



Data Collection and Preprocessing Phase

Date	15 july 2024
Team ID	739816
Project Title	MARKET SEGMENTATION ANALYSIS
Maximum Marks	6 Marks

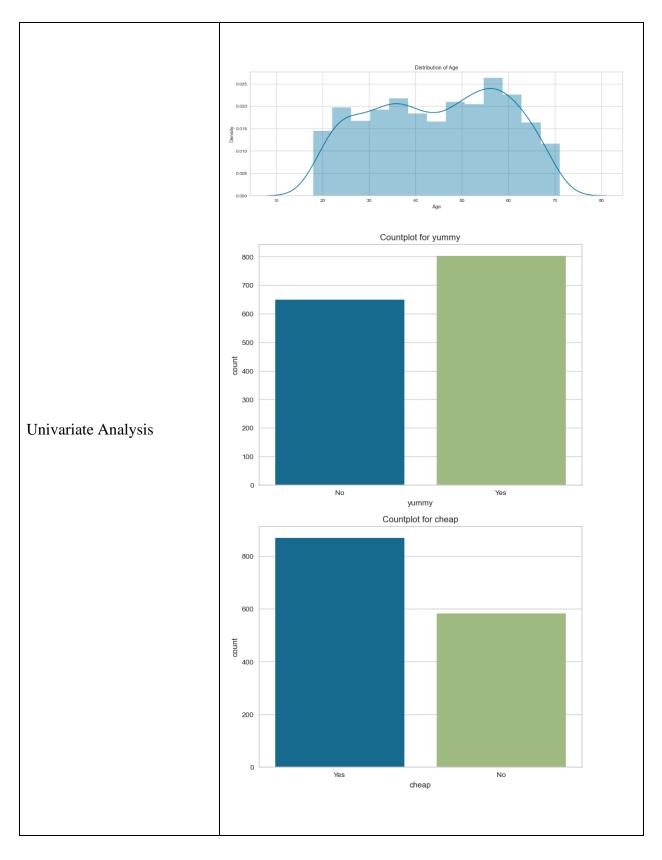
Data Exploration and Preprocessing Template

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

Section	Description
	DIMENSIONS=1453 ROWS X 15COLUMNS DESCRIPTIVE ANALYSIS:
	summy convenient spicy fattening greasy fast cheap tasty expensive healthy disgusting Like Age VisitFrequency Gender
Data Overview	count 1453,000000 1453.0 1453.0 1453.0 1453.0 1453.0 1453.0 1453.000000 1453.0 1453.000000 1453.000000 1453.000000 1453.0
Data Overview	mean 0.552650 0.0 0.0 0.0 0.526497 0.0 0.598761 0.644184 0.357880 0.0 0.0 4.458362 44,604955 2,637990 0.457674
	std 0.497391 0.0 0.0 0.0 0.499469 0.0 0.490318 0.478925 0.479542 0.0 0.0 3.407245 14.221178 1.756057 0.498377
	min 0.000000 0.0 0.0 0.0 0.000000 0.0 0.000000
	25% 0,000000 0,0 0,0 0,000000 0,0 0,000000 0,000000
	56% 1,000000 0.0 0.0 1.000000 0.0 1,000000 1,000000 0,000000 0.0 0.0 3,000000 45,000000 3,000000 0,000000
	75% 1,000000 0.0 0.0 1.000000 0.0 1,000000 1,000000 1,000000 0.0 0.0 8,000000 57,000000 4,000000 1,000000
	max 1,000000 0.0 0.0 1,000000 0.0 1,000000 1,000000 0.0 0 0.0 10,000000 0.0 0.0 1,000000 71,000000 5,000000 1,000000

