

# EARTHQUAKE ANALYSIS

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**Abstract.** This work will analyze earthquake data provided by the Los Alamos National Laboratory. We will create a model to predict earthquakes and win a Kaggle competition.

## 1 Problem Statement

Earthquakes cause deaths and massive damage. They are difficult to predict relative to other natural disasters. This analysis aims to produce a model which will predict earthquakes more accurately than TBD ...

### 1.1 Experiment Design

Data will be attained from a Kaggle Competition sponsored by the Los Alamos National Laboratory: [www.kaggle.com/c/LANL-Earthquake-Prediction](http://www.kaggle.com/c/LANL-Earthquake-Prediction). Because the data in this competition is simulated we may need to pursue real data from an alternate source. This will be determined after consultation with our advisor and instructor.

**This is another section.** We assume that  $H$  is  $(A_\infty, B_\infty)$ -subquadratic at infinity, for some constant ...

*Notes and Comments.* The first results on subharmonics were ...