

Reddit V.S. YouTube

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Table of Contents

- 1 Motivation
- 2 Reddit Comments
- 3 YouTube Comments
- 4 Comparison & Conclusion

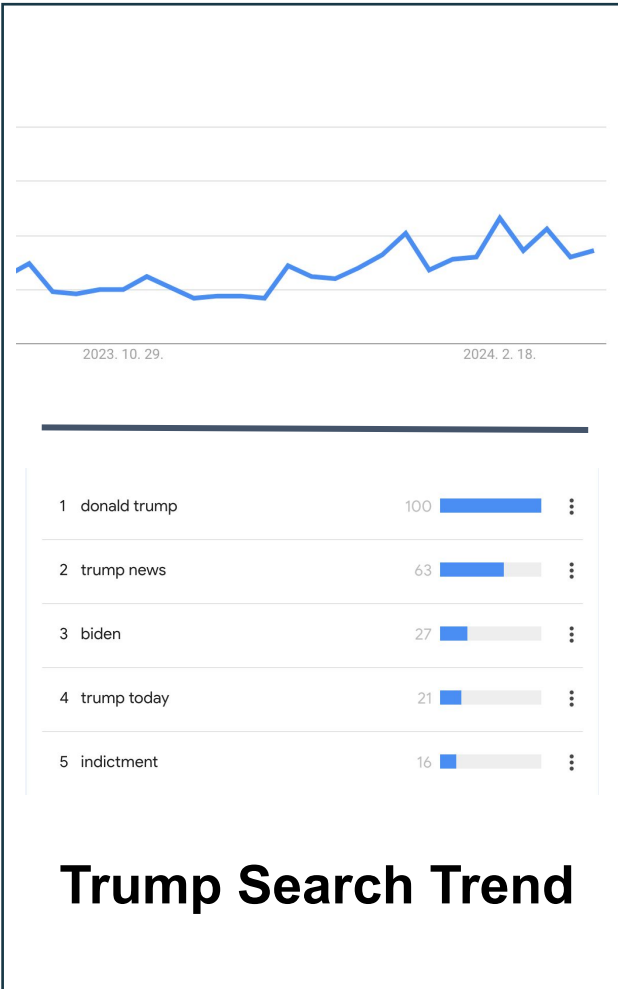
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Motivation



CNN: Trump Trials

>



Trump Search Trend

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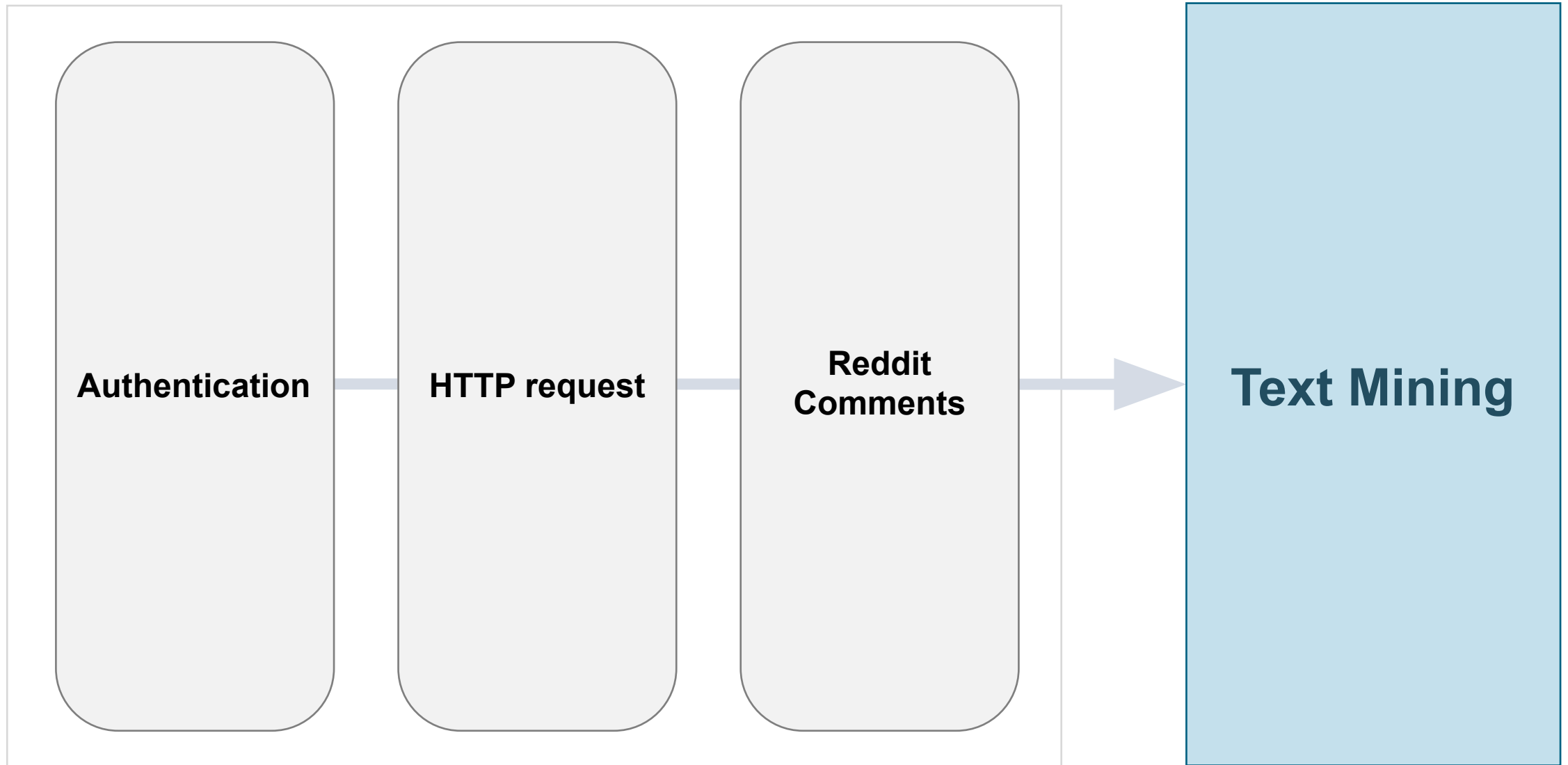


