EFFICIENT WATER QUALITY ANALYSIS & PREDICTION USING MACHINE LEARNING

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LITERATURE SURVEY

NAME	AUTHOR	CONTENT	ACCESS
Predicting and Analyzing Water Quality using Machine Learning: A Comprehensive Model	Yafra Khan Faculty of Computer Science and Information Technology Universiti Malaysia Sarawak Kota Samarahan.	For the purpose of evaluating the performance of model, the performance evaluation measures used are Mean-Squared Error (MSE), Root Mean-Squared Error (RMSE) and Regression Analysis. Previous works about Water Quality prediction have also been analyzed and future improvements have been proposed in this paper.	IEEE access
Predicting Water Quality Parameters Using Machine Learning	Nikhil M Ragi Electronics and Communication Engineering R V College of Engineering Bangalore, India	This paper gives brief methodology to predict unknown parameters such as Alkalinity, Chloride, Sulphate values using known parameters such as pH, Electrical Conductivity ,TDS etc	IEEE access

LITERATURE SURVEY

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Data Analysis, Quality Indexing and Prediction of Water Quality for the Management of Rawal Watershed in Pakistan	Maqbool Ali, Ali Mustafa Qamar Department of Computing School of Electrical Engineering and Computer Science (SEECS) National University of Sciences and Technology (NUST) Islamabad, Pakistan	To find the quality index of water, Average Linkage (Within Groups) method of Hierarchical Clustering using Euclidean distance is an accurate unsupervised learning technique. Similarly, for classifications, Multi-Layer Perceptron (MLP) has been found to be more accurate supervised learning technique	IEEE access
Predictive Models for River Water Quality using Machine Learning and Big Data Techniques - A Survey	Vijaya M S , Associate Professor, Department of Computer Science, PSGR Krishnammal College for Women, Peelamedu Coimbatore, India	This paper analyses various prediction models developed using machine learning and big data techniques and their experimental results of water prediction and evaluation. Various challenges and issues are reviewed and possible solutions to some research issues are proposed.	IEEE access

LITERATURE SURVEY

NAME	AUTHOR	CONTENT	ACCESS
Water Quality Index Based Prediction of Ground Water Properties for Safe Consumption	P.M.S.S.B.Gurunathna Faculty of computing,Srilanka	With machine learning techniques, the implementation was done by the Water Quality Index (WQI) which is a single numeric index that mirrors the overall quality of water with high accuracy.	IEEE access