

Model Development Phase Template

Date	15 June 2024
Team ID	739820
Project Title	Predicting the unpredictable: A Look into the World of Powerlifting.
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
Lifter_id	Unique identifier for each lifter	No	For predicting performance, a lifter id is not required.
Gender	Lifter's gender	Yes	Relevant for analyzing performance differences by gender.
Age	Lifter's age	Yes	Age can influence strength and performance.
Weight_Class	Lifter's weight class	Yes	Weight class is crucial for comparing performance

Training_Hours_Per_Week	Average training hours per week	Yes	Training intensity impacts performance.
Years_Experience	Number of years of lifting experience	Yes	Experience level affects skill and performance.
Squat_Max	Maximum squat weight lifted	Yes	Key performance metric in powerlifting.
Bench_Press_Max	Maximum bench press weight lifted	Yes	Key performance metric in powerlifting.
Deadlift_Max	Maximum deadlift weight lifted	Yes	Key performance metric in powerlifting.
Competition_Experience	Number of competitions participated in	Yes	Competition experience can affect performance under pressure.
Nutrition_plan	Whether the lifter follows a structured nutrition plan	Yes	Nutrition impacts strength and recovery.
Injury_History	History of any major injuries	Yes	Injury history can affect current and future performance.