

Project on Water Quality

Access to safe drinking-water is essential to health, a basic human right and a component of effective policy for health protection. This is important as a health and development issue at a national, regional and local level. Our goal is to classify the water potability

Dataset: contains water quality metrics for 3276 different water bodies with 9 factors affecting the potability of the water (which Indicates if water is safe for human consumption where 1 means Potable and 0 means Not potable.)

The project implementation steps will go as follows:

- Understand the dataset attributes
- Apply the required data preprocessing methods
- Divide your data set to training and testing data
- Implement the classification model that suits the project best
- investigate the performance of your classifier on detecting the quality of water
- Mention your observations and study the parameters (features) that play a vital role in water potability.
- After building the classifier model. Use the testing data set to predict the water potability and calculate the error percentage