

# #teamwildfyre



# UBC BC Wildfires Dataset

## 2017

- The summer of **2017** was one of the worst wildfire seasons in British Columbia's history
- The fire season prompted a Provincial State of Emergency that was declared on July 7 and not rescinded until September 15, lasting 70 days.
- More than 1.2 million hectares of land burned

## 2018

- There were more than 560 wildfires by the end of June **2018**.
- A total of 1,994 wildfires have burned 971,103 hectares (2,399,650 acres) of land in 2018 as of August 24.

# Datasets and Request Questions

## Used following datasets from UBC

- BC Wildfires 2018 Collection
  - 1 WARC File
- BC Wildfires 2017 Collection
  - 80 WARC Files

## Research Questions

- Is there a correlation between the impact of fire and how it is broadcasted.
- How information spreads, a comparison of various media outlets during a major event.
- Is there a correlation between an event's severity and how information spreads.

# Data Processing

## **AUT Processed Data**

- Used the fulltext derivatives file for 2017 collection
- Used the urls derivatives file for 2017 collection

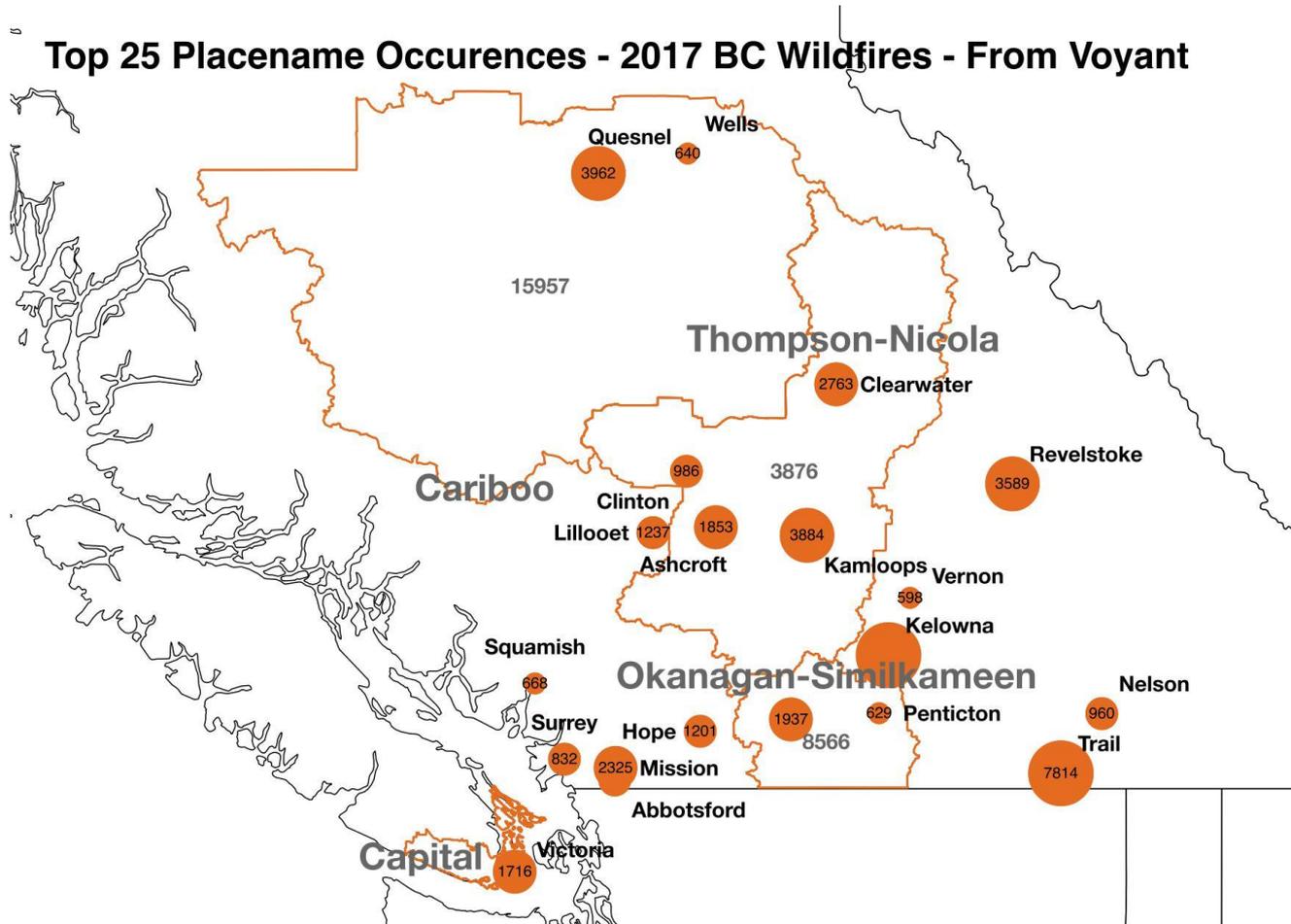
## **Team Processed Data**

- Ran NER on the 2018 dataset and used the output
- Ran NER on one of 2017 WARC files and used the output
- Created a list of Municipalities/regions in BC
- Generated a table of Geocodes
- Used Voyant to clean data and to create visualizations

