Model Development Phase

Date	12 July 2024
Team ID	SWTID1720077079
Project Title	Wild Blueberry Yield Prediction
Maximum Marks	5 Marks

Feature Selection Report

Feature	Description	Selected (Yes/No)	Reasoning
Clonesize	The average blueberry clone size in the field	Yes	Univariate, bivariate, multivariate analysis shows good correlation
Honeybee	Honeybee density in the field	Yes	Univariate, bivariate, multivariate analysis shows good correlation
Bumbles	Bumblebee density in the field	Yes	Univariate, bivariate, multivariate analysis shows good correlation
Andrena	Andrena bee density in the field	Yes	Univariate, bivariate, multivariate analysis shows good correlation

Osmia	Osmia bee density in the field	Yes	Univariate, bivariate, multivariate analysis shows good correlation
MaxOfUpperTRange	The highest record of the upper band daily air temperature during the bloom season	Yes	Univariate, bivariate, multivariate analysis shows good correlation
MinOfUpperTRange	The lowest record of the upper band daily air temperature	Yes	Univariate, bivariate, multivariate analysis shows good correlation
AverageOfUpperTRange	The average of the upper band daily air temperature	Yes	Univariate, bivariate, multivariate analysis shows good correlation
MaxOfLowerTRange	The highest record of the lower band daily air temperature	Yes	Univariate, bivariate, multivariate analysis shows good correlation
MinOfLowerTRange	The lowest record of the lower band daily air temperature	Yes	Univariate, bivariate, multivariate analysis shows good correlation
AverageOfLowerTRange	The average of the lower band daily air temperature	Yes	Univariate, bivariate, multivariate analysis shows good correlation

RainingDays	The total number of days during the bloom season, each of which has precipitation larger than zero	Yes	Univariate, bivariate, multivariate analysis shows good correlation
AverageRainingDays	The average of raining days of the entire bloom season	Yes	Univariate, bivariate, multivariate analysis shows good correlation
fruitset	Refers to the proportion of flowers that develop into fruits.	No	Shows very low correlation with other features from multivariate analysis
fruitmass	Indicates the mass (weight) of the fruits.	No	Shows very low correlation with other features from multivariate analysis
seeds	Represents the number of seeds produced within the fruits.	No	Shows very low correlation with other features from multivariate analysis