Two Popular SNS

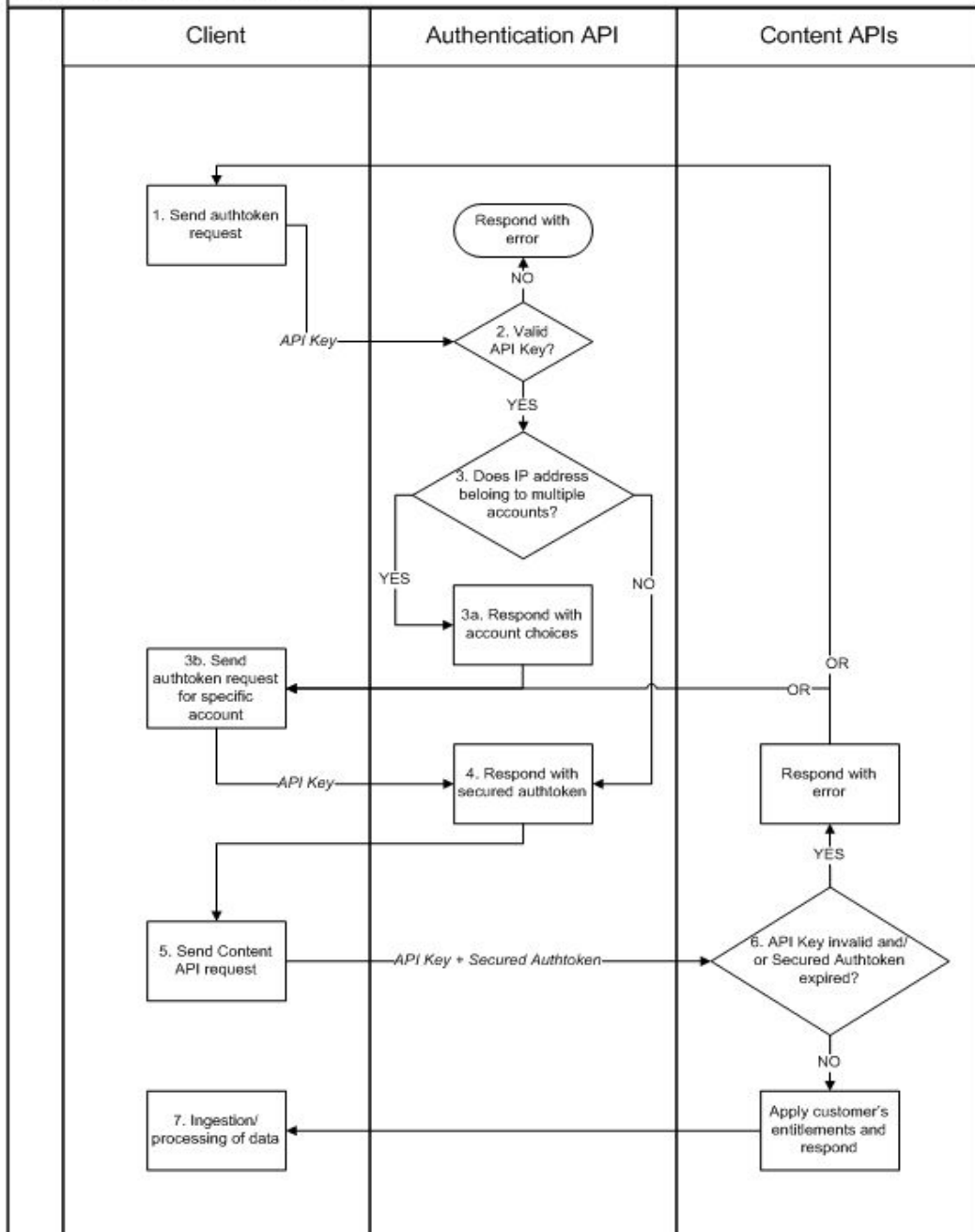
2

Reddit Comments

ANALYSIS PROCESS



Authentication flow for APIs



Authentication Process Overview

```

client_id = "your client id"
client_secret = "your client secret"
  
```

```

response <- POST(
  url = "https://www.reddit.com/api/v1/access_token",
  body = list(
    grant_type = "client_credentials",
    encode = "form",
    authenticate(client_id, client_secret)
  )
)
  
```

```

access_token <- content(response)$access_token
print(access_token)
  
```

- **Client ID & Client Secret**
- **POST HTTP request**
- **Saving access token**

HTTP::GET request Overview

```
search_url <- "https://api.reddit.com/r/politics/comments"

search_params <- list(
  q = "Donald Trump",
  type = "comments",
