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# Problem statement

Keywords:

water safety in terms of disaster

Prediction of water Safety for saving life and livelihood

Prediction methodology with the trend of the present

Tell the way that this research will be used

# Literature review

Keywords:

Neural network (include paper that use this)

XGBoost (include paper)

Decision tree (include paper)

Table of compare accuracy between this 3 algorithms or others

In this research, we applied these three algorithms for evaluating the models for predicting the problems concerning water safety.

# Methodology

Flow chart

Data analysis

* Source of data (Given by Aj.)
* Detecting missing data
* Visualization
* Correlation analysis
* Pre-processing

Pruning

Machine learning

* 1 st algorithm NN
* 2 nd algorithm XGBoost
* 3 rd algorithm Decision tree
* Special Decision tree with KNN(?/clustering)

Check the performance of the algorithms by

* Debugging
* Learning curve
* Select accuracy, precision, recall or etc. and tell the reason

A chart with numbers and symbols

AI-generated content may be incorrect.

Implementation model by pruning the parameter that have a negative correlation with dependent value (is\_safe)

# Results and discussion

# References