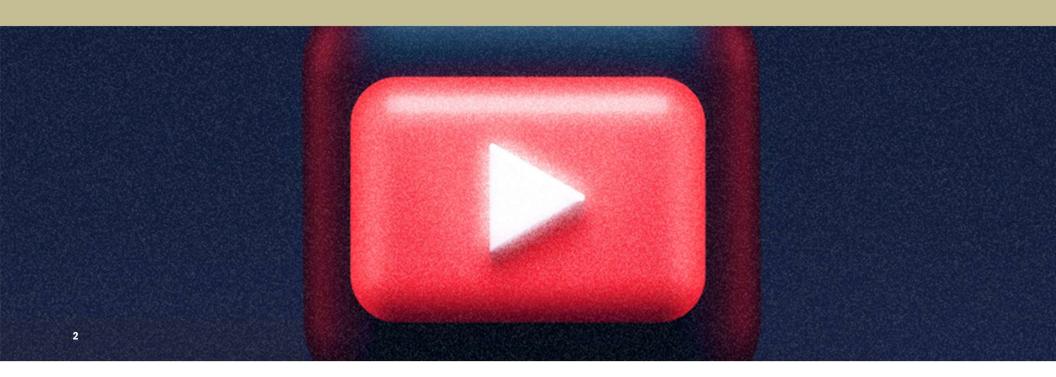


MOTIVATION

"To curb the small but present semantic divide between young and old, I wanted to explore YouTube video transcript data in order to learn more about the type of interests, words, and phrases teens are using."



TARGETED DATA

PEW DIE PIE

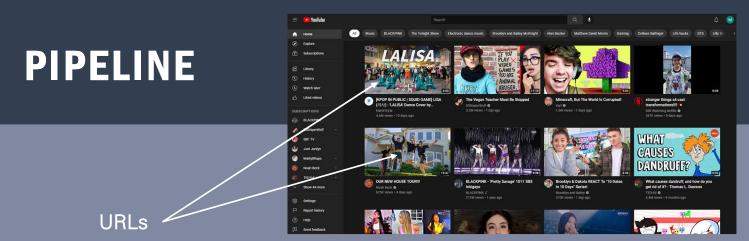


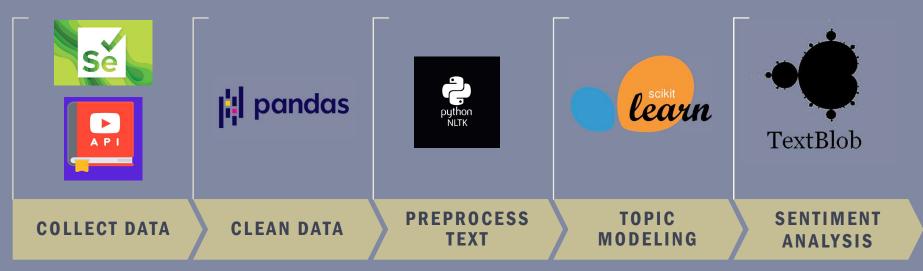


"MINECRAFT"

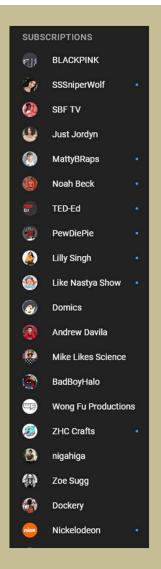
LILLY SINGH

"MAKEUP"





ONE ROW OF DATA CONSISTS OF A SINGLE VIDEO'S CLEANED TEXT DATA AND VIDEO METADATA





- Only 1500 videos
- One source: YouTube
- Need for more breadth of subscriptions



RESULTS

DOCUMENT-TERM TfidfVectorizer **MATRIX** Non-Negative Matrix MODEL Factorization ("NMF") 15 **TOPICS RETURNED** Natural language processing

TOPICS

- Video Reviews
- Hair Care
- Prizes
- Food
- Minecraft
- Games
- School
- Educational
- Pregnancy
- Dance/Music
- Halloween
- Clothes
- Challenges
- Beauty Care
- Christmas

NEW WORDS/CHARACTERS

MINECRAFT - MR.BEAST



"Diamond"



