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- Introduction
- Methodology
- Results
- Visualization Charts
- Conclusion





Welcome to our Diwali Sales Data Presentation. This report provides a comprehensive analysis of our sales performance during the Diwali season, showcasing key metrics and insights derived from meticulously cleaned and modified data. Our findings are visually represented through a variety of charts to offer clear and actionable insights.

Ensured the **accuracy** and **consistency** of our data by **removing errors** and **duplicates**, and **standardizing** formats to **enhance readability**. By providing a demographic **breakdown** of our **customer base**, along with an **analysis** of their buying **behavior** and **trends**.







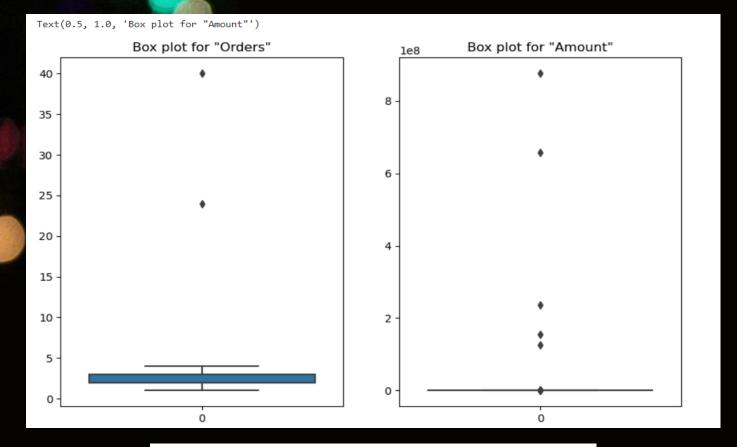
- Data Collection Sources:
 - From SIR
- Data Exploration
- Data Cleaning
- Data Visualization
- Dashboard & Storytelling
- Presentation



User_ID	Cust_name	Product_ID	Gender	Age Group	Age	Marital_Status	State	Zone	Occupation	Product_Category	Orders	Amount	Status	unnamed1
1002903.0	Sanskriti	P00125942	F	26-35	28	0.0	Maharashtra	Western	Healthcare	Auto	1.0	23952	NaN	NaN
1000732.0	Kartik	P00110942	F	26-35	35	1.0	Andhra Pradesh	Southern	Govt	Auto	3.0	23934	NaN	NaN
1001990.0	Bindu	P00118542	F	26-35	35	1.0	Uttar Pradesh	Central	Automobile	Auto	3.0	23924	NaN	NaN
1001425.0	Sudevi	P00237842	М	0-17	16	0.0	Karnataka	Southern	Construction	Auto	2.0	23912	NaN	NaN
1000588.0	Joni	P00057942	М	26-35	28	1.0	Gujarat	Western	Food Processing	Auto	2.0	23877	NaN	NaN
1000588.0	Joni	P00057942	М	26-35	28	1.0	Himachal Pradesh	Northern	Food Processing	Auto	1.0	23877	NaN	NaN
1001132.0	Balk	P00018042	F	18-25	25	1.0	Uttar Pradesh	Central	Lawyer	Auto	4.0	23841	NaN	NaN
1002092.0	Shivangi	P00273442	F	55+	61	0.0	Maharashtra	Western	IT Sector	Auto	1.0	NaN	NaN	NaN
1003224.0	Kushal	P00205642	М	26-35	NaN	0.0	Uttar Pradesh	Zentral	Govt	Auto	2.0	23809	NaN	NaN
1003650.0	Ginny	P00031142	F	26-35	NaN	1.0	Andhra Pradesh	Southern	Media	Auto	4.0	23799.99	NaN	NaN

	User_ID	Cust_name	Product_ID	Gender	Age Group	Age	Marital_Status	State	Zone	Occupation	Product_Category	Orders	Amount	marrage_status	
0	1002903.0	Sanskriti	P00125942	F	26-35	28	0.0	Maharashtra	Western	Healthcare	Auto	1.0	23952.00	Unmarried	
1	1000732.0	Kartik	P00110942	F	26-35	35	1.0	Andhra Pradesh	Southern	Govt	Auto	3.0	23934.00	Married	
2	1001990.0	Bindu	P00118542	F	26-35	35	1.0	Uttar Pradesh	Central	Automobile	Auto	3.0	23924.00	Married	
3	1001425.0	Sudevi	P00237842	М	0-17	16	0.0	Karnataka	Southern	Construction	Auto	2.0	23912.00	Unmarried	
4	1000588.0	Joni	P00057942	М	26-35	28	1.0	Gujarat	Western	Food Processing	Auto	2.0	23877.00	Married	
5	1000588.0	Joni	P00057942	М	26-35	28	1.0	Himachal Pradesh	Northern	Food Processing	Auto	1.0	23877.00	Married	
6	1001132.0	Balk	P00018042	F	18-25	25	1.0	Uttar Pradesh	Central	Lawyer	Auto	4.0	23841.00	Married	
8	1003224.0	Kushal	P00205642	М	26-35	NaN	0.0	Uttar Pradesh	Zentral	Govt	Auto	2.0	23809.00	Unmarried	
9	1003650.0	Ginny	P00031142	F	26-35	NaN	1.0	Andhra Pradesh	Southern	Media	Auto	4.0	23799.99	Married	
10	1003829.0	Harshita	P00200842	М	26-35	NaN	0.0	Delhi	Central	Banking	Auto	1.0	23770.00	Unmarried	

