



## Objective



- 1. How much we have sold
- 2. what products we have sold
- 3. which clients buy our product
- 4. Sales over time
- 5. Budget Vs Sales Performance





EDA

Measures about Business

Customer Segmentation

Sales last 2 Years

Conclusion





Data cleaning

Data transformation

**EDA** 

Data exploration

#### **Data Transformation**

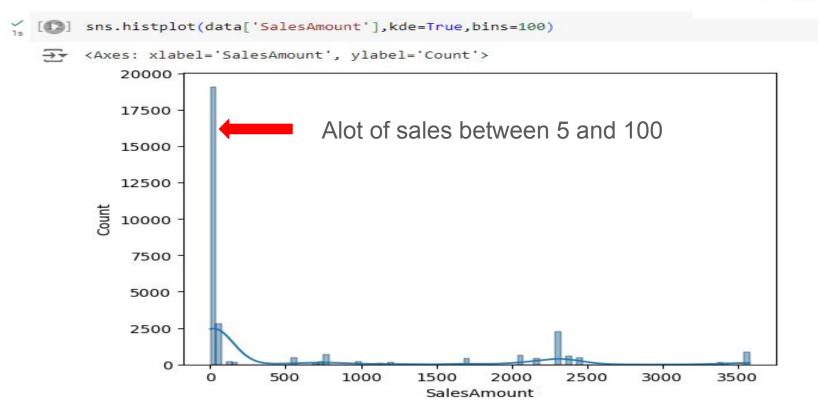
We have created ARPU and Profit feature with Dax in Powerbi

ARPU -1076.714 547.217 1074.841 6.885 1067.681 482.069 858.299 29.657 14.121 9.644 11.744 662.090 516.711 1533,338 525.563 9.180 9.644 10.302 18.224 11.381 18.224 19,427 25.361

#### **Data Exploration**

- We use python to explore salesamount feature
- Distribution of salesamount not normal

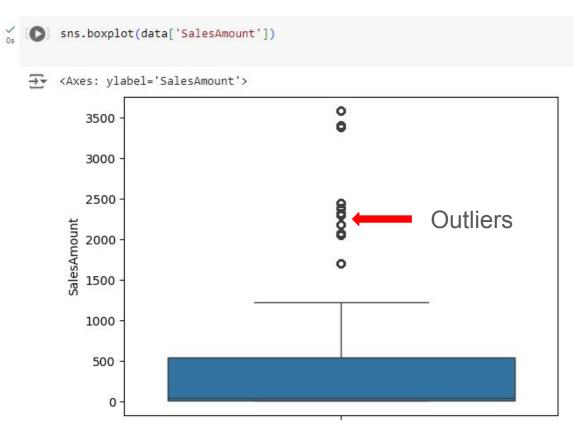




#### **Data Exploration**

#### salesamount feature has outliers





- We used SQL Server and Adventure DB to extract tables such as: Internet\_sales,Product,Budget,Customers.....
- We use Snowflake Data Model in PowerBI
- We make Normalization by Product Table



## Measures about Business



We achieved 15.16M Profit

### Most Product We sold

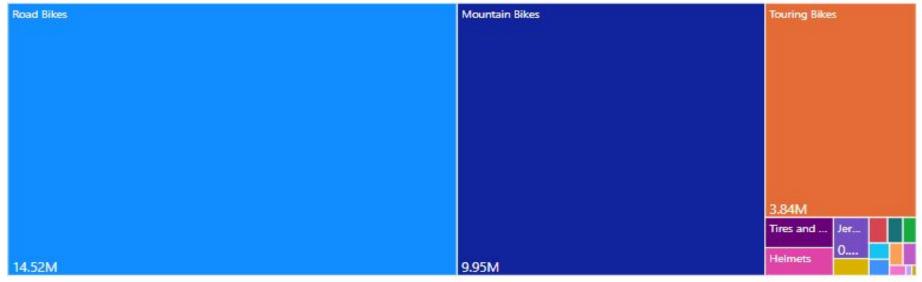


Bikes the main Products we sold

## Most Subcategory We sold



#### sales by subcategory



Road Bikes the most SubCategory we sold and the second Mountain Bikes

## Segmenting Customers based on ARPU

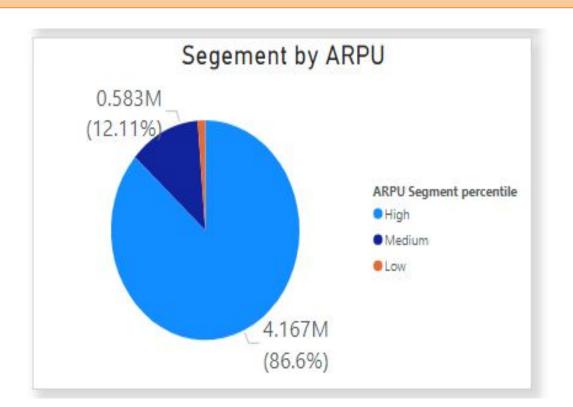


Because of extreme value in data we use: Percentile-Based Segmentation

You can divide your data into three equal-sized groups (Low, Medium, High) using percentiles:

