

UNDERSTANDING DATA ANALYTICS

EXCEL CASE STUDIES



RANDRITA SARKAR

WHO AM I?



- GOOGLE DEVELOPERS GROUP (GDG) Kolkata, Member
- GDG CLOUD KOLKATA MEMBER
- CBO, RSM Bangalore
- TAKEN 10+ SESSIONS AS A SPEAKER IN VARIOUS COLLEGES
- PUBLISHED 2 RESEARCH PAPERS
- Won 4 Hackathons
- Trained 500+ students on github
- GWOC Top Mentor
- 4 articles has been published in Techfastly Magazine, USA.
- Interned with 10 companies on various field
- CV based Project Published in Streamlit official website

YOU CAN CONNECT WITH ME IN ANY SOCIAL MEDIA PLATFORM (SEARCH: RANDRITA SARKAR ;-)

EVERYONE!

ARE

YOU

READY?

LET'S TAKE A LOOK AT TECHNOLOGY!

BE

YOUR

OWN

HERO

STORE DATA ANALYSIS

LINK

https://github.com/Randrita/DataAnalysis_DataspaceBatch_1/blob/main/Supermarket_Data.xlsx

STEP 1:

DATA UNDERSTANDING

QUESTIONS:

- Compare the sales and orders using single chart?
- Which month got the highest sales and orders
- Who purchased more men or women in 2022?
- What are different order status
- List top 10 states contribution to the sales?
- Relation between age and gender based on the number of orders
- Which channel is contributing to maximum sales?
- Highest Selling Category?

STEP 2: DATA CLEANING

QTY | GENDER

STEP 3:

DATA PROCESSING

STEP 3:

DATA PROCESSING

- **Age Bucket**

IF(C2>=60, "Senior", IF(C2>=18,"Adult","Teen"))

- **Add Month**

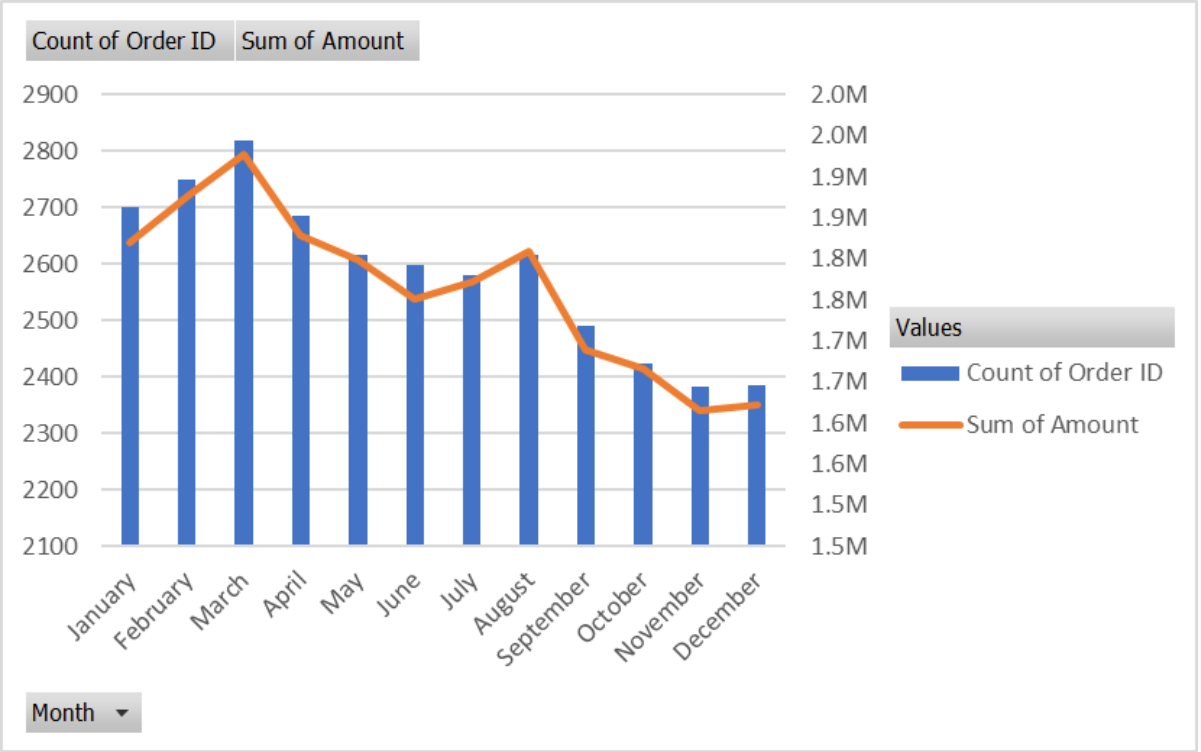
Text(column:"mmmm")

STEP 3:

