

Haters Gonna Hate

Check-in Report 1

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Abstract

Social media is widely used across continents, generations, and social groups. Due to the accessibility and anonymity of social media, hate speech, an abusive or threatening statement showing prejudice and hate, has become a new social phenomenon and has gotten public attention. In previous research, there has been an effort to understand the behavior of such hateful speech using Natural Language Processing and Networks, and social media platforms have hate-speech detection models based on such research. Although research provides an effective method to detect hateful speech, research understanding its behavior still needs to be completed. This project aims to provide the framework for social media platforms to conduct an early intervention in hate speech using network behavior of content instead of relying on language models for classification.

1 Activities

1.1 Planned Activities

In week 01, We planned to finish our literature review, and have a meeting to discuss everyone is in the same page and to specify the project.

In week 02, we planned to extract data from Reddit, and worked on organizing it.

1.2 Accomplished Activities

We finished our literature review, and discussed the direction of the project. Based on the discussion, we finished our project proposal as planned. We used Reddit API to get posts and comments from subReddit, and we are working on cleaning and understanding datasets.

	title	subreddit	num_comments
0	What made him/her bad in bed?	AskReddit	3230
1	What is awesome, has always been awesome, and will forever be awesome?	AskReddit	13233
2	What makes you think that God exists or does not exist?	AskReddit	2222
3	What is your opinion on kissing after oral sex?	AskReddit	3753
4	What are your thoughts on if the US government made the day for voting a national holiday?	AskReddit	304

Figure 1: Top Posts in r/AskReddit

Above is the posts we called through Reddit API. We are planning on as many posts in different subReddits.

	author	body
0	Tyr808	Unless homeboy was too fat to reach his own ass or something, I'm in complete shock that an adul...
1	GracielsClumsy	The "very" robotic thrusting. Like the kind of joke thrusting people do, but it was intentional...
2	littlegingerfae	Even then I'd be like bruh this ain't about you -_-
3	redbluegreenyellow	no it doesn't? your feed is based on stuff you like, my guy
4	integral_of_position	So just like some women want big dick, you want big vagina? 🍆 jk jkInFor real though, I have a...

Figure 2: Examples of Comments in the Posts of r/AskReddit

Above is the example comments of the post written by user name 'ymv4hx' in r/AskReddit. Yet, we are working on the data cleaning process.

2 Challenges

2.1 Open Challenges and Questions

There were so many subReddits, and it was challenging to choose which subReddits to choose, as we want to build an unbiased models.

2.2 Major Changes

No major changes have been made in this week.

3 Timeline and Roles

3.1 Timeline

Time	Task
Week 01	Literature review finish project proposal
Week 02	Extract data and work on cleaning and organizing it
Week 03	Polish classification process and get a final model-tagged data to work with
Week 04	Assess model accuracy and start building the network
Week 05	Network analysis and visualization
Week 06	Compile results and prepare final report

3.2 Roles

Name	Tasks
Aviral Chawla	Start building a model for hate speech and find resources regarding a classification model
Daniel Orem	Finalize data cleaning and find resources regarding a classification mode
Jay Hwasung Jung	Start building a model for hate speech
Shunsuke Miyazato	Finalize data cleaning and find resources regarding a classification mode