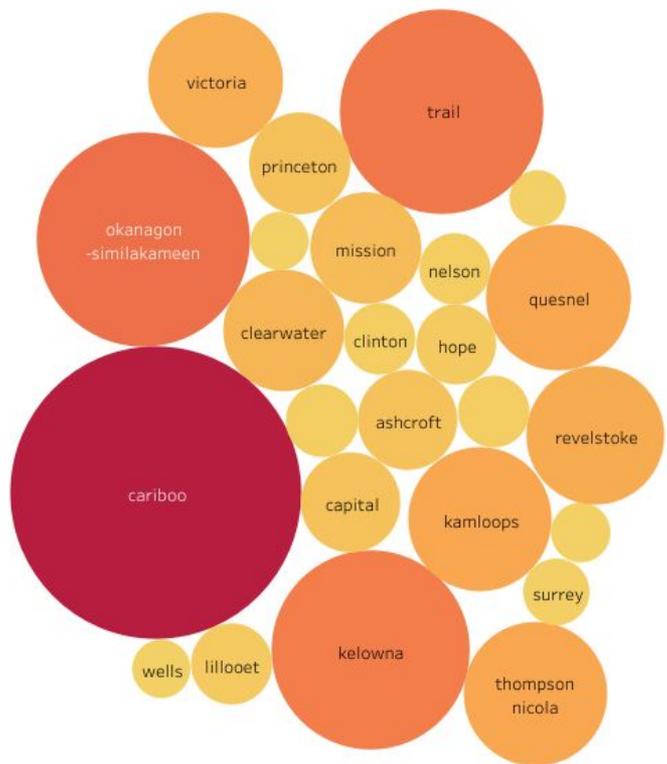




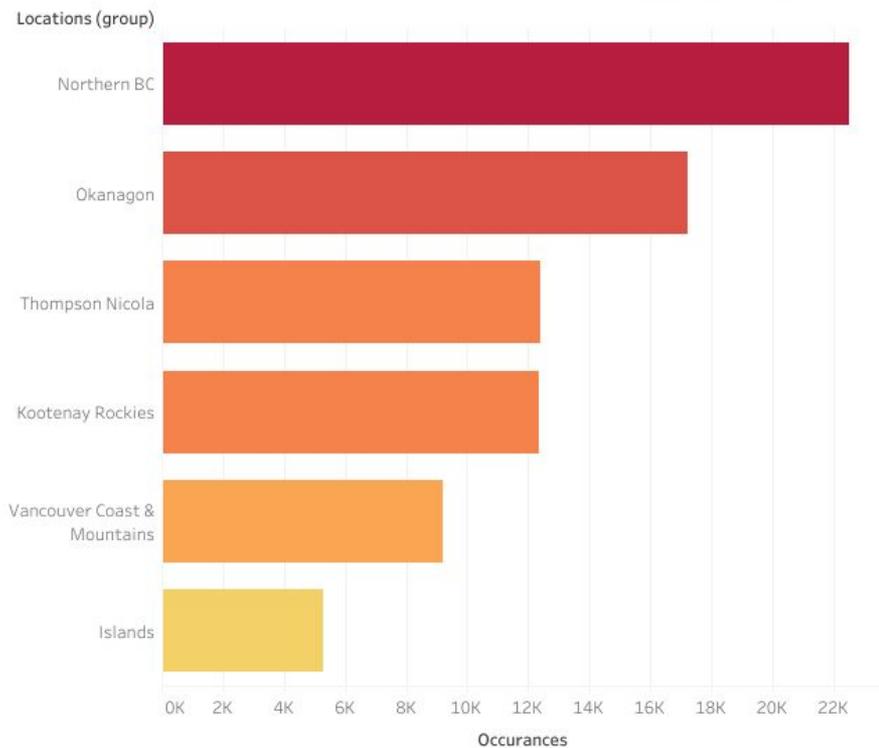
# Top 25 Placename Occurrences - 2017 BC Wildfires - From Voyant



