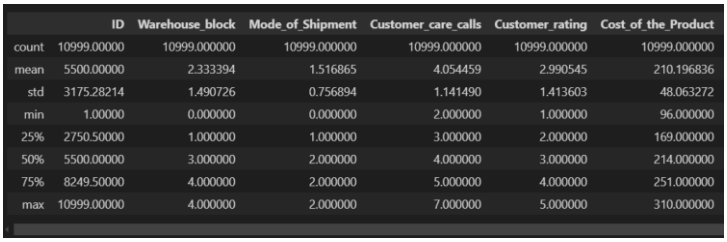
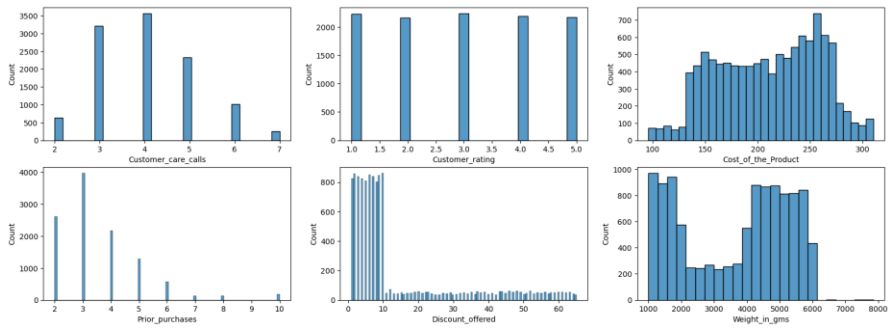
Data Collection and Preprocessing Phase

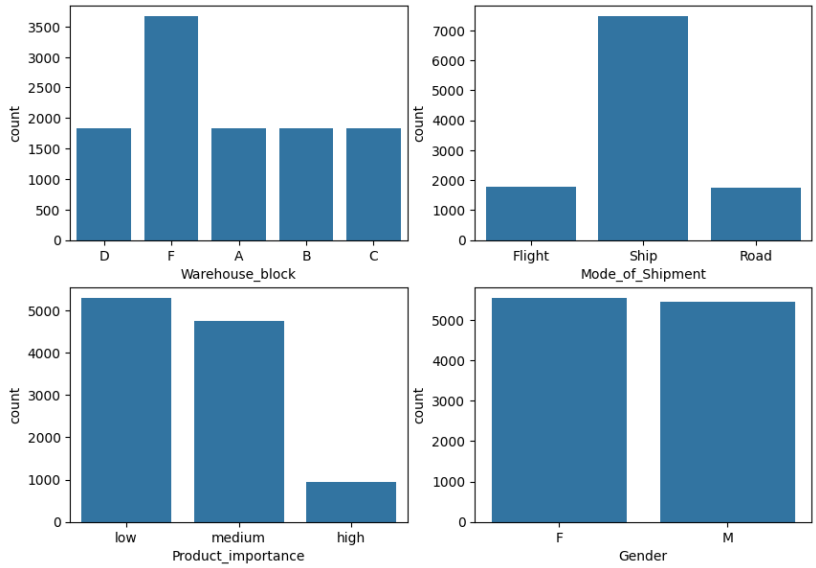
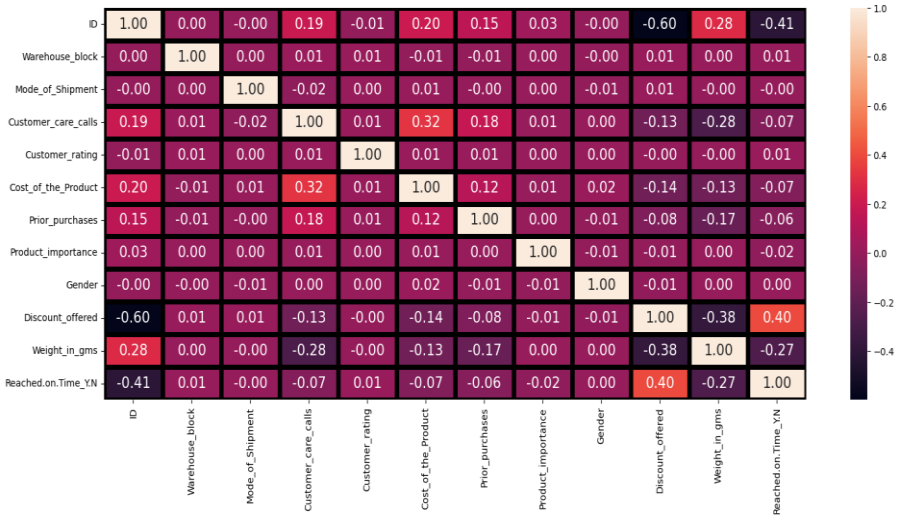
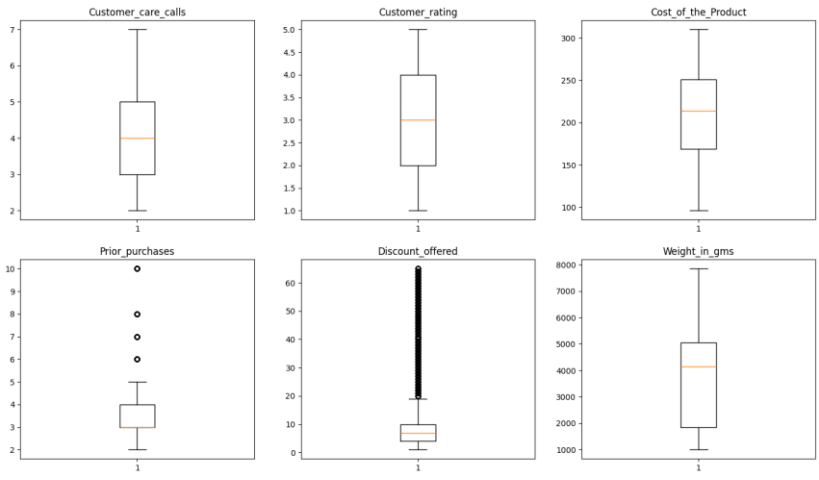
Date	10th July 2024
Team ID	SWTID1720086535
Project Title	E-commerce Shipping Prediction Using Machine Learning
Maximum Marks	6 Marks