DATA ANALYSIS

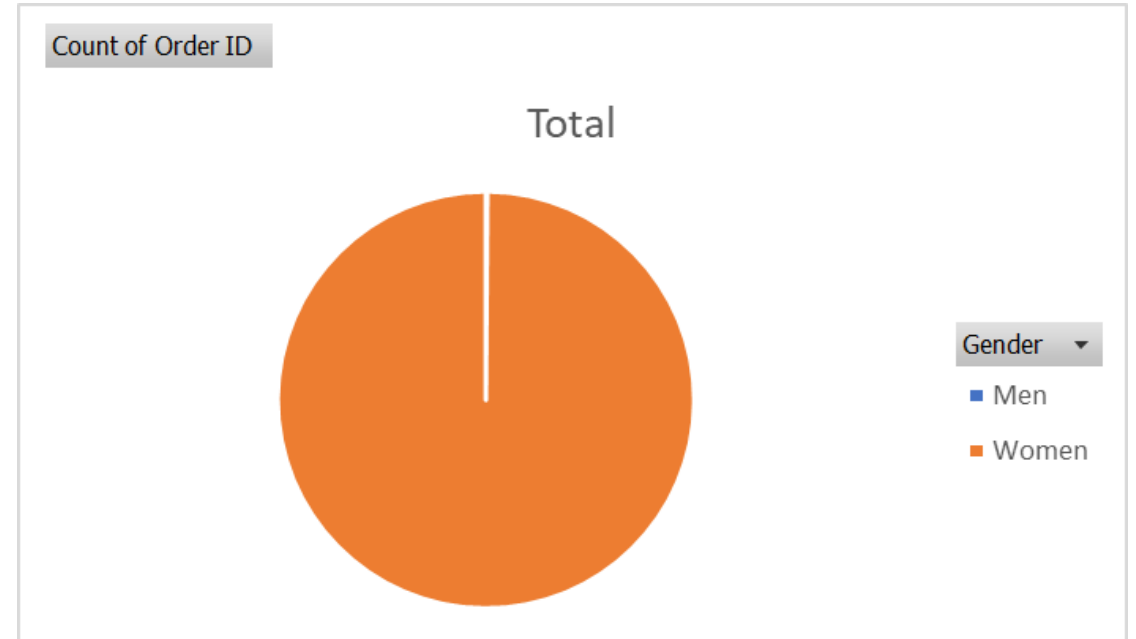
- PIVOT TABLE
- Compare the sales and orders using single chart?
- Which month got the highest sales and orders

Row Labels	Count of Order ID	Sum of Amount
January	2702	1820601
February	2750	1875932
March	2819	1928066
April	2685	1829263
May	2617	1797822
June	2597	1750966
July	2579	1772300
August	2617	1808505
September	2490	1688871
October	2424	1666662
November	2383	1615356
December	2384	1622033
Grand Total	31047	21176377



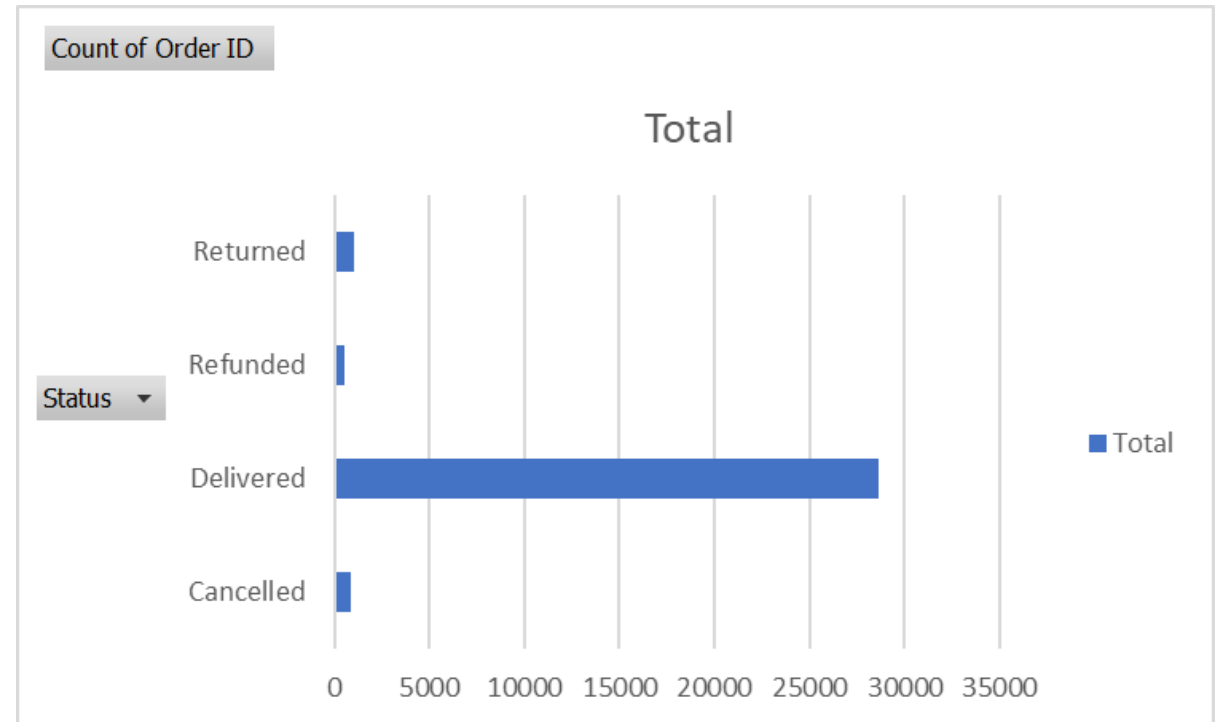
Who purchased more men or women in 2022?

