



Data Collection and Preprocessing Phase

Date	15 July 2024
Team ID	739885
Project Title	Golden Harvest: A Predictive Model for Apple Quality Assurance
Maximum Marks	6 Marks

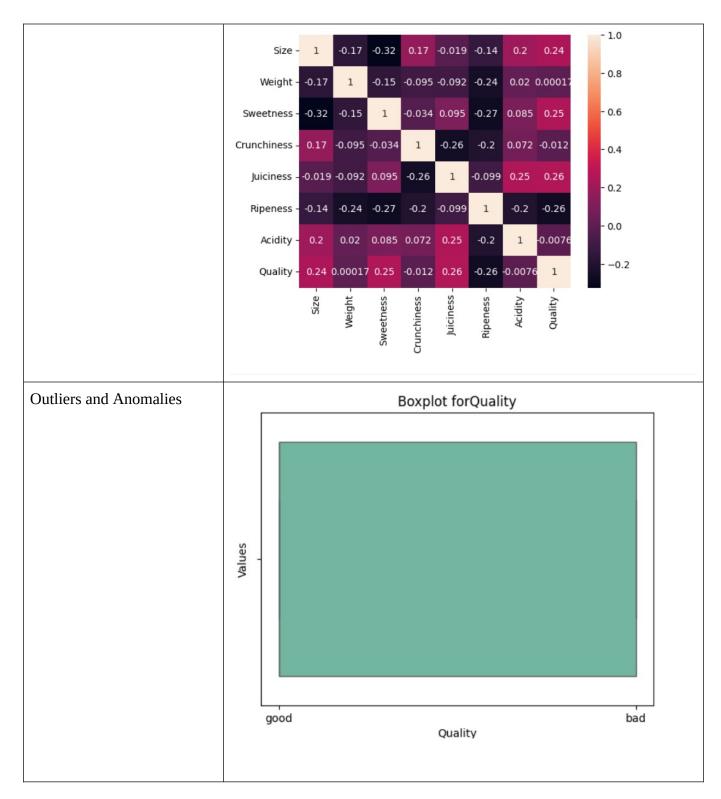
Data Exploration and Preprocessing Template

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

Section	Description										
	Descriptive Statistics										
	• data.describe()										
	_		A_id	Size	Weight	Sweetness	Crunchiness	Juiciness	Ripeness	Acidity	
		count	4000.000000	4000.000000	4000.000000	4000.000000	4000.000000	4000.000000	4000.000000	4000.000000	
		mean	1999.500000	-0.502695	-0.991229	-0.472248	0.984194	0.513127	0.498102	0.076639	
		std	1154.844867	1.917446	1.574517	1.931684	1.369437	1.917024	1.866614	2.101441	
Data Overview		min	0.000000	-5.750201	-5.075890	- 5.548946	-2.684440	-4.757179	- 4.578510	-5.709299	
Data Overview		25%	999.750000	-1.816765	-2.011770	-1.738425	0.062764	-0.801286	-0.771677	-1.377424	
		50%	1999.500000	-0.513703	-0.984736	-0.504758	0.998249	0.534219	0.503445	0.022609	
		75%	2999.250000	0.805526	0.030976	0.801922	1.894234	1.835976	1.766212	1.510493	
		max	3999.000000	4.738963	3.095097	4.612442	4.641439	5.791870	5.573044	5.842368	
	{x}		<pre>data.s</pre>								
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Univariate Analysis	-										
Bivariate Analysis	-										
Multivariate Analysis											

