



## **Data Collection and Preprocessing Phase**

Date	11 July 2024
Team ID	SWTID1720151584
Project Title	E-Commerce Shipping Prediction Using Machine Learning
Maximum Marks	6 Marks

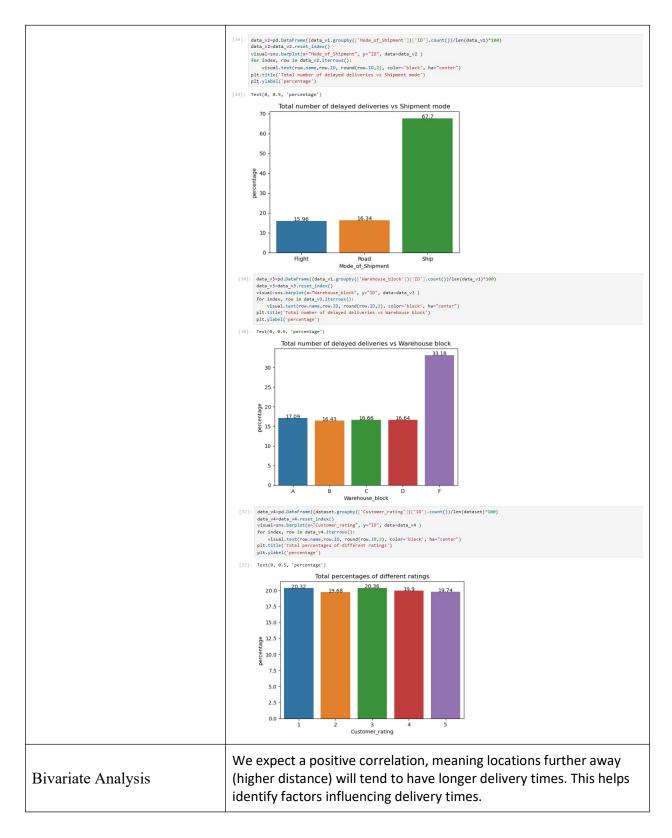
## **Data Exploration and Preprocessing Template**

Identifies data sources, assesses quality issues like missing values and duplicates, and implements resolution plans to ensure accurate and reliable analysis.

Section	Description										
D. t. O	<ul> <li>Internal:</li> <li>Historical order data (order ID, product details, customer information, shipping method, delivery time)</li> <li>Product catalog data (product weight, dimensions)</li> </ul>										
Data Overview	<ul> <li>External (potential):</li> <li>Real-time carrier data (shipping rates, transit times)</li> <li>Weather data (location-based, impacting delivery times)</li> <li>Holiday calendars (potential delay</li> </ul>										
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	Real-time carrier data (shipping rates, transit times)     Weather data (location-based, impacting delivery times)     Holiday calendars (potential delay										
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Univariate Analysis	Real-time carrier data (shipping rates, transit times)     Weather data (location-based, impacting delivery times)     Holiday calendars (potential delay    In										
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Univariate Analysis	Real-time carrier data (shipping rates, transit times)     Weather data (location-based, impacting delivery times)     Holiday calendars (potential delay    All   All										

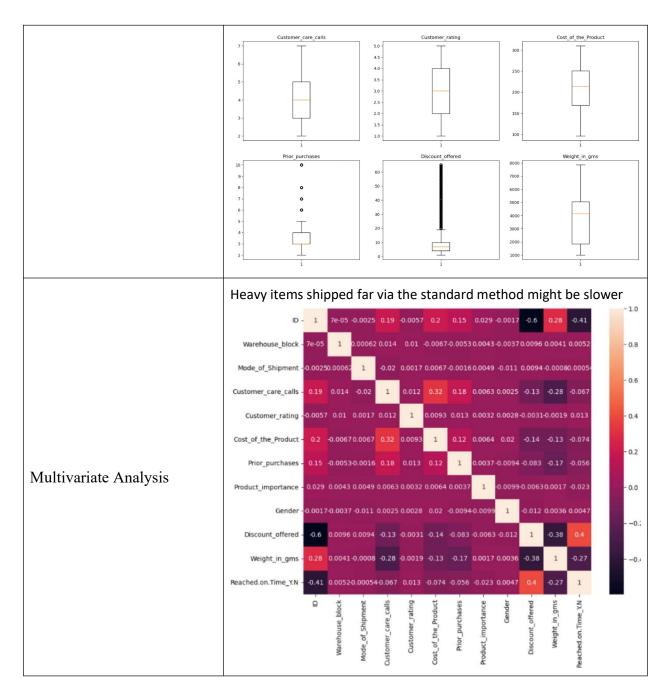






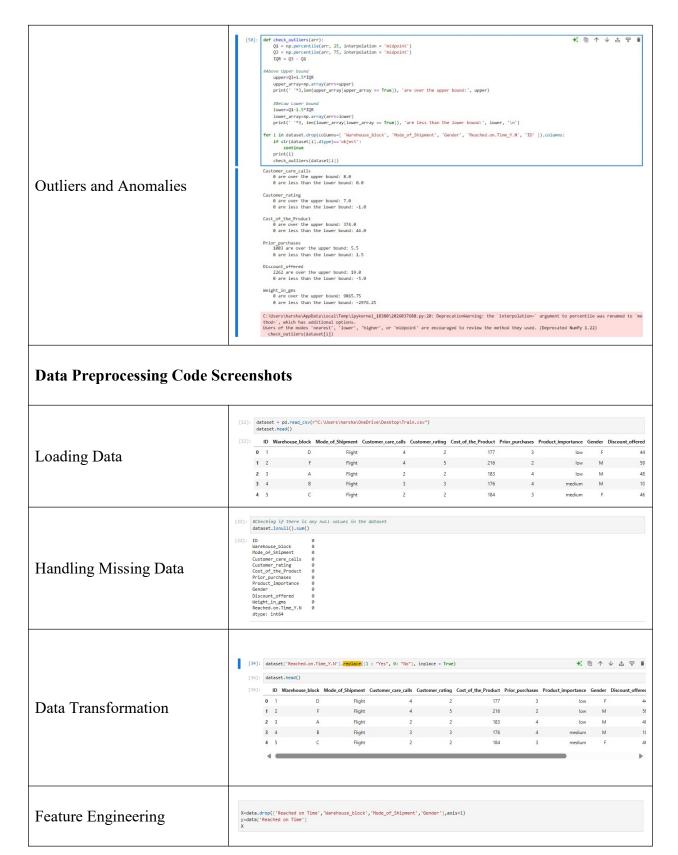
















	[98]:		re_calls	Customer_rating	Cost_of_the_Produ	ct Prior_	purchases	Product_importance	Discount_offered	Weight_in_gms
		0	4	2	1	77	3	low	44	1233
		1	4	5	2	16	2	low	59	3088
		2	2	2	11	83	4	low	48	3374
		3	3	3	17	76	4	medium	10	1177
D		4	2	2	1	34	3	medium	46	2484
ave Processed Data				***				***	***	
		10994	4	1	2	52	5	medium	1	1538
		10995	4	1	2	32	5	medium	6	1247
		10996	5	4	24	42	5	low	4	1155
		10997	5	2	2	23	6	medium	2	1210
		10998	2	5	15	55	5	low	6	1639
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