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Cust_name	0						
Product_ID	0						
Gender	2						
Age Group	5						
Age	9						
Marital_Status	5						
State	0						
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Product_Category	0						
Orders	0						
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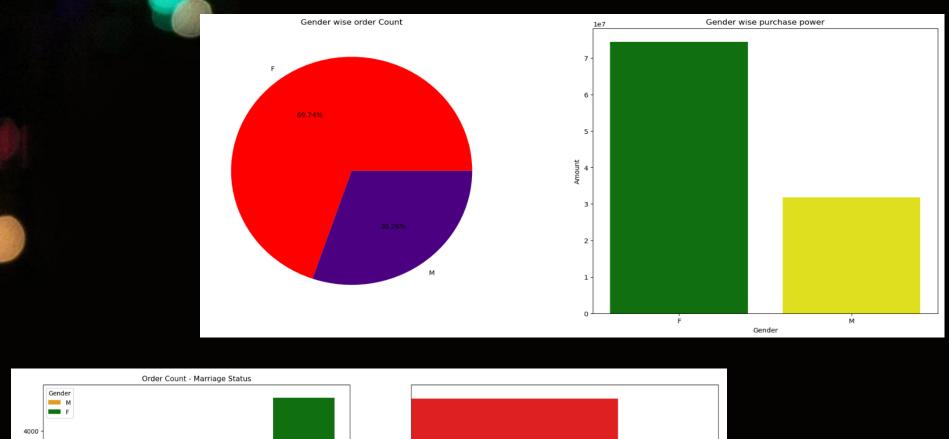


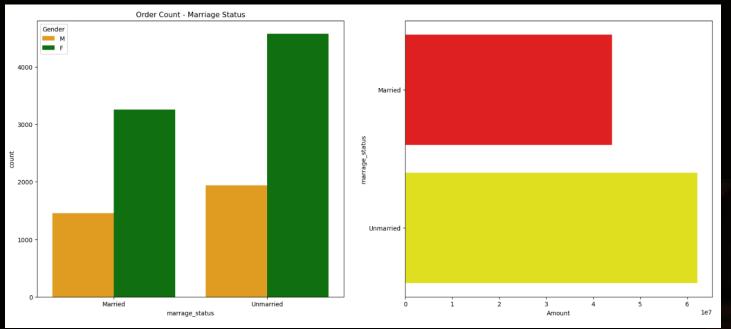
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	User_ID	Age	Marital_Status	Orders	Amount				
count	1.123400e+04	11234.000000	11234.000000	11234.000000	11234.000000				
mean	1.007453e+06	35.433772	0.419708	2.489496	9452.764638				
std	2.109026e+05	12.759432	0.493533	1.114845	5213.784648				
min	1.000001e+06	12.000000	0.000000	1.000000	188.000000				
25%	1.001496e+06	27.000000	0.000000	2.000000	5443.000000				
50%	1.003064e+06	33.000000	0.000000	2.000000	8109.500000				
75 %	1.004429e+06	43.000000	1.000000	3.000000	12681.500000				
max	1.100173e+07	92.000000	1.000000	4.000000	23568.000000				

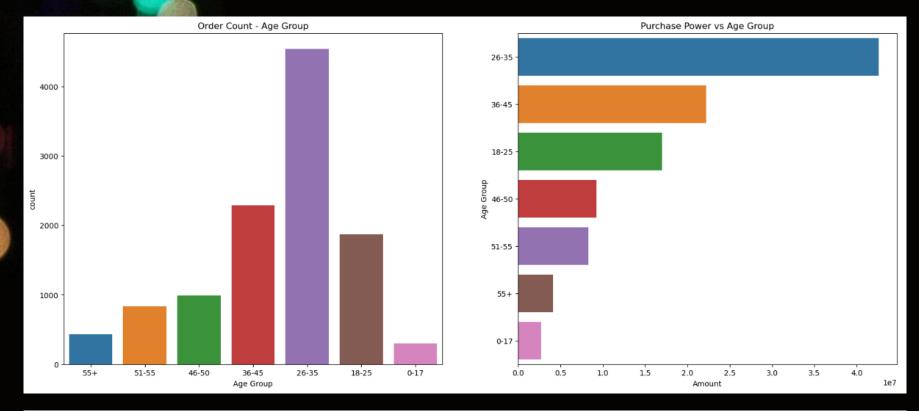
Data Vizualization

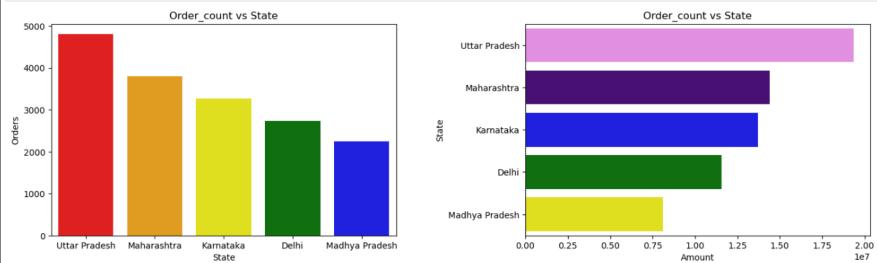
Analysis Parameter

- Gender
- Marriage_Status
- Age group
- Product_Category
- State
- Product ID
- Occupation













- Females have purchased more products than males.
- Unmarried individuals have bought more products than married individuals.
- The age group of 26-35 has purchased more products than any other age group.
- Uttar Pradesh has recorded the highest Diwali sales.