Data Exploration and Preprocessing Template

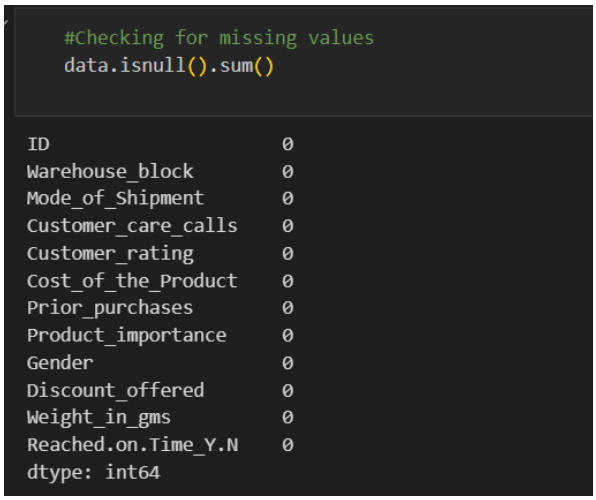
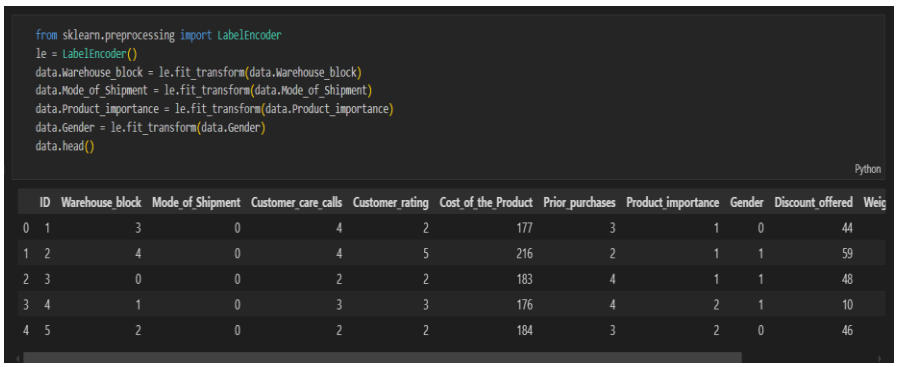
Dataset variables will be statistically analyzed to identify patterns and outliers, with Python employed for preprocessing tasks like normalization and feature engineering. Data cleaning will address missing values and outliers, ensuring quality for subsequent analysis and modeling, and forming a strong foundation for insights and predictions.

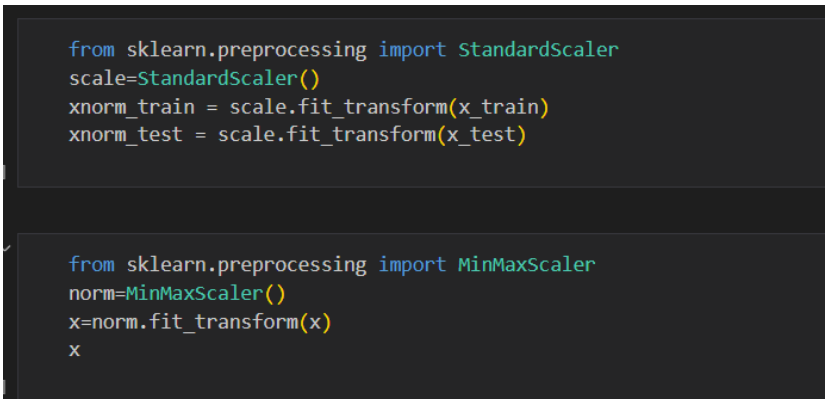
Section	Description
Data Overview	Dimension: 10999 rows x 12 columns Descriptive Statistics: 
Univariate Analysis	

	ID	Warehouse_block	Mode_of_Shipment	Customer_care_calls	Customer_rating	Cost_of_the_Product
count	10999.00000	10999.000000	10999.000000	10999.000000	10999.000000	10999.000000
mean	5500.00000	2.333394	1.516865	4.054459	2.990545	210.196836
std	3175.28214	1.490726	0.756894	1.141490	1.413603	48.063272
min	1.00000	0.000000	0.000000	2.000000	1.000000	96.000000
25%	2750.50000	1.000000	1.000000	3.000000	2.000000	169.000000
50%	5500.00000	3.000000	2.000000	4.000000	3.000000	214.000000
75%	8249.50000	4.000000	2.000000	5.000000	4.000000	251.000000
max	10999.00000	4.000000	2.000000	7.000000	5.000000	310.000000

Bivariate Analysis	
Multivariate Analysis	
Outliers and Anomalies	

Data Preprocessing Code Screenshots

Loading Data	
Handling Missing Data	
Data Encoding	

Data Transformation	
Feature Engineering	Code is in the final code submitted.
Save Processed Data	-