Earthquake prediction

Earthquake Prediction using deep Learning and the Python programming language. Predicting earthquakes is one of the great unsolved problems in the earth sciences.With the increase in the use of technology, many seismic monitoring stations have increased, so we can use deep learning and other data-driven methods to predict earthquakes.

It is well known that if a disaster occurs in one region, it is likely to happen again. Some regions have frequent earthquakes, but this is only a comparative amount compared to other regions.

So, predicting the earthquake with date and time, latitude and longitude from previous data is not a trend that follows like other things, it happens naturally.

main characteristics of earthquake data and create an object of these characteristics, namely, date, time, latitude, longitude, depth, magnitude

Neural Network for Earthquake Prediction

Now neural network to fit the data from the training set. Our neural network will consist of three dense layers each with 16, 16, 2 nodes and reread. Relu and softmax will be used as activation functions:

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