Wildfires deeply affect the population in California. However, people might care more about a policy issue when it affects them directly and immediately. By analyzing tweets, we hope to create a visualization of California that helps understand the social conversation around wildfires. More precisely, we will produce the following visualizations:

- *Linechart where the user can choose a year and it shows, for every week the number of tweets and the number of acres burned (x = week, y = acres burned, nb. tweets)*
- *Map visualization with wildfires over time.*
- *Word cloud with most frequent words in tweets, where user can choose month-year.*
- *LDA and n-gram analysis, per year-month.*

The goal of these tools is to give the user the ability to see when people tweet about wildfires (i.e. when they care about them) and what they tweet about (i.e. what their concerns are). It will be interesting for the users to use the interface to see how the patterns look similar or change over various years.

Sources, ownership, and deadlines:

Retrieving data:

- Twitter API
  Team members: Jonas, Pavan, Sergio
  Date: Completed (code is written, 30% of data has been retrieved – to be continued this weekend)

- Wildfire Data
  Team members: Núria and Sergio
  Date: Completed

Tweet Analysis:

- Data Cleaning (text cleaning, topic analysis)
  Team members: Sergio
  Tentative deadline: March 7th

- Data visualization (time series, topics visualization, wordcloud)
  Team members: Jonas, Nuria, Sergio
  Tentative deadline: March 7th

Mapping:

- Wildfire data cleaning
  Team members: Nuria
  Tentative deadline: March 7th

- Wildfire visualization
  Team members: Nuria
  Tentative deadline: March 7th

Deployment:

- Interactive UI
  Team members: Pavan
  Tentative deadline: March 7th