

Model Development Phase Template

Date	10 June 2024
Team ID	740056
Project Title	Beyond The Veil Of Wellness: Machine Learning's Unique Journey In Animal Health Classification
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
Age	Age of the animal	Yes	High correlation with health outcomes
Weight	Weight of the animal	Yes	Significant predictor in various models
Diet Type	Type of diet (e.g., carnivorous, herbivorous)	No	Low variance, not a significant predictor
Activity Level	Daily activity level (e.g., low, moderate, high)	Yes	Strong indicator of overall health

Breed	Breed of the animal	No	High collinearity with other selected features
Medical History	Previous medical conditions	Yes	Critical in predicting current health status
Environment	Living environment (e.g., indoor, outdoor)	No	Low impact on model performance
Vaccination	Vaccination status	Yes	Key factor in preventing certain diseases
Genetics	Genetic predispositions	No	Insufficient data to support inclusion
Symptoms	Observable symptoms (e.g., coughing, lethargy)	Yes	Directly related to health classification