

IDEA 1:

Project title 1 (Descriptive title that captures your idea1)

Characteristic of the hate-speech that targeted at LGBTQ+ group

What you want to do?

Your response. Longer response that provides a bit more description than what's in the title.

NOTE: Focus on the problem that you are trying to solve. Think in terms of driving research questions (RQs). You don't have to focus on methods at this stage. For e.g., your answer should not start with.. "Using sentiment analysis, I would do this...", "I wish to use unsupervised learning methodology for this task"

1. Find the characteristics or common patterns for the hate speech targeted at LGBTQ+ group.
 - a. In the text level, what words do the hate speeches usually use? How is it different from the hate speech toward other groups (or hate speech in more general meaning)
 - b. In the semantic level, are these speeches highly readable? How meaningful are they?
 - c. In the social behavior level, what reactions do other users give to such speech?
 - d. In the social impact level, what consequence will such hate speech bring? Will it incite violence in reality?
2. If possible, develop a model to help detect such speech using these patterns.
3. Find out if a community has taken active action to prevent such behavior. Which community or platform are more tolerant to such speech, and which are more friendly to LGBTQ+ group?

Why should we care?

Your response. Provide a motivation of why this project is worth pursuing? That is, if you are successful, what difference will it make?

1. The LGBTQ+ groups are receiving terribly hate speech online. The spread of such speech not only harms people of this group, but also casts prejudices on people who didn't understand this group. If we can find a way to detect such speech before they are widely spread, we can help people understand the LGBTQ+ people and even prevent hate crime from happening.
2. The community or platform can use the findings to check if their platform are friendly to this group of people, and help them build a better environment.
3. The patterns for hate speech may vary towards different minority groups. Finding the patterns of hate-speech targeted at LGBTQ+ can help the study of the hate speech in general.
4. LGBTQ+ people can use our results to better choose the platform and community that are more friendly.

Keywords – To mark topic and domain of the idea.

Your response. Comma separated keywords

Hate-speech, LGBTQ+, text analysis, community

IDEA 2:

Project title 2 (Descriptive title that captures your idea2)

Key transmission pivot in the spread of misinformation on Twitter

What you want to do?

Your response. Longer response that provides a bit more description that what you have in the title

1. Find a way to identify the transmission pivot, for example, the number of followers, the number of misinformation they shared, the number of retweets for the information
2. Describe the features of these pivots: the geographical location, if these accounts have similarities, etc.
3. Draw a map to illustrate how the information goes into and out of these pivots.

Why should we care?

Your response. Provide a motivation of why this project is worth pursuing? That is, if you are successful, what difference will it make?

1. The result can help the platform to identify the accounts that may play a key role in spreading the misinformation, and thus eliminate the impact it will give to the users.
2. Analysis on the similarities of these pivots can help us better understand who are pushing the misinformation in the background.
3. As a user, the result can help them identify and avoid such pivot accounts.

Keywords – To mark topic and domain of the idea.

Your response. Comma separated keywords

Misinformation, Twitter, pivot