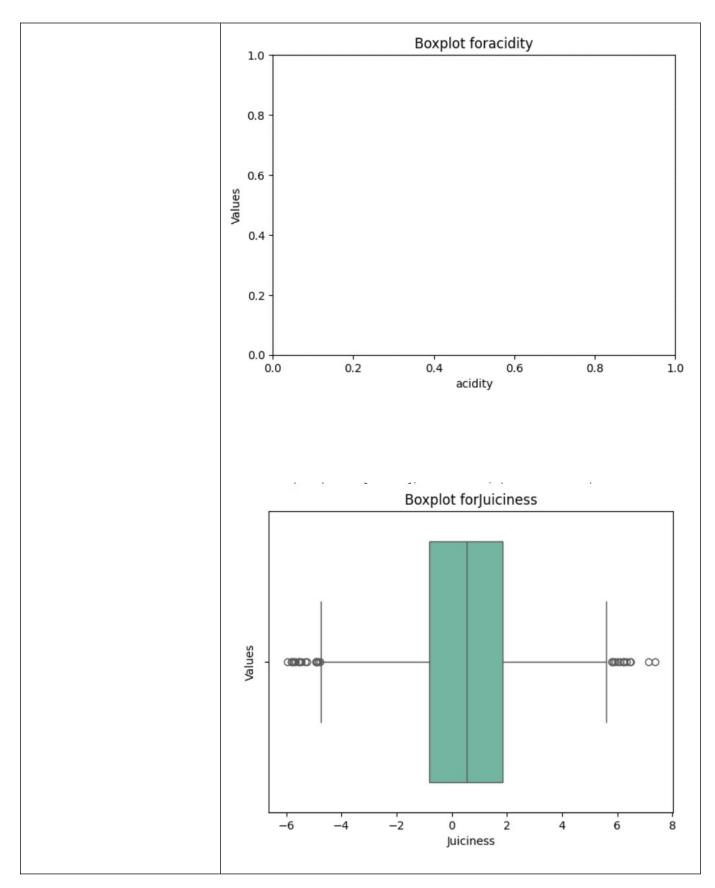






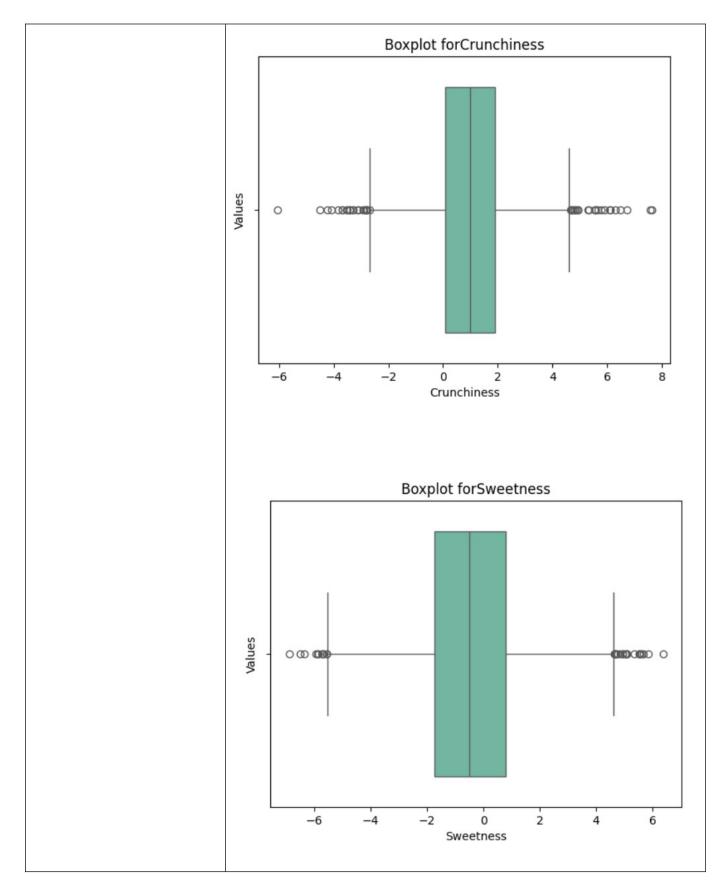






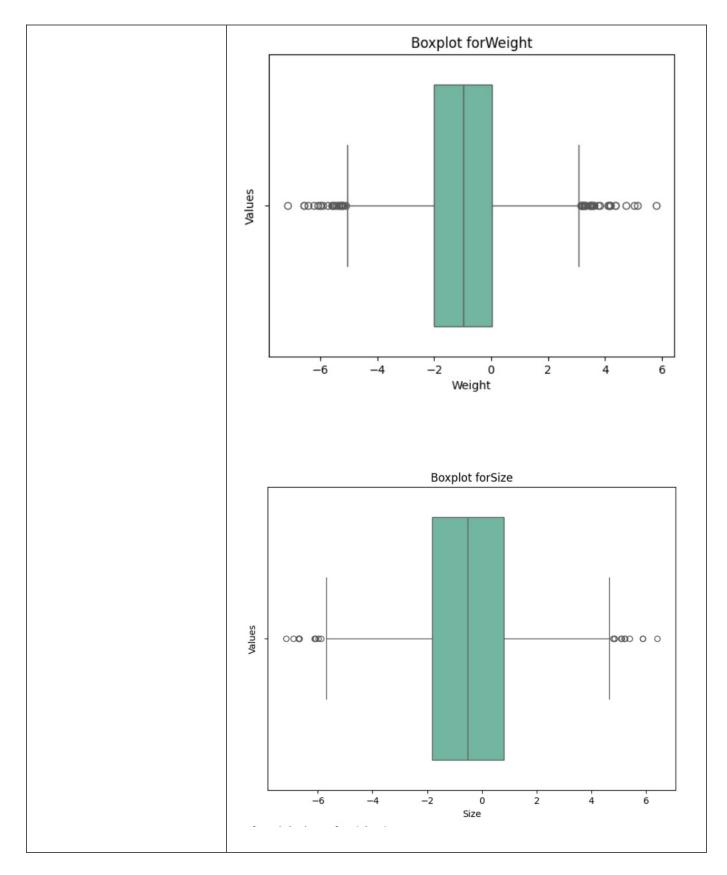






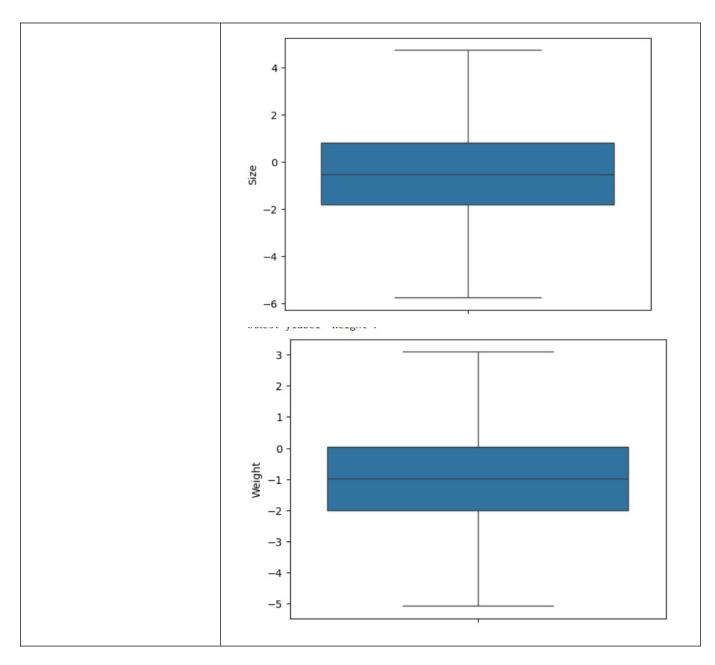






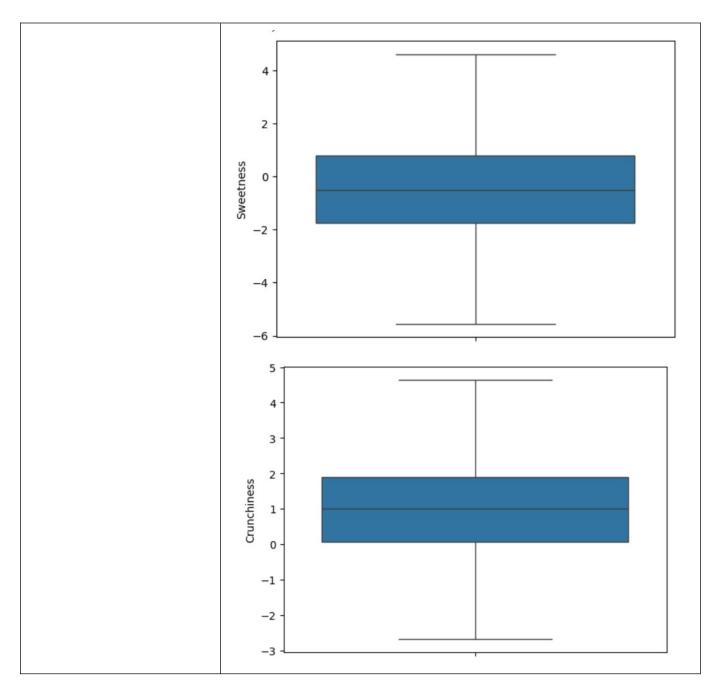






