Model Development Phase Template

Date	10 July 2024
Team ID	739895
Project Title	Rising Waters: Machine Learning Approach To Flood Prediction
Maximum Marks	5 Marks

Model Selection Report

There are several Machine learning algorithms to be used depending on the data you are going to process such as images, sound, text, and numerical values. The algorithms that you can choose according to the objective that you might have it may be Classification algorithms or Regression algorithms.

Example: 1.KNN Regression
2. Xgboost Regression
3. Random Forest Regression / Classification.
4. Decision Tree Regression / Classification.

You will need to train the datasets to run smoothly and see an incremental improvement in the prediction rate.

Model Selection Report:

Model	Description	Hyperparameters	Accuracy
Logistic Regression	Logistic regression is the appropriate regression analysis to conduct when the dependent variable is binary.	-	-
Random Forest	A random forest is an ensemble learning method used for classification, regression, and other tasks that operates by constructing multiple decision trees during training and outputting the mode of the classes (for classification) or mean prediction (for regression) of the individual trees.	-	96%