



## **Data Collection and Preprocessing Phase**

Date	4 July2024
Team ID	740059
Project Title	Honey price prediction based on purity.
Maximum Marks	6 Marks

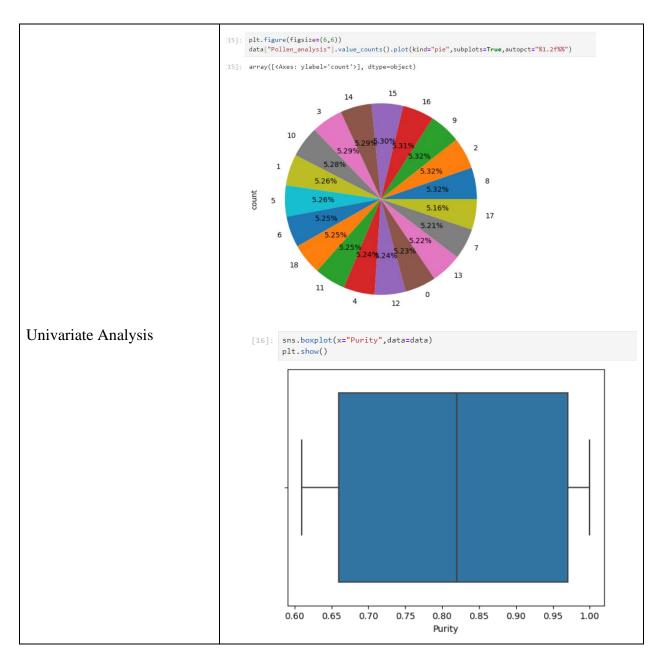
## **Preprocessing Template**

The images will be preprocessed by resizing, normalizing, augmenting, denoising, adjusting contrast, detecting edges, converting color space, cropping, batch normalizing, and whitening data. These steps will enhance data quality, promote model generalization, and improve convergence during neural network training, ensuring robust and efficient performance across various computer vision tasks.

Section	De	escr	riptio	n									
	[13]	[13]: data.describe()											
Data Overview	[13]		cs	Density	wc	рН	EC	F	G	Pollen_analysis	Viscosity	Purity	
		count	247903.000000	247903.000000	247903.000000	247903.000000	247903.000000	247903.000000	247903.000000	247903.000000	247903.000000	247903.000000	247903.
		mean	5.500259	1.535523	18.502625	4.996047	0.799974	34.970573	32.501006	8.993618	5752.893888	0.824471	594.
		std	2.593947	0.187824	3.748635	1.444060	0.057911	8.655898	7.226290	5.473649	2455.739903	0.139417	233.
		min	1.000000	1.210000	12.000000	2.500000	0.700000	20.000000	20.000000	0.000000	1500.050000	0.610000	128.
		25%	3.260000	1.370000	15.260000	3.750000	0.750000	27.460000	26.230000	4.000000	3627.880000	0.660000	433.
		50%	5.500000	1.540000	18.510000	4.990000	0.800000	34.970000	32.490000	9.000000	5753.770000	0.820000	612.
		75%	7.740000	1.700000	21.750000	6.250000	0.850000	42.470000	38.760000	14.000000	7886.650000	0.970000	770.
		max	10.000000	1.860000	25.000000	7.500000	0.900000	50.000000	45.000000	18.000000	9999.970000	1.000000	976.
		4											þ.

