Model Development Phase Report

Date	7 July 2024
Team ID	6
Project Title	Abalone Age Prediction
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Sex	Sex of Abalone	Yes	For predicting the Abalone Age Sex of Abalone is required.
Length	Length of Abalone	Yes	For predicting the Abalone Age Length of Abalone will also be useful.
Diameter	Diameter of Abalone	Yes	Diameter of Abalone can impact Abalone Age.

Height	Height of Abalone	Yes	Indicates Height of Abalone which will also be used to calculate Abalone Age.
Whole weight	Whole weight of Abalone	Yes	Whole weight of Abalone may also be used in calculating Abalone Age.
Shucked weight	Shucked weight of Abalone (Weight of edible part of Abalone after getting removed from shell)	Yes	Shucked weight is one of the crucial features in determining the Abalone Age.
Viscera weight	Viscera weight of Abalone (Weight of internal organs of Abalone excluding shell)	Yes	Viscera weight provides a more accurate prediction of Abalone Age.
Shell weight	Shell weight of Abalone	Yes	Shell weight is also used in predicting Abalone Age.
Rings	Number of rings of Abalone	No	Number of Rings may not be used in predicting Abalone Age.