  sort = "best",
  limit = 100,
  "Authorization" = paste("Bearer", access_token),
  "User-Agent" = "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, l
)
```

```
req <- GET(
  url = search_url,
  query = search_params
)

print(req)

status_code(req)
```

status_code(req)
200

I am not a fan of Trump, but we should all be concerned about the weaponization of the judicial system against Trump. You could be next.

You made me snort sprite up my nose. OMG that was hilarious!😂

It's just over a million per mooch.

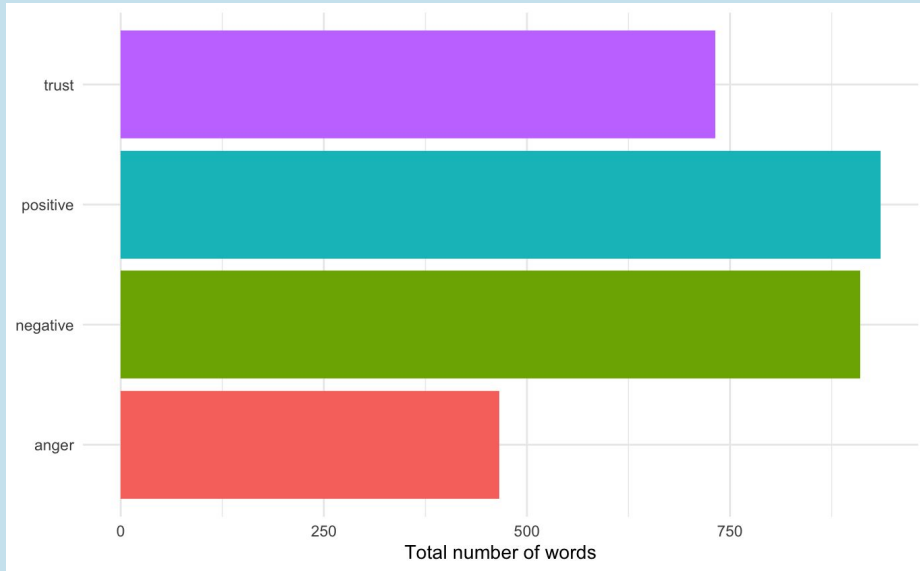
Thats fine as long as its not going to gop candidates

I'll take stupid ideas for \$400, Alex

Twitter = The worlds biggest bathroom wall...here I sit to take a dump, took a shit and laid a Trump...

