

Crowdsourced Cartographic Catastrophe Analysis

A Waitlisters Project

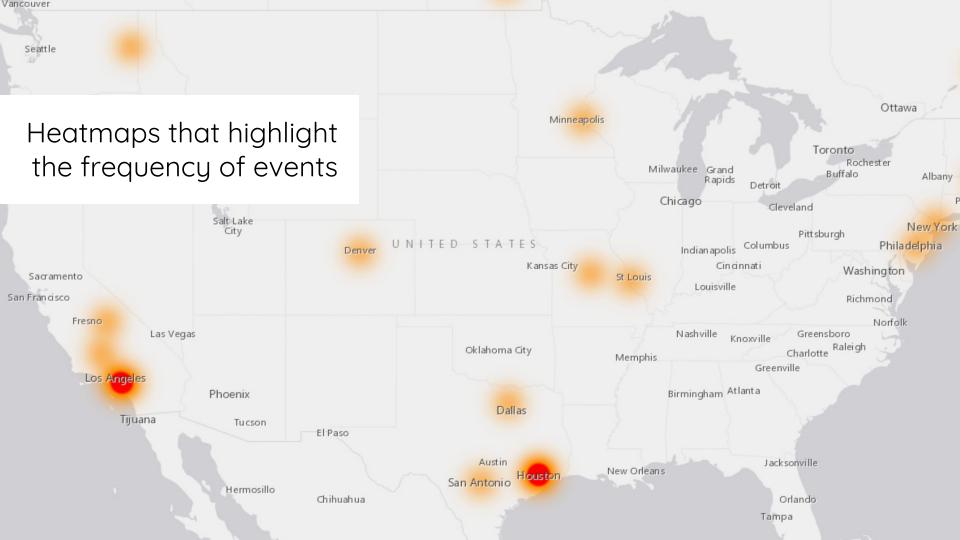
Uses the frequency of tweets with location enabled and keywords relevant to natural disasters to form a heatmap from which first responders and helpers can decide which areas are most in need of assistance.

SOS



## Gathering the data

Uses the tweepy library to scan for tweets with keywords like 'earthquake', 'flood' or 'wildfire' and gather their metadata. Then use the geopy library to turn the location of the tweets into GPS coordinates and write out to a .csv file for processing.





## In the future...

- > Use machine learning to filter out noise and make sure that the maps only represent meaningful data.
- > Find nearby emergency response services and alert them of the need for help
- > Make a twitter bot that would tweet out the location and severity of natural disasters

and turning them into heatmaps.

This can have many other applications - identifying

popular events and trends based on twitter activity