Droughts in the USA

May, 2021

Team



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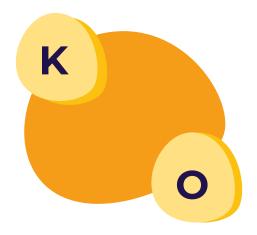




We analyzed the droughts levels across the US and its possible correlation with wildfires throughout the years 2000 to 2016.

Our Data

United States
Droughts by County.
Source: Kaggle.com



MTBS Source: mtbs.gov

Questions

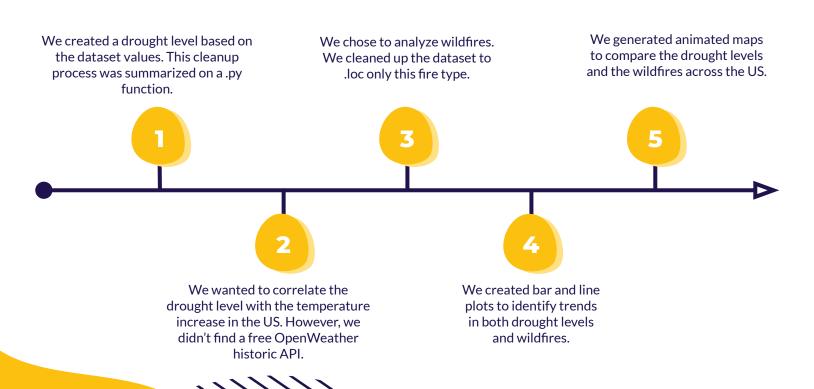
Droughts

- Where are droughts generally located in the US?
- How does the drought intensity vary in the US?

Fires

 How does the wildfires locations correlate with the droughts in the US?

Data Cleanup & Exploration



Droughts Levels













No drought

Abnormally dry conditions

Moderate drought

Severe drought

Extreme drought

Exceptional drought

Fire Types



Any fire intentionally ignited by management actions in accordance with applicable laws, policies, and regulations to meet specific objectives.



An event dealing with the management of a naturally ignited wildland fire to accomplish specific prestated resource management objectives in predefined geographic areas outlined in the Fire Management Plans.



An unplanned, unwanted wildland fire including unauthorized human-caused fires, escaped wildland fire use events, escaped prescribed fire projects, and all other wildland fires where the objective is to put the fire out

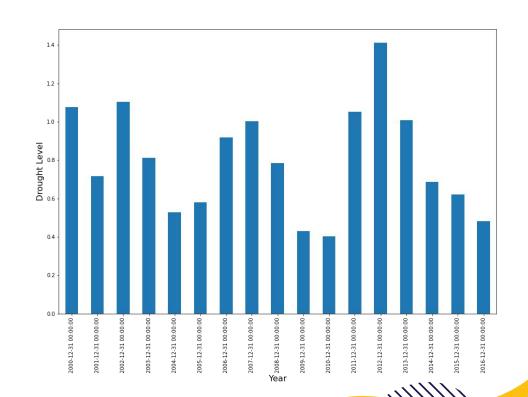
Average National Drought Level in the US

1.4

Has been the highest average drought level, it occurred in 2012.

2.4

Is the highest drought average level, located in Churchill County, Nevada.



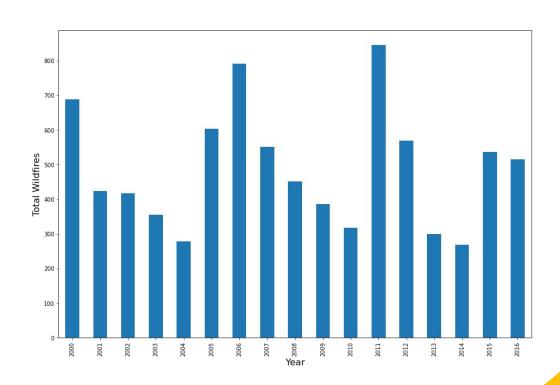
Wildfires in the US per Year

8,303

Wildfires in the US

2011

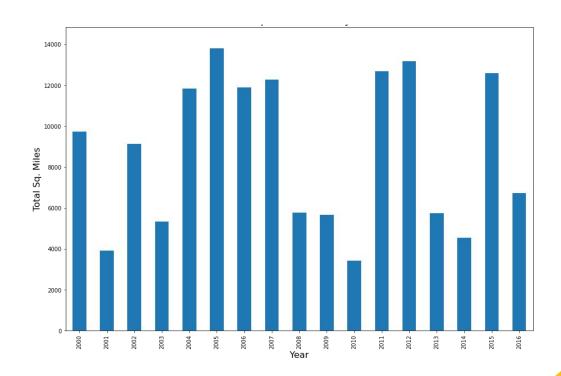
Was the year with most wildfires, 846.



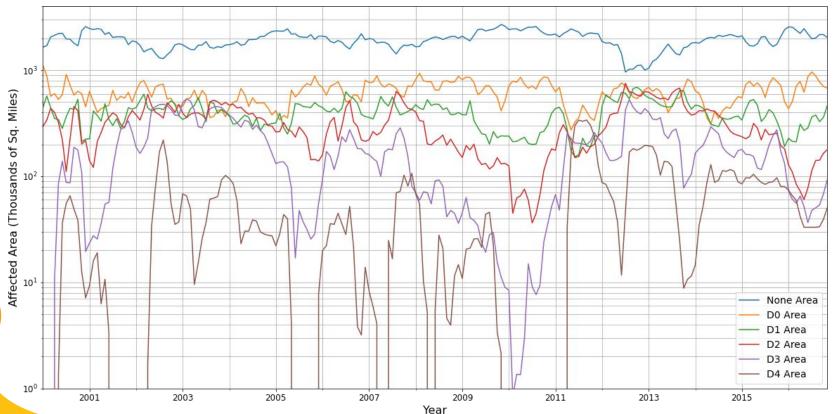
Sq. Miles Burned by Year

2005

Was the year with the most sq. miles burned in this period.



Continental US Drought Area by Level



Drought Level VS Wildfires in the US