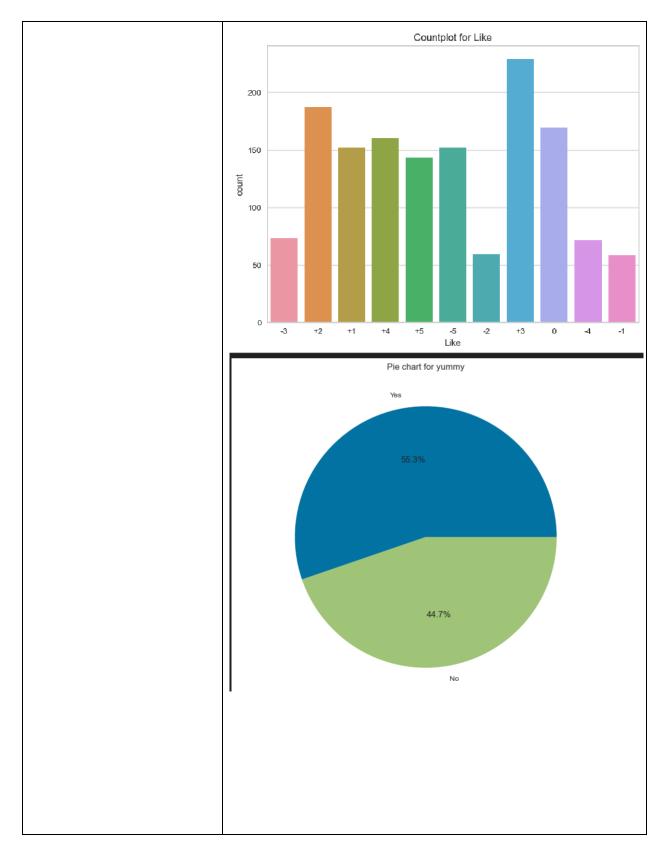






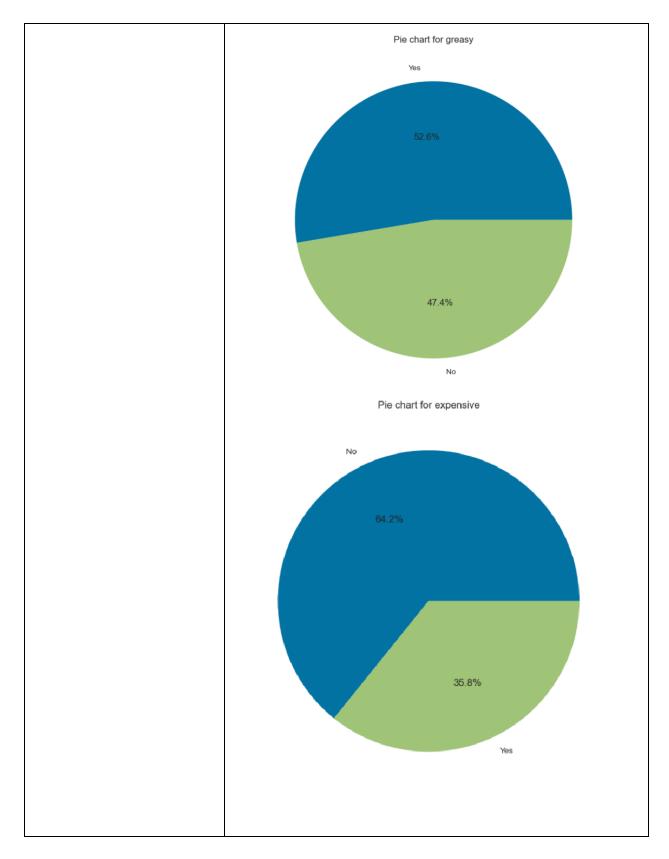






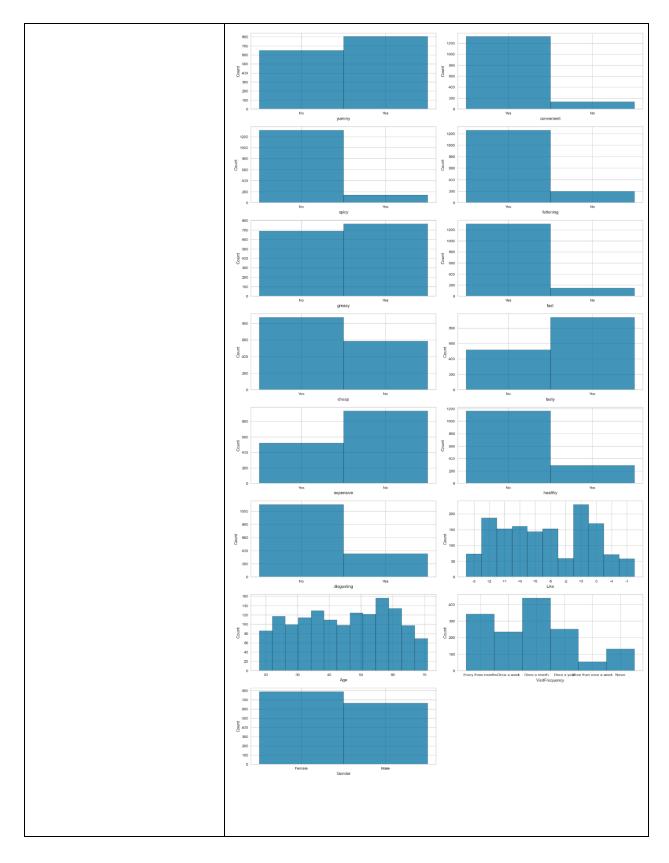






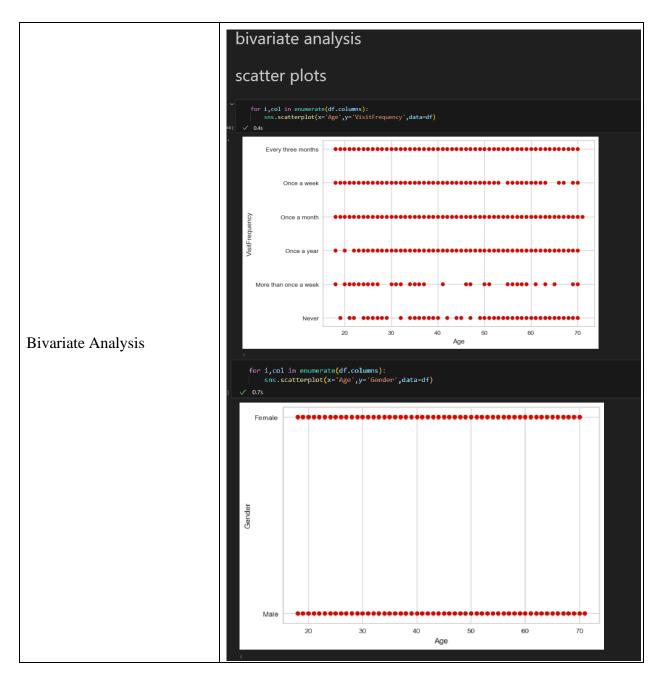






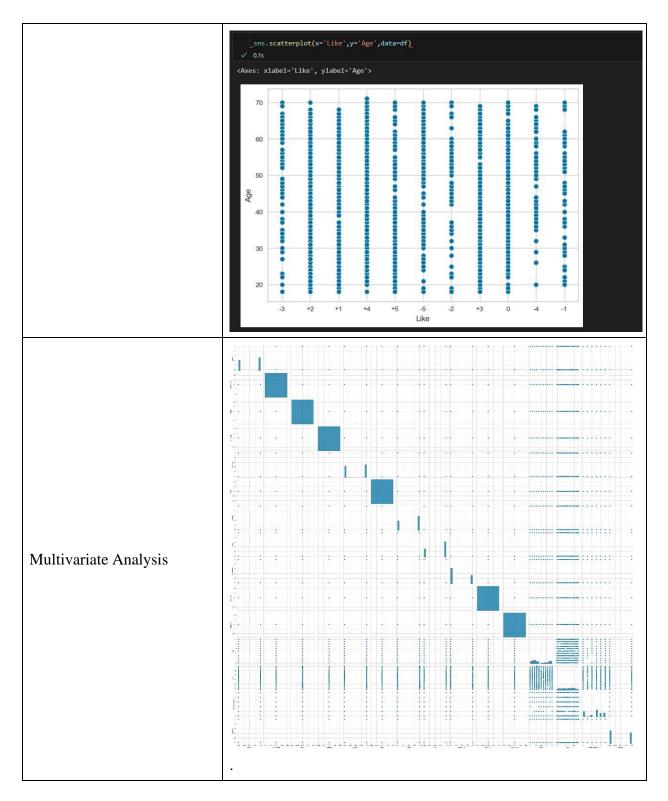






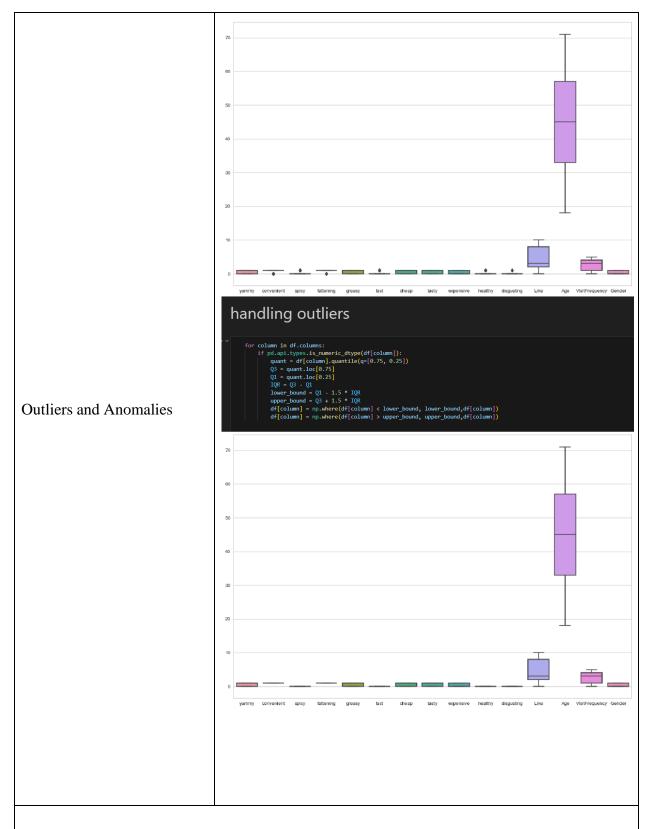












Data Preprocessing Code Screenshots





Loading Data	df-nead_csv(r"C:\Users\nagIn\Downloads\\acdonalds.csv") df.head() yummy convenient spicy fattening greasy fast cheap tasty expensive healthy disgusting Like Age VisitFrequency Gender No Yes No Yes No Yes No Yes No Yes No No -3 61 Everythree months Female Yes Yes No Yes Yes Yes Yes Yes No No No -2 51 Everythree months Female No Yes Yes Yes Yes Yes Yes Yes Yes No No No +1 62 Everythree months Female No Yes No Yes Yes Yes Yes Yes No No No Yes No No Yes No Ho Ale Once a week Female No Yes No Yes Yes Yes Yes Yes No No No Yes No +2 49 Once a month Male	
Handling Missing Data	No missing values found checking for null values	
Data Transformation	changing categorical values to float values label_encoder = LabelEncoder()	
Feature Engineering	Attached the codes in final documentation	





Save Processed Data	-