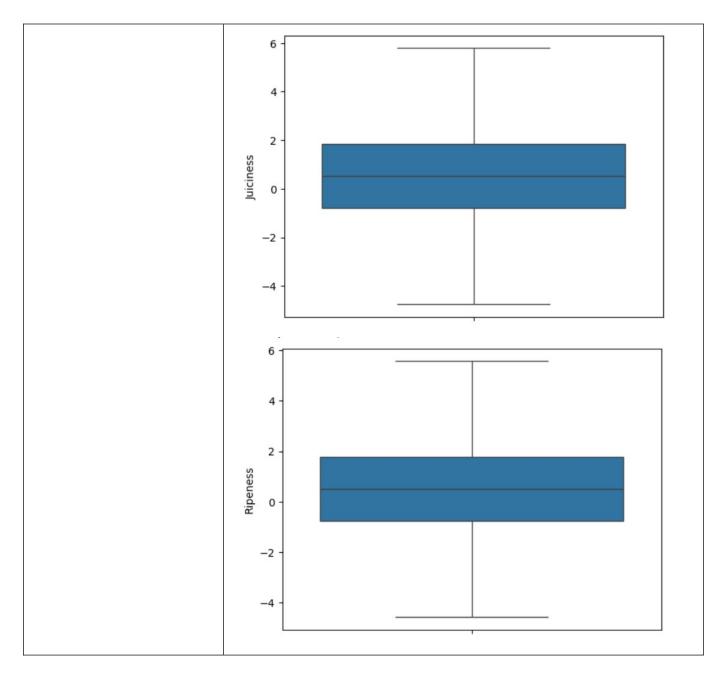






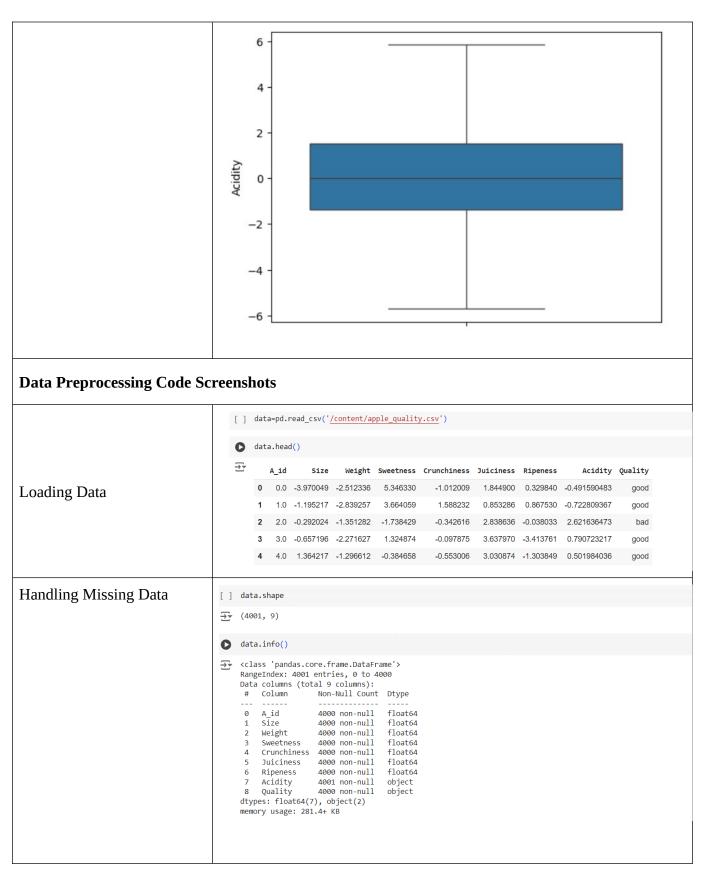
















	[] data.isnull().sum()
	A_id 1 Size 1 Weight 1 Sweetness 1 Crunchiness 1 Juiciness 1 Ripeness 1 Acidity 0 Quality 1 dtype: int64 [] data.dropna(inplace=True)
Data Transformation	-
Feature Engineering	Code for creating new features or modifying existing ones.
Save Processed Data	<pre>[] import pickle pickle.dump(model1,open("model.pkl","wb"))</pre>