

Title: "Advancements in Earthquake Prediction: A Python-Based Machine Learning Approach"

Abstract: This study presents a novel earthquake prediction model leveraging Python and machine learning techniques. We explore the integration of seismic data, geospatial features, and historical earthquake patterns to develop a robust predictive model. Through comprehensive analysis and feature engineering, our Python-based solution aims to enhance the accuracy of earthquake predictions, contributing to early warning systems and improved disaster preparedness. The results demonstrate promising outcomes, highlighting the potential for practical implementation in seismic risk mitigation strategies.