Forest Fires in the U.S

By: Arturo Delgado

Thats a lot of damage.

Why care?

My data

Kaggle

Total 1.88 million

Sample of 100k

39 column

Collected: 1992-2015

Tools

Libraries: pandas, sklearn, numpy, matplotlib
Python

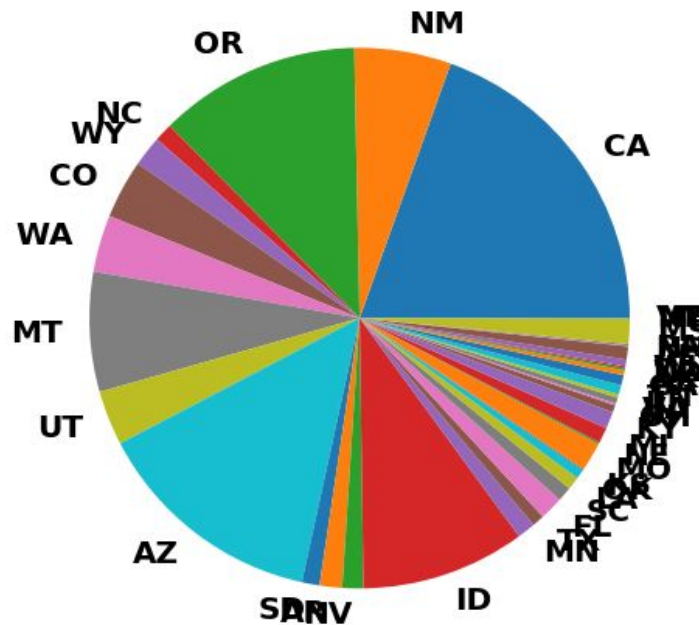# States count of wildfires

California: 20k

Arizona: 14k

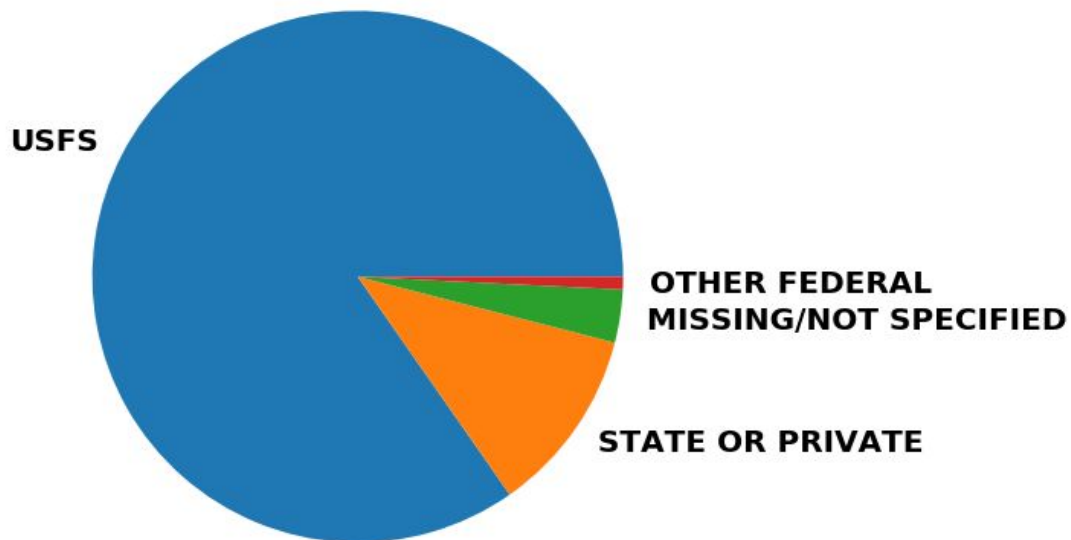Oregon: 12k

Idaho: 10k

Montana: 8k

Owner of the land

85k from USFS

12k from State or Private
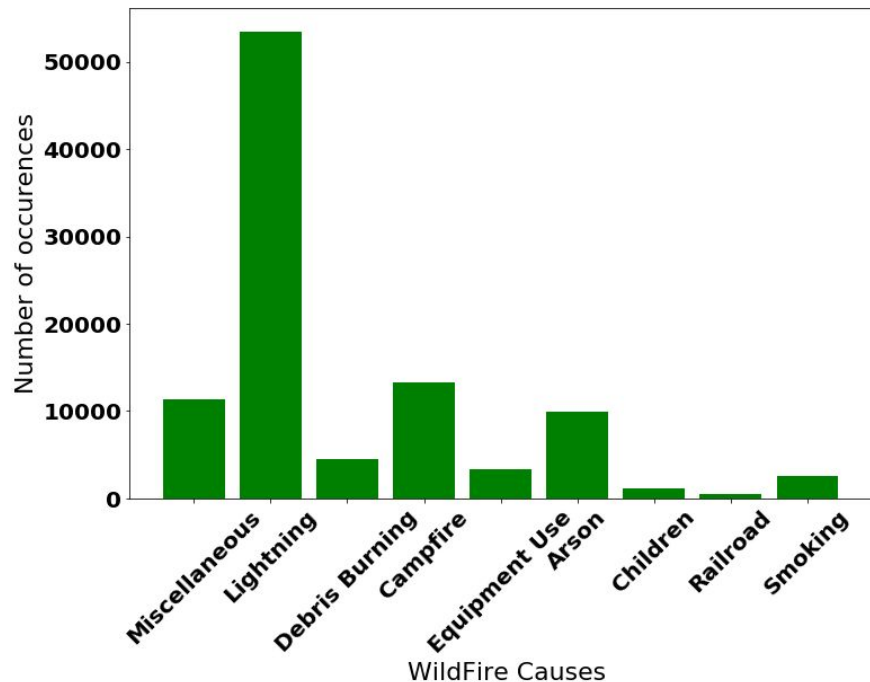
3k missing not specified

1k Federal

Causes of WildFire

Top 3 causes:

- Lightning
- Campfires
- Miscellaneous

XGBoost no params

Average scores

F1: .33~
Recall: .32~
Precision: .45~
Accuray: .68~

Next Steps

- Run already coded models
- Improve scores
- Code neural network

Thank You!

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