I used the "I've got the worst fuckin attorneys" gif regarding Trump the other day and it dawned on me how poorly it fits, because he's clearly too dumb to realize how shitty his lawyers are.

NRC Analysis



Trust = 732

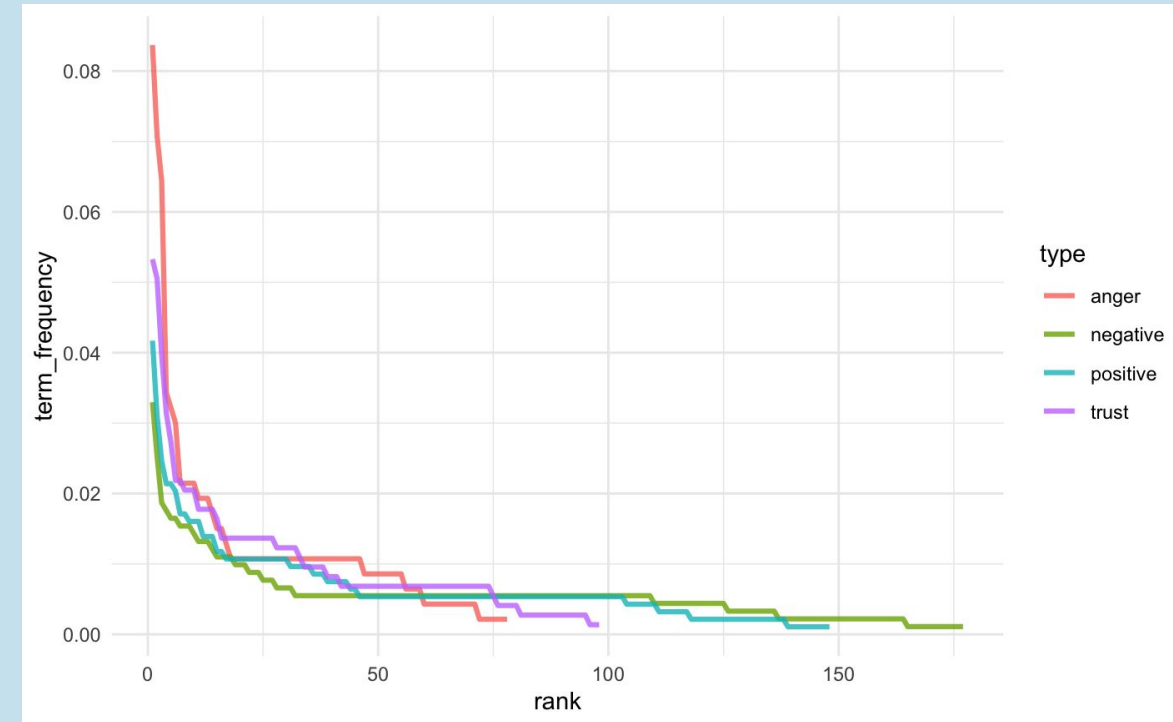
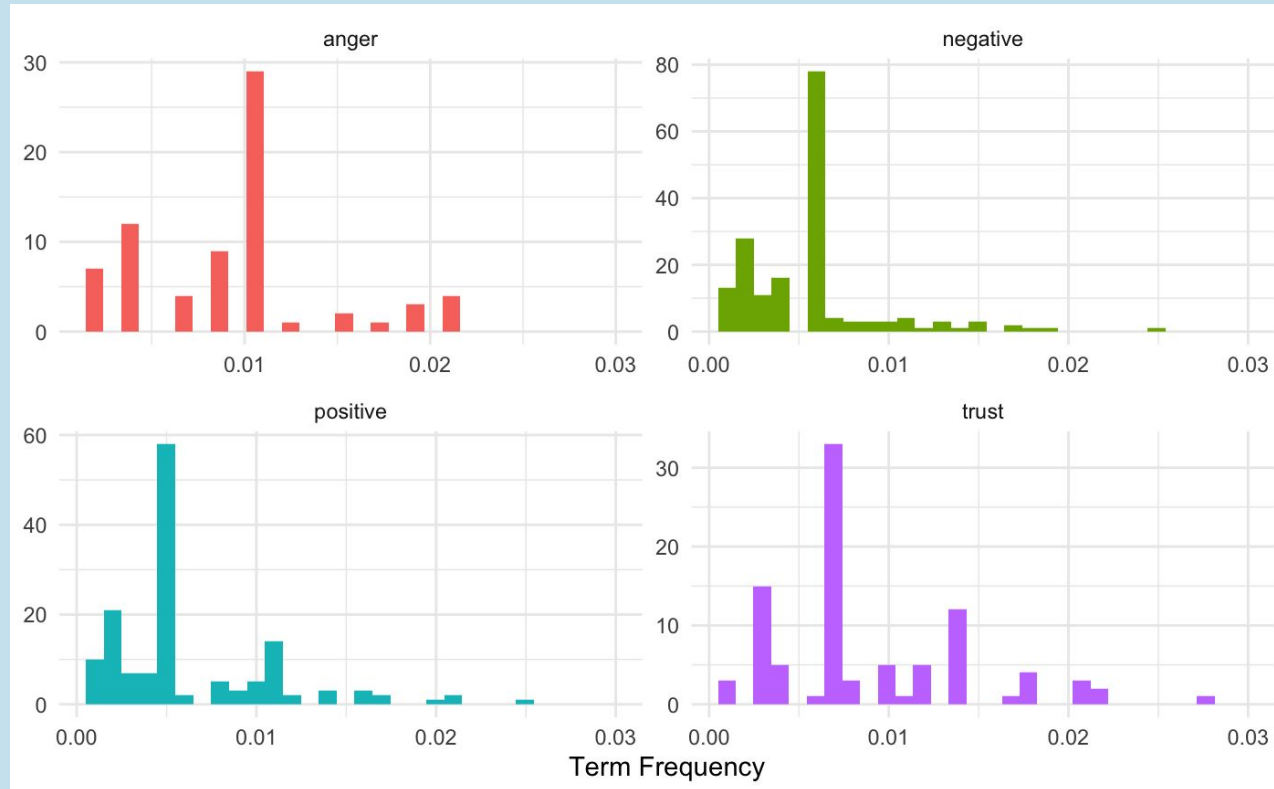
Positive = 935

