South, East, West

• Top Region (by orders): North (27%)

• Top City: Delhi (99 orders)

\$\times \text{Insight: Strong performance in North India; scope to expand in South/East.}

6. Recommendations

- 1. Customer Targeting
 - o Run digital campaigns for professionals aged 30–50.
 - Create gender-tailored promotions (e.g., lifestyle products for women, gadgets for men).
- 2. Product Strategy
 - o Use Clothing as an entry point (volume driver).

- o Bundle Electronics + Furniture for higher-value sales.
- o Explore seasonal campaigns (festivals, back-to-school, Diwali).

3. Pricing & Discounts

- Apply dynamic discounting: higher discounts on slow-moving items, minimal on high-demand products.
- o Monitor discount vs. profit correlation to avoid revenue leakage.

4. Regional Expansion

- o Invest in South & East India with local promotions.
- o Partner with regional influencers to boost brand visibility.

5. Customer Retention

- o Launch loyalty programs (points, cashback).
- o Personalize offers using customer purchase history.

7. Conclusion

The dataset reveals a healthy sales performance with 25% average profit margins, strong customer engagement in North India, and balanced gender demographics.

- Clothing drives order volume, while Electronics and Furniture provide high revenue.
- Discount policies need refinement to maintain profitability.
- Expansion opportunities lie in the South and East regions, supported by targeted campaigns.

Structure Overall: With optimized discounting, regional expansion, and targeted marketing, the company can significantly increase revenue while sustaining profit margins.