Row Labels	Count of Order ID
Men	31
Women	31016
Grand Total	31047



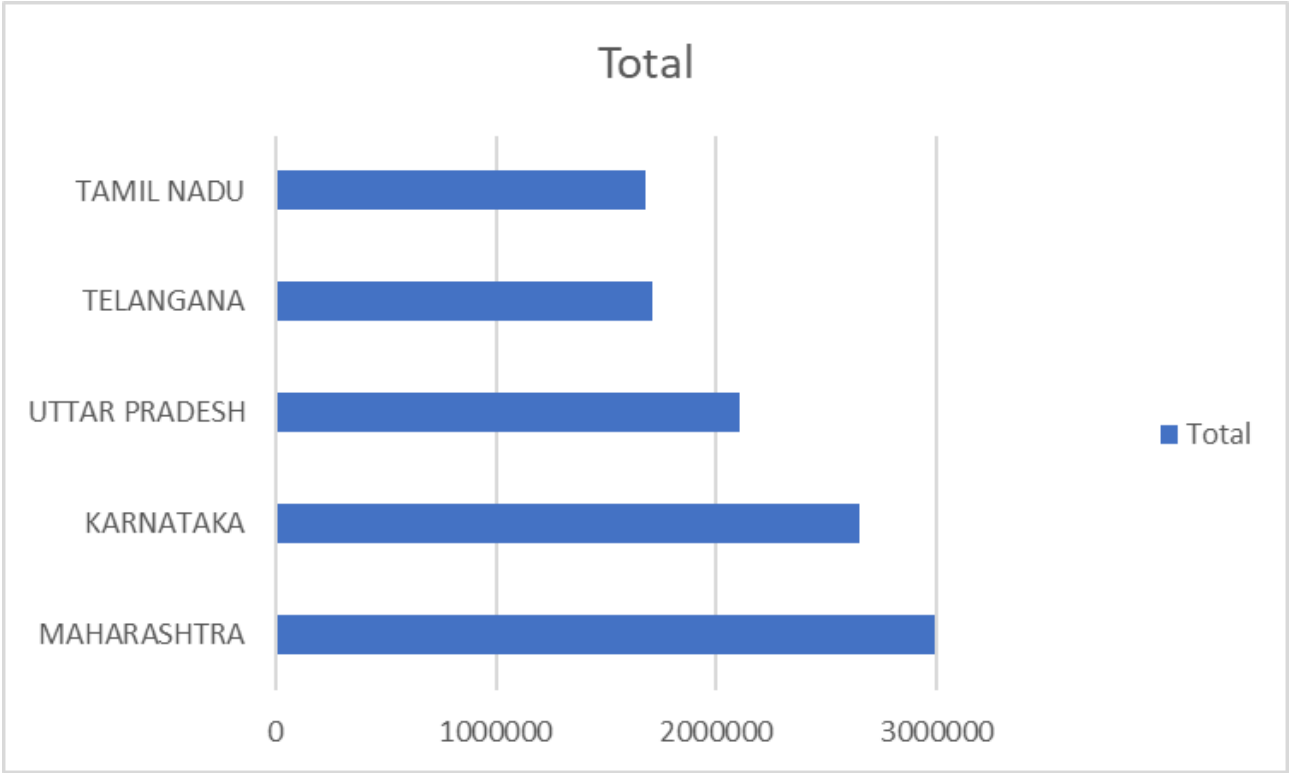
What are different order status

Row Labels	Count of Order ID
Cancelled	844
Delivered	28641
Refunded	517
Returned	1045





List top 10 states contribution to the sales?

Row Labels	Sum of Amount
MAHARASHTRA	2990221
KARNATAKA	2646358
UTTAR PRADESH	2104659
TELANGANA	1712439
TAMIL NADU	1678877
Grand Total	11132554



Relation between age and gender based on the number of orders

Count of Order ID		Column Labels 	
Row Labels 		Men	Women
Adult		0.09%	0.77%
Senior		0.01%	0.11%
(blank)		0.00%	99.02%

Which channel is contributing to maximum sales?

Row Labels	Sum of Amount
Ajio	6.29%
Amazon	35.51%
Flipkart	21.60%
Meesho	4.38%
Myntra	23.34%
Nalli	4.79%
Others	4.10%