

Model Development Phase Template

Date	21 June 2024
Team ID	739812
Project Title	Eudaimonia Engine: Machine Learning Delving into Happiness 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
info avail	the availability of information about the city services	Yes	For predicting the output happy and unhappy info avail is required.
house cost	the cost of housing	Yes	For predicting the output house cost is also an important role in making the residents of a city happier with their lives.
school quality	the overall quality of public schools	Yes	For predicting the output school quality is required.

police trust	your trust in the local police	Yes	For predicting the people in city are happy or unhappy police trust is mandatory.
street quality	the maintenance of streets and sidewalks	Yes	For predicting the people in city are happy or unhappy street quality is required.
events	the availability of social community events	Yes	Events are one of the most important aspects in a community for the happiness of people.
happy	decision attribute (D) with values 0 (unhappy) and 1 (happy)	Yes	Happy is the decision attribute which tells people in the city are unhappy and happy according to the