Negative = 910

Anger = 466



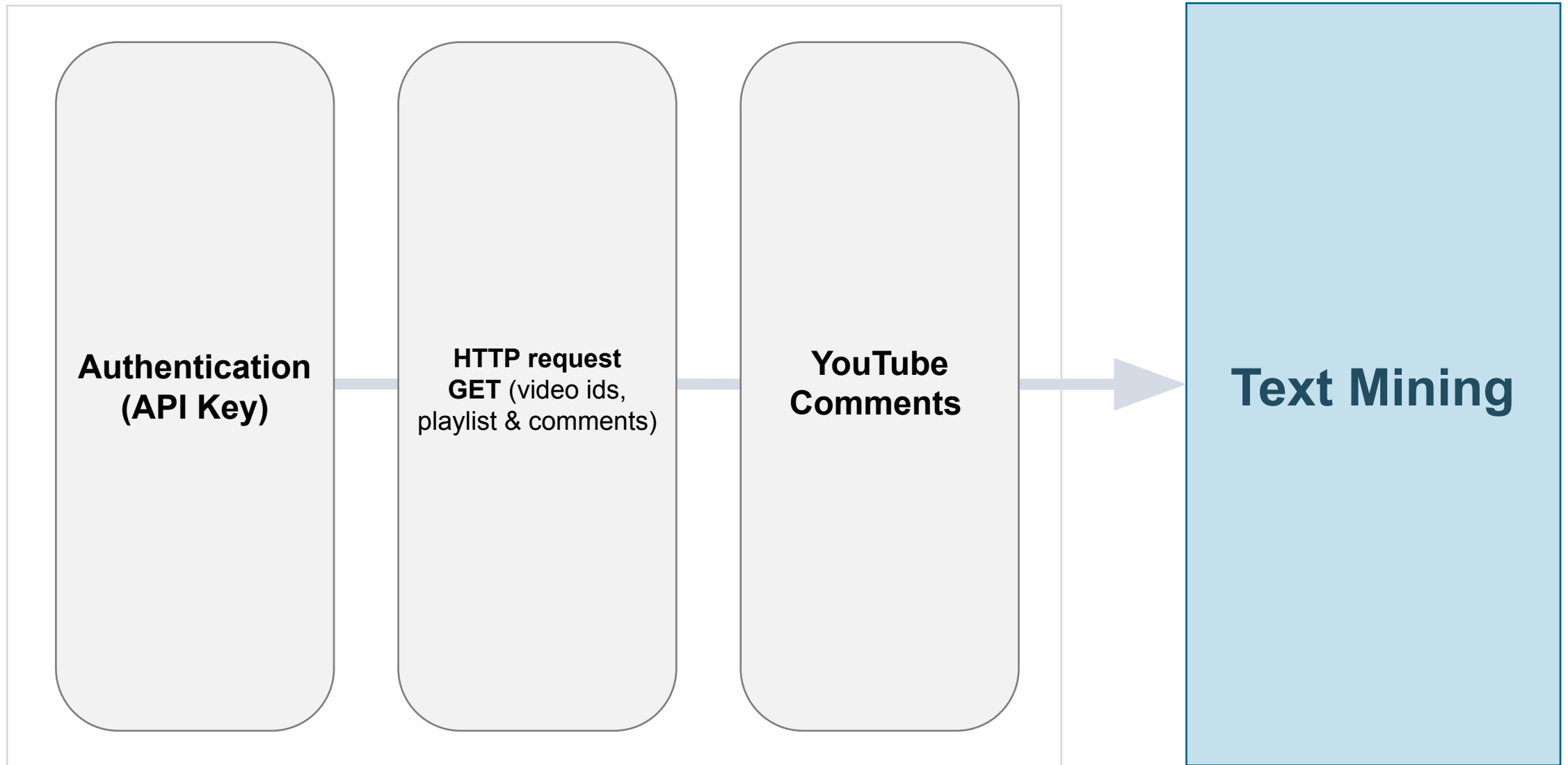
Term Frequency Analysis



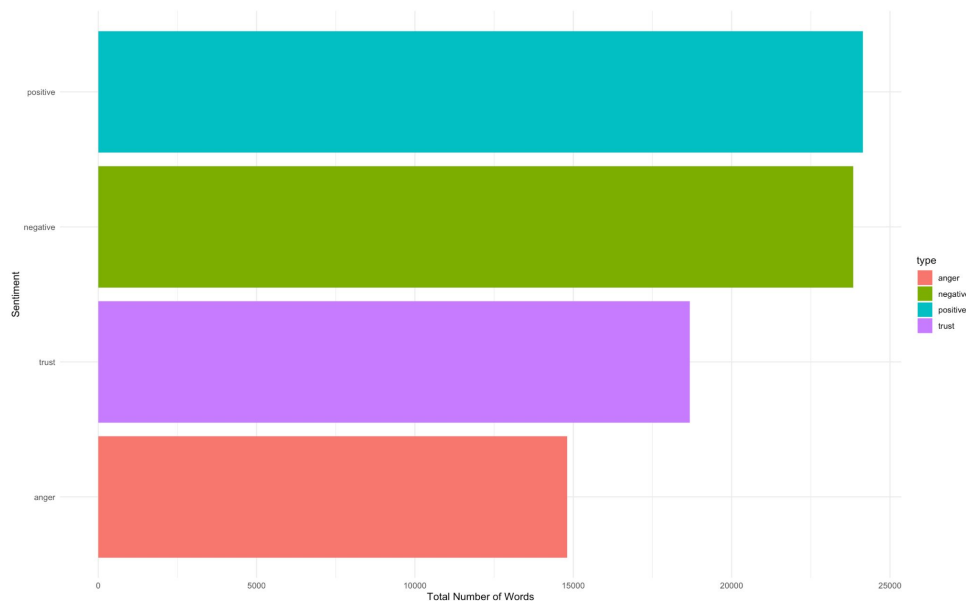
