Project Name:

Warriors’ Wildfire Prediction Analysis

Team:

The Warriors

Members:

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Objective:

**Predict outbreaks of wildfires** (location based?)(weather)(seasons/time of year)(private/public lands)(affluency)(top/probable causes)

We would like to examine the trends and correlations between wildfires and contributing factors for the last 30 years to see if we can uncover trends or patterns to help predict future fires.

Scope:

Only US wildfires.

Data from 1992 onwards.

Data Sources:

<https://www.kaggle.com/rtatman/188-million-us-wildfires> (large dataset)

<https://www.kaggle.com/ananthu017/california-wildfire-incidents-20132020> (sample dataset)

Google Maps API

Census Data

OpenWeather API

Questions:

What are the largest correlative factors in wildfire occurrences?

Can we predict the severity (acres/burn time/loss) of a fire based on any of these factors?

Can we predict where a wildfire will start next based on any of these factors?