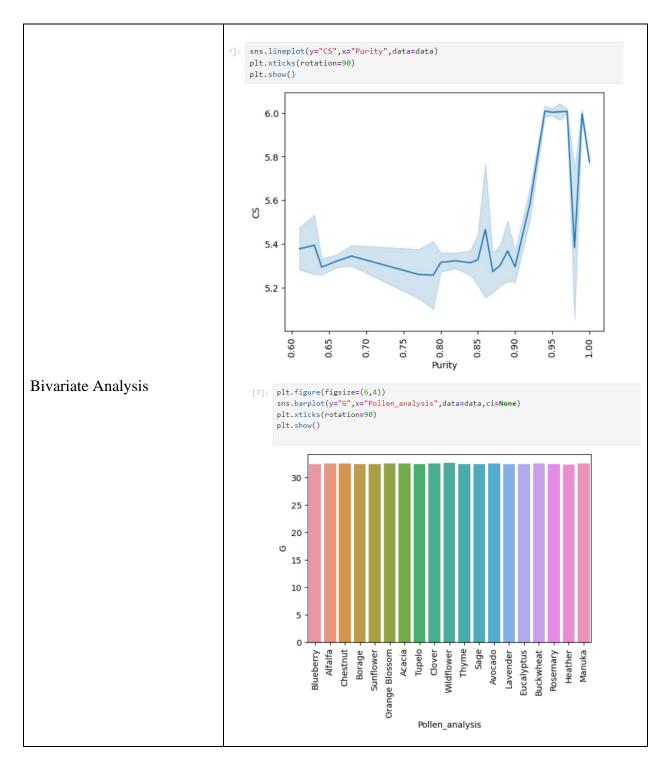






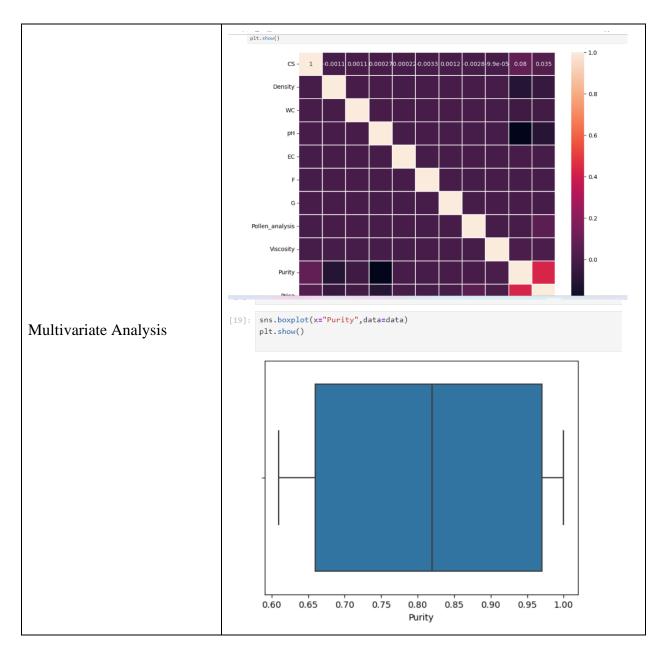






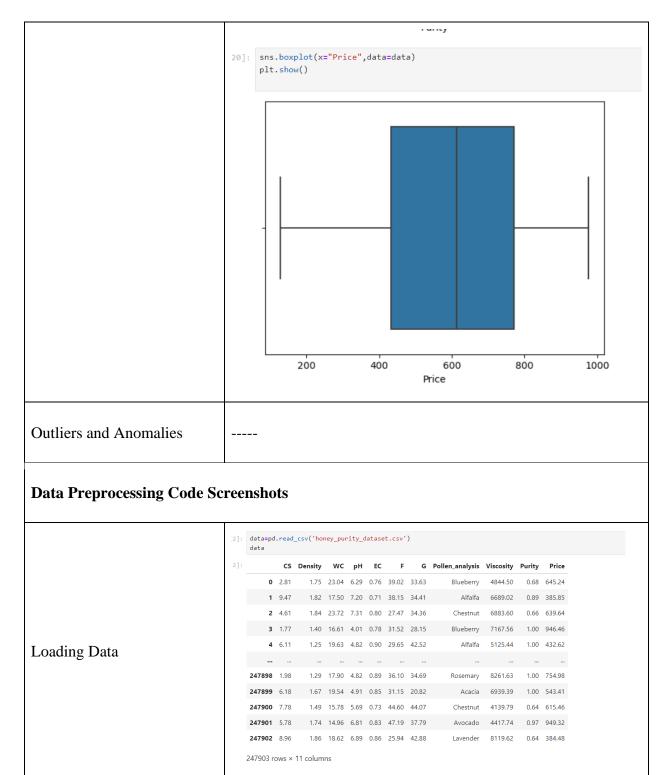
















	12]:	data.isnull().sum	()
Handling Null Values	12]:	CS Density WC pH EC F G Pollen_analysis Viscosity Purity Price dtype: int64	0 0 0 0 0 0 0 0
Outliers			