3

YouTube Comments

ANALYSIS PROCESS



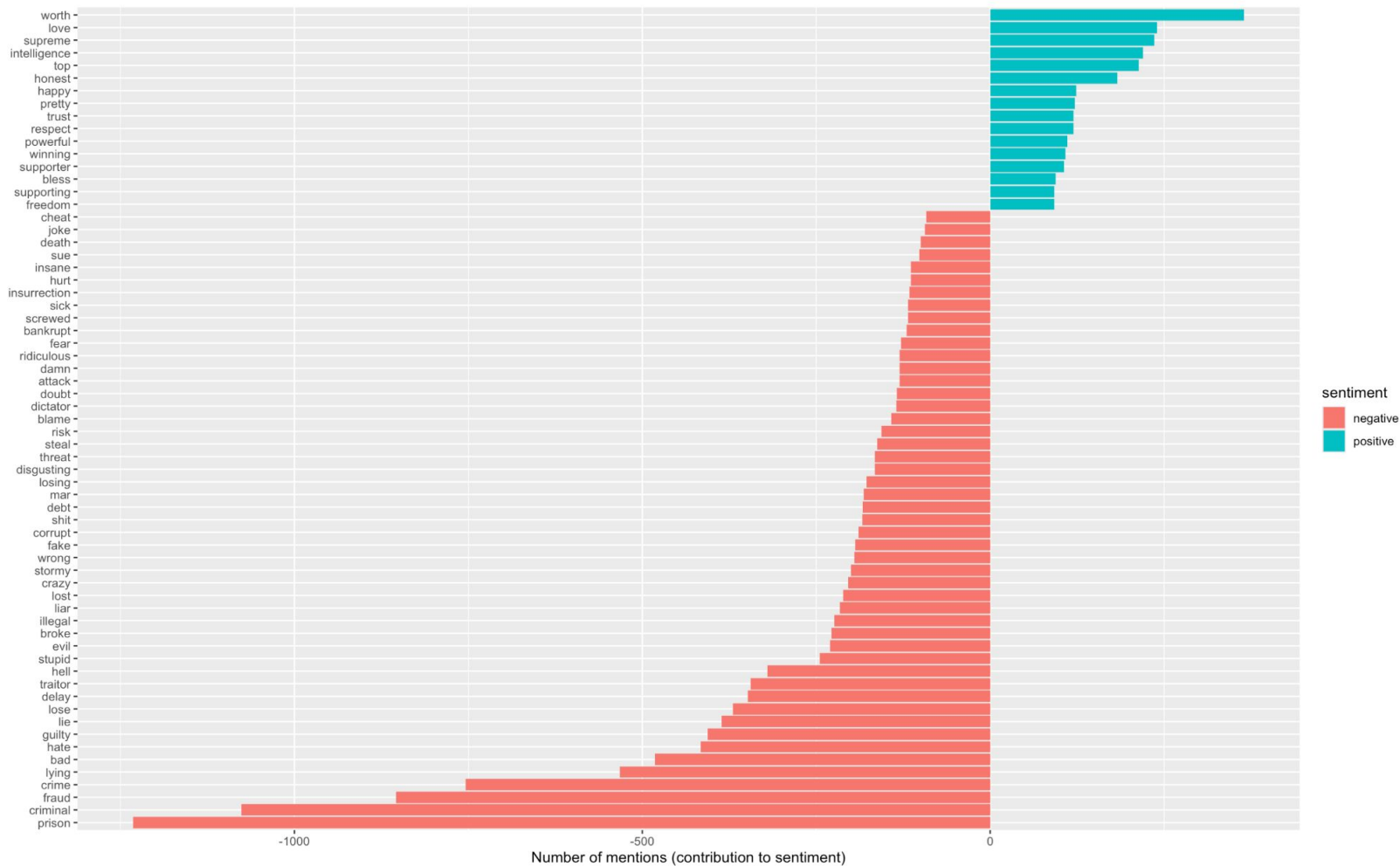
NRC Analysis



Trust = 18682
