



Data Collection and Preprocessing Phase

Date	4 July 2025
TeamID	SWTID1750180871
Project Title	Mangonet: A Vgg16-Based Neural Network For Mango Classification
Maximum Marks	6 Marks

Data Exploration and Preprocessing Report:

Section	Description
Data Overview	Dimension: 1,600 images × 8 classes
Univariate Analysis	Number of Images per Mango Class 175 - 150 - 15
Bivariate Analysis	Not applicable—This is an image classification problem, and such analysis isn't directly applicable.
Multivariate Analysis	-
Outliers and Anomalies	No explicit detection for such outliers was performed.





Data Preprocessing Code Screenshots Loading Data Classification of data) val_generator - train_datagen.flow_from_directory(directory-path, target_size-(224, 224), batch_size-32, class_mode='categorical', subset-'validation' Feature Engineering Save Processed Data