

# DIT866 Writing assignment 1

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## 1 Introduction

I have chosen to read and discuss the paper written by: DeVries et al., *Deep Learning of Aftershock Patterns Following Large Earthquakes*. from Nature 560, 632-634 (2018)

## 2 Discussion

The objective of the project written about in the paper is to model the spatial distribution of aftershocks after major earthquakes. How they modeled this task was by dividing the area 100km horizontally and 50km vertically from the from each mainshock rupture plane into  $5\text{km} \times 5\text{km} \times 5\text{km}$  cubes, which they later performed a binary classification task where a one meant that there have occurred an aftershock in the given cube between 1 se