Positive = 24150
Negative = 23839
Anger = 14806

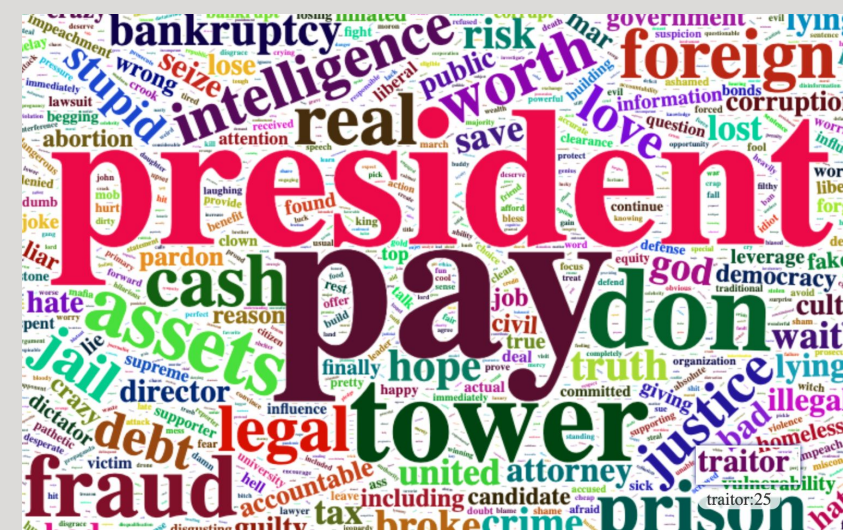


So many negative words on YT comments...



