

EARTHQUAKE PREDICTION

Subject / Problem

Complex tectonic plate boundaries in Turkey make the country highly susceptible to seismic activities. Understanding and predicting earthquake risks is crucial for disaster preparedness and damage mitigation. This project aims to analyze past earthquake data to develop a comprehensive understanding of seismic risks and create an applicable earthquake risk map for Turkey.

Dataset

- [Turkey Earthquakes 1915-2021 \(Kaggle\)](#)
- [Natural Hazards and Earth System Sciences](#)
- [Turkey Earthquake Data \(Humanitarian Data Exchange\)](#)

Model

- CNN (Convolutional Neural Networks)
- KNN (K-Nearest Neighbors)
- Decision Tree
- Random Forests
- Neural Networks and Deep Learning

SDGs

11: Sustainable Cities and Communities

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