EARTHQUAKE PREDICTION

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ABSTRACT:

Among the countless natural disasters, earthquakes are capable to inflict vast devastation to a large number of buildings and constructions at the blink of an eye. Lack of knowledge and awareness on earthquake as well as its comeback is conspicuous and results in disaster; leading to bitter memories. Therefore, earthquake forecast has been a polemical study theme that has defied even the most intelligent of minds

In this session an attempt was made to predict the earthquake over an area. To predict earthquake over an area we created machine learning model. The approach used to create the machine learning model is tree-based ML model know as a random forest algorithm.

Advantage of using random forest algorithm

The random forest technique can handle big data with numerous variables running into thousands

It can automatically balance data sets when a class is more infrequent than other classes in the data

Among all the available regression methods, random forests provide the highest accuracy.

They also offer a superior method for working with missing data.

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