4

Comparison & Conclusion



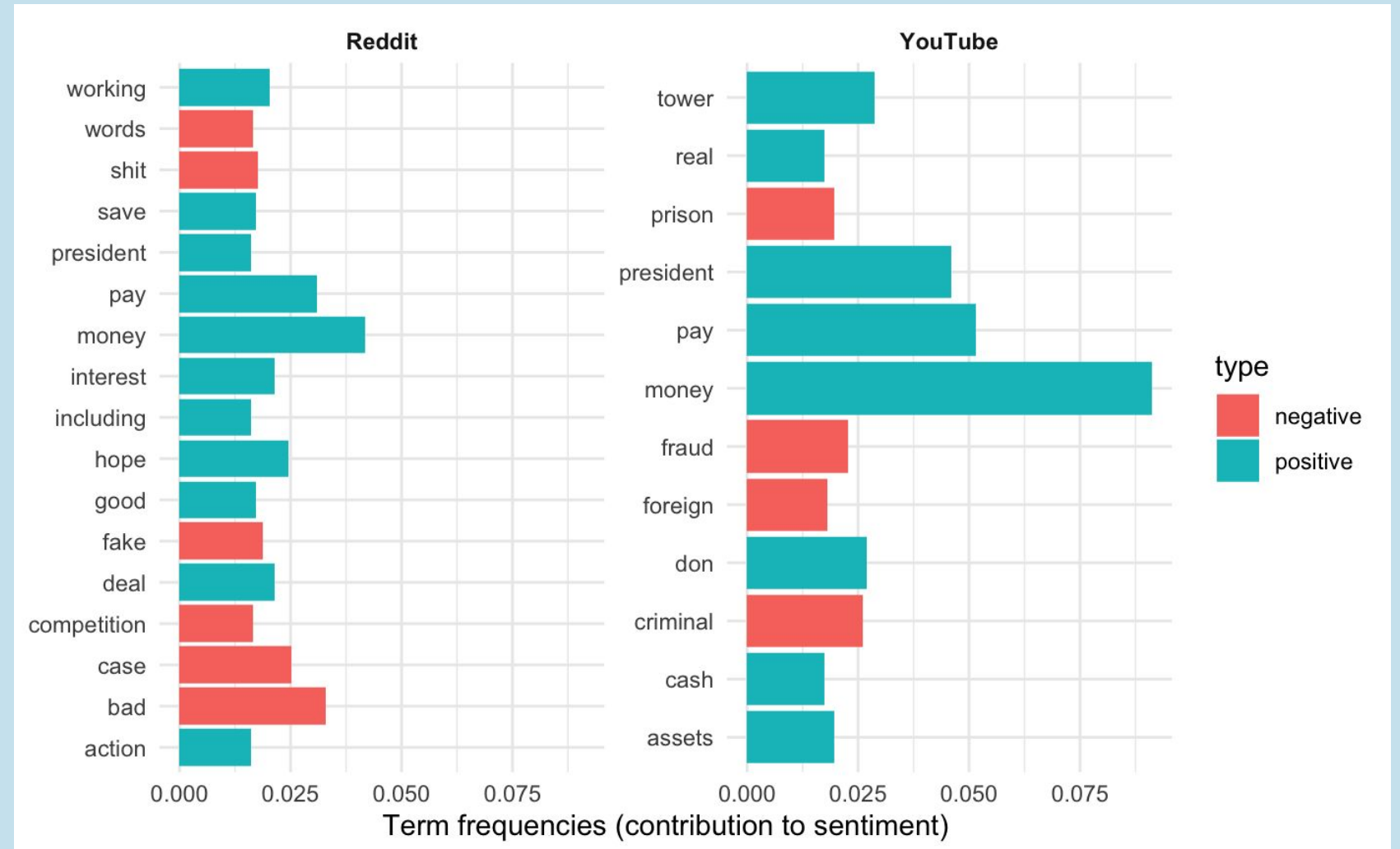
Comparison & Conclusion



- YouTube comments have more negative words (11704 in total) than positive words (10900 in total) related to comments about Donald Trump.
- Youtube has a larger proportion of users.



- Reddit, there are more positive words (952 in total) than negative words (867 in total) in the comments related to Donald Trump.



Challenges

- Obtain API_KEY and tokens
- Find the appropriate endpoint for searching and getting the right dataset

Lifesavers

- YouTube API and Reddit API documentation
- Chat GPT

Thank You