"Chandler,"
"Mr. Beast,"
"Chris"







TOPIC EDA

Avg. Comment Count/Topic

1. Challenges

2. Dance/Music

3. Beauty Care



Video Count/Topic

1. Beauty Care

2. Food

3. Minecraft

Avg. Views per Topic

1. Prizes

2. Christmas

3. Dance/Music

Avg. Like/Dislike Ratio

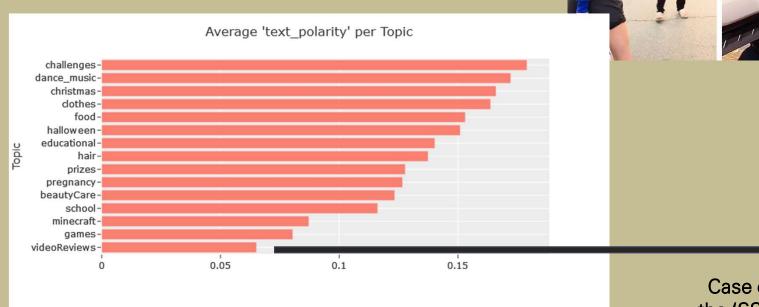
1. Pregnancy

2. Educational

3. Beauty Care



SENTIMENT ANLAYSIS





Case of the 'Karen's' and the 'SSSniperWolf' channel



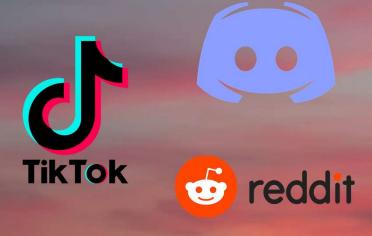
- Latent topics exist
- Potential for Business Use Case

"This type of information could be immensely helpful to parents, educators, therapists, and psychologists who want to better understand and relate to the teens in their lives."

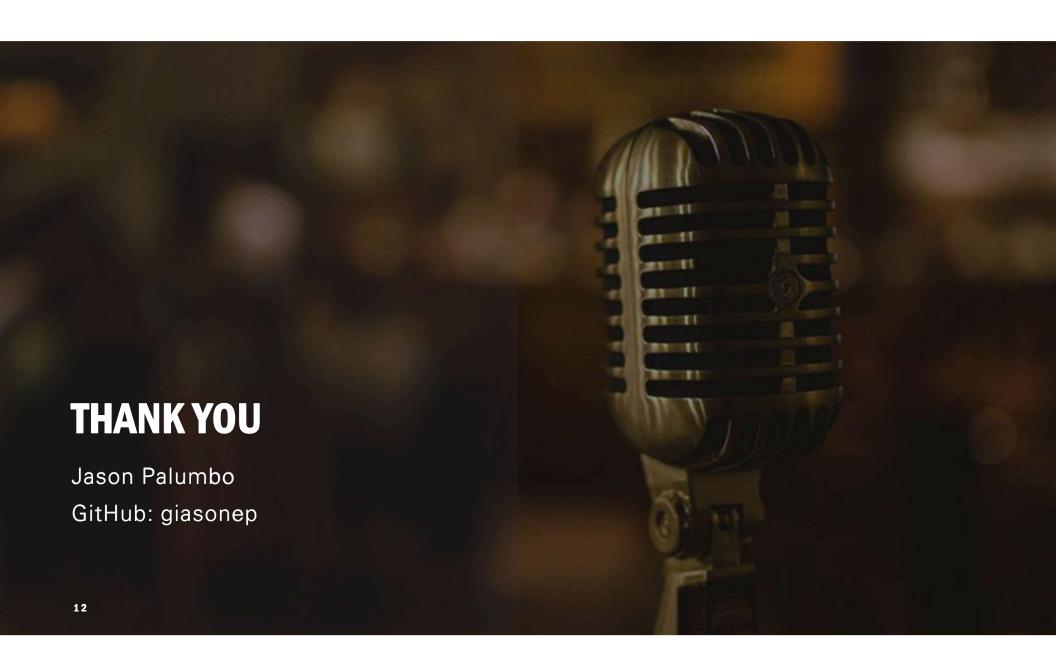




- More Data/Diverse Data
- Deep Learning and Image Recognition
- Different Sources







APPENDIX

