NATURAL DISASTERS INTENSITY AND ANALYSIS ANDCLASSIFICATION USING ARTIFICIAL INTELLIGENCE

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Introduction:

Natural disasters are events that are difficult to avoid. There are several ways of reducing the risks of natural disasters. One of them is implementing disaster reduction programs. Big data, machine learning is mostly used. By utilizing this method , it facilitates tasks in visualizing, analyzing, and predicting natural disaster. Here is, the use of big data, machine learning, and deep learning in 6 disaster management area. This 6-disaster management area includes early warning damage, damage assessment, monitoring, detection, forecasting , predicting, and post-disaster coordination, response, long-term risk assessment and reduction. To find out whether the previous research solved the problem in the prediction area and early detection we must know the data source used already has 5'v characteristics, namely Velocity, Volume, Value, Variety, and Veracity. The performance level of the model made is good or not from the level of accuracy, precision, recall, and the execution time. The propose of this study to give an insight and the use of big data, machine learning, and deep learning from 6 disaster area which is early warning damage, damage assessment.

LITERATURE SURVEY

S.NO.	PAPER	AUTHOR	YEAR
1.	**Natural Disasters Intensity Analysis and Classification Based on Multispectral Images Using Multi-Layered Deep Convolutional Neural Network**	Muhammad Aamir, Tariq, Irfan, Ahmad, Azam, Adam, Frantise Brumercik, Witold.	2021
2.	**Damage mapping using U-Net convolutional network.**	Yanbing Bai, Eric Mas, Schunichi Koshimura	2018
3.	**Natural Disaster Application on Big Data and Machine Learning**	Rania rizki Arinta, Andi Wahju	2019
4.	**Earthquake risk assessment in NE Indiausing deep learning and geospatial analysis**	Ratiranjan Jena a, Biswajeet Pradhan, Sambit Prasanajit Naikd, Abdullah M. Alamri	2021
5.	**Natural disaster Monitoring with Wireless Sensor Networks**	Dan Chen, Zhixin Liu, LizheWang, Minggang Dou	2013