

IDEA 1: Spread of misinformation before 2020 election on Twitter.

Theme 1: News and misinformation

I would like to do an analysis on the spread of misinformation before the 2020 US presidential election. In this, I'll include tweet w.r.t. to misinformation only.

What you want to do?

I want the model to find a pattern in the spread of misinformation. This project aims to understand how real and false information spread in social media (Twitter). I have also observed that fake word spreads faster than the real story, so I would like to research this.

Research questions:

1. Are people more attracted to retweeting misinformation over real information?
2. How do you decide which tweet contains real news and which are false?
3. Which websites are generating such misinformation and then who is tweeting it?
What's their geographical location?
4. Who are these people retweeting misinformation, and what's their geographical location? Why are they believing it?
5. Detect any bot network where they might be spreading misinformation and upvoting and sharing their tweets.
6. What was the reach of such misinformation?

Why should we care?

As Social media is accessible to almost everyone now, any person anywhere can get access to real information or mislead by misinformation. From my personal experience within my close family groups, I have felt that people quickly spread misinformation. For example- one example would be misleading information about political parties, exaggerating their work.

So, I think there should be an easier way to detect misinformation from real information. For this project, I would like to know the impact of misinformation on the US 2020 election. Seeing the pattern of such spread of misinformation would prepare us to be well-informed about the misinformation, and it would be easier to tackle these for the next political event.

Keywords – To mark the topic and domain of the idea.

Natural language processing, Machine learning model, misinformation, Twitter, tweets, Social media analysis, data mining.

IDEA 2: Growth of profiles on Instagram

Theme 3: Online communities (community growth, moderation, engagement, deception)

To understand the reason behind the growth of certain posts and profiles on Instagram. The user can understand what kind of content and metrics would put them under the search page and make the profile suggestion to more people.

What you want to do?

I have seen many small businesses and artists grow on Instagram. I would like to know what are the things which they are doing and making them grow. Knowing these kinds of details would help new artists and small businesses thrive on Instagram and motivate them to leverage Instagram better.

Research questions:

1. What kind of posts and hashtags increases the reach to more people on the platform?
2. What are the criteria behind the top post?
3. How many followers does the particular profile have? How is it impacting the reach?
4. How is the engagement of profile with followers?

Why should we care?

My interest in Instagram profile or post-growth is understanding how a new artist or small business is trying to reach multiple accounts. To understand how the profile could leverage Instagram to increase its reach and growth. There are already numerous resources in which an artist can grow in the real-world but increasing the online presence would give an excellent opportunity to showcase their work.

If the artist/small business learns the ability to attract so many people on Instagram, it will help them financially and professionally.

Keywords – To mark the topic and domain of the idea.

Natural language processing, Machine learning model, Influencer, Instagram, Social media analysis, data mining, artists, small business

IDEA 3: Growth of posts on Reddit

Theme 3: Online communities (community growth, moderation, engagement, deception)

To understand the reason behind the growth of individual posts and subreddit on Reddit. So that the user can understand what kind of content and metrics would put them under hot posts.

What you want to do?

As we have seen in recent news about the Redditors roles at r/Wallstreetbets, and how they could disrupt the wall street and hedge fund capital. My idea is inspired by current events. I want to understand the secret to become a top post.

Research questions:

1. What kind of posts increases the reach to more people on the platform?
2. What are the criteria behind the top post?
3. How many followers does the particular subreddit have?
4. In Reddit, most of the interaction happens on memes/images. It will be challenging to process memes and pictures.
5. What is the role of moderators in the reach?

Why should we care?

My interest in Reddit posts grew due to current scenarios about the role of r/wallstreetbets Redditors. We know how much it has impacted the hedge fund capitals, and in my opinion, this is a stand of middle-class people against the billionaires.

I think this is a fantastic opportunity to understand how do posts grow and become famous on Reddit. If we know that, it can become one of the great resources to bring change or communicate.

Keywords – To mark the topic and domain of the idea.

Natural language processing, Machine learning model, Reddit, subreddit, Social media analysis, data mining.