# BC Wildfires 2017



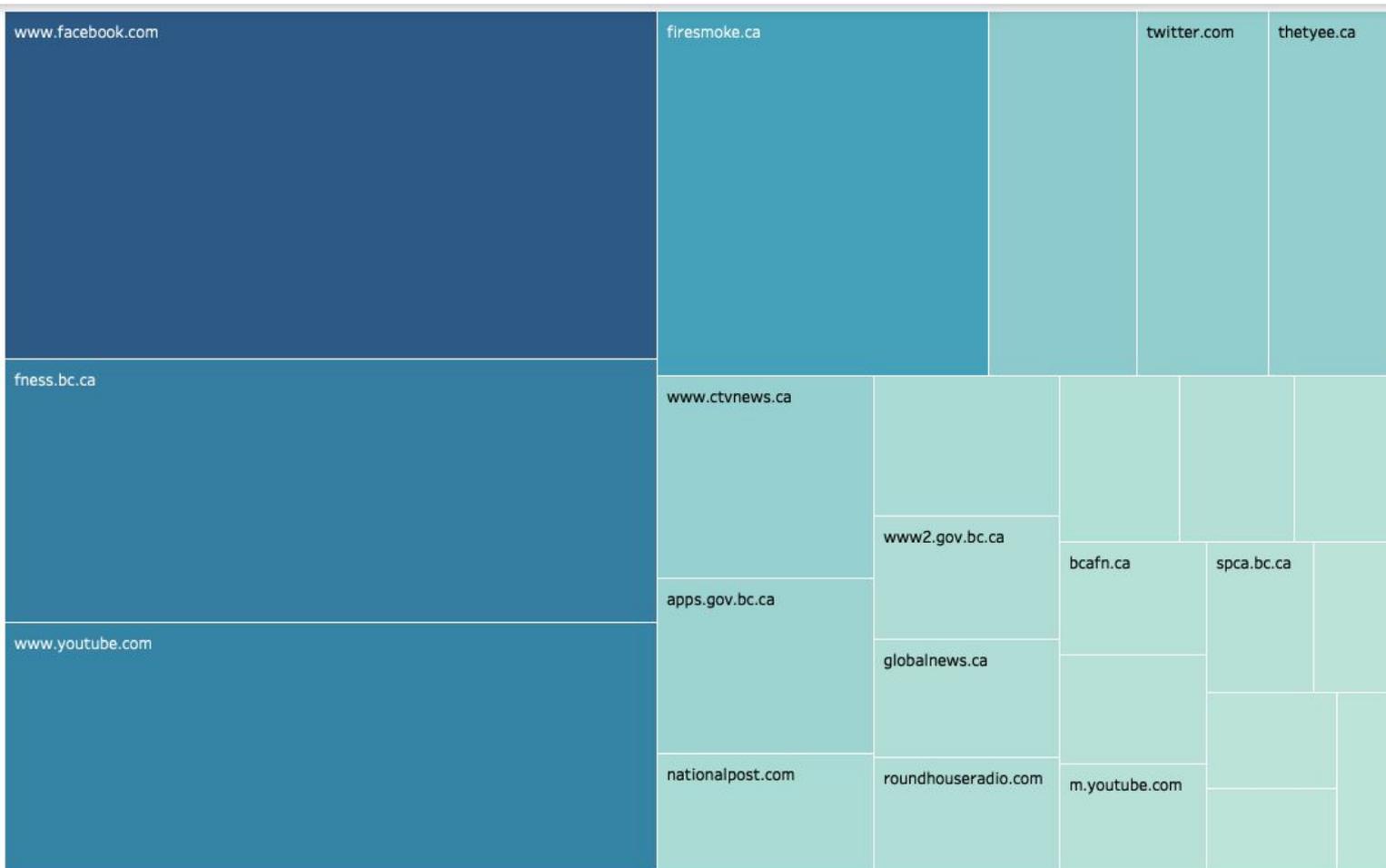
Occurrences  
5,300 22,521





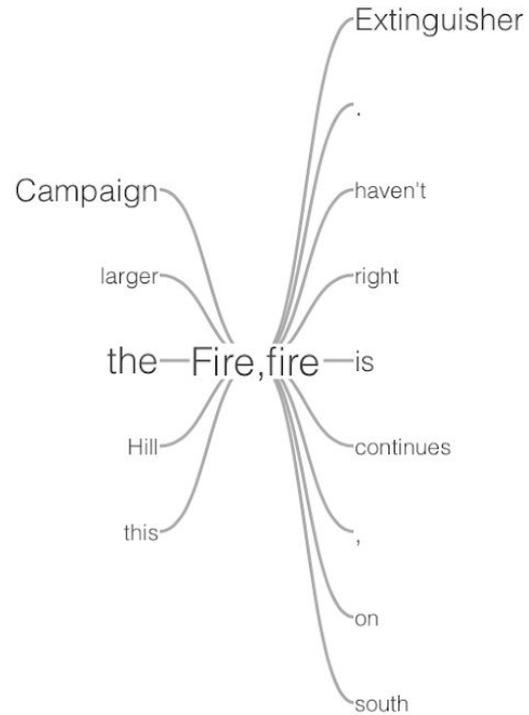
# Information Behaviour - Derivatives 2017





Top 25 URL in 2017 Archive - Where do we get our data from? Facebook, mostly.

# Word Correlations



# Tools Used

- AUT
- Voyant
- AntConc
- QGIS
- Tableau
- Python
- Geocoder
- gejson

## Research Questions

- Is there a correlation between the impact of fire and how it is broadcasted and visualize it.
- How information spreads, a comparison of various media outlets during a major event.
- Is there a correlation between an event's severity and how information spread.