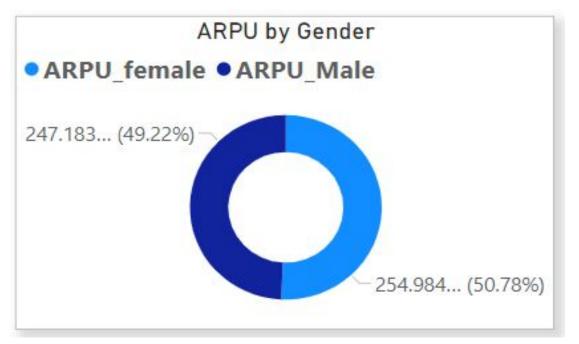
- Low ARPU: Bottom 33% of the ARPU values.
- Medium ARPU: Middle 33% of the ARPU values.
- High ARPU: Top 33% of the ARPU values.

# Most sales comes from High segment so we need to focus on this segment in marketing



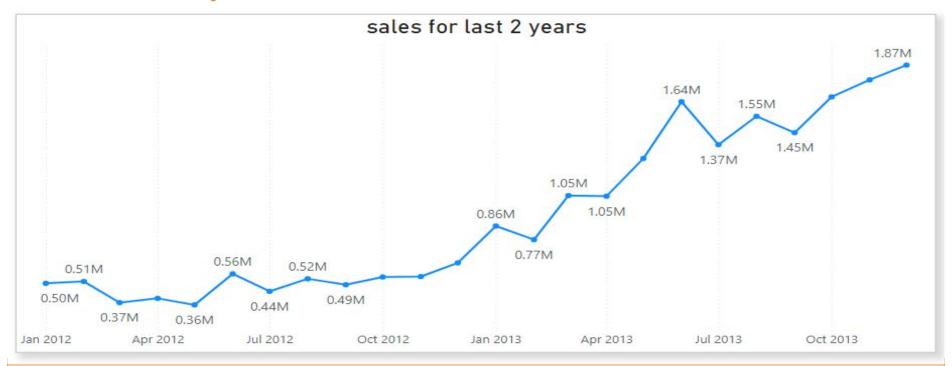
## ARPU by Gender





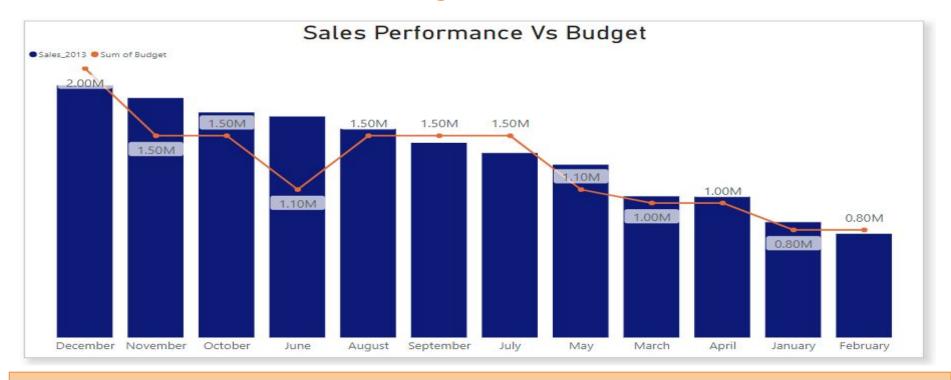
Female buy more than Male

## Sales last 2 years



We achieved in 2013 sales more than 2012 and The fourth quarter of every year is the best selling quarter so we need to increase marketing in these months

## Sales Performance Vs Budget in 2013



We do well in all Months except February, July, September and December so we need to make a new strategy for these months

## **Conclusion**



- Most product sales are Bikes
- Most Revenues comes from High segment customers so we need to focus on these segment in marketing
- Female buy more than Male
- The fourth quarter of every year is the best selling quarter so we need to increase marketing in these months
- We do well in all Months except February, July, September and December so we need to make a new strategy for these months