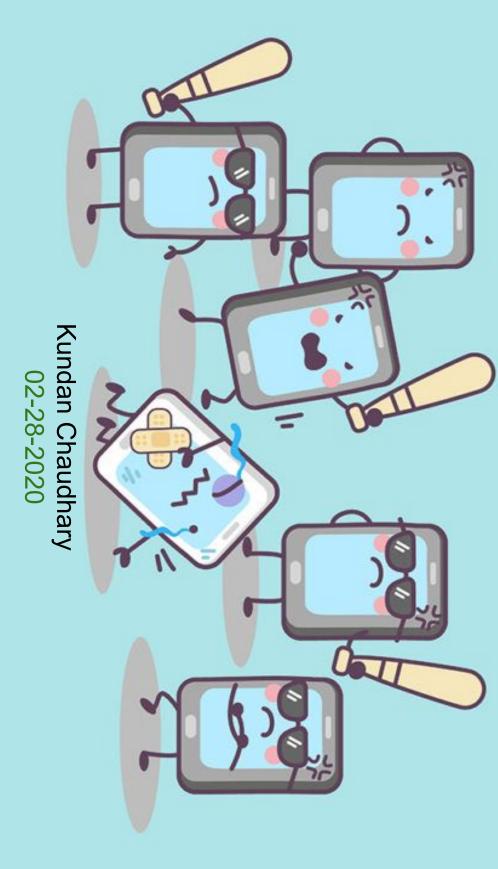
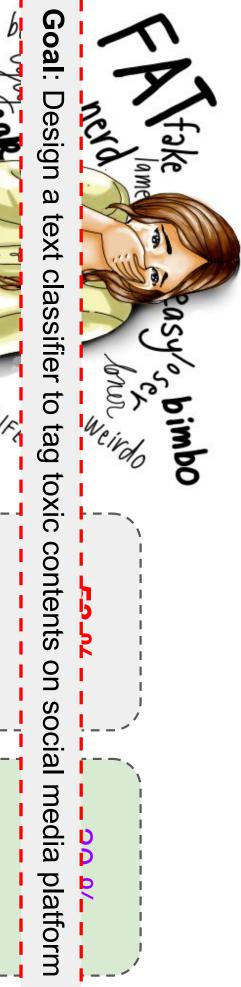
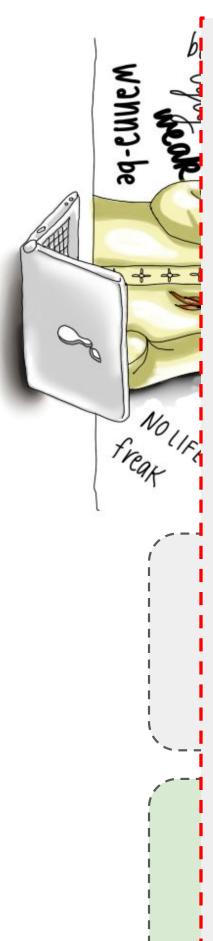
Toxic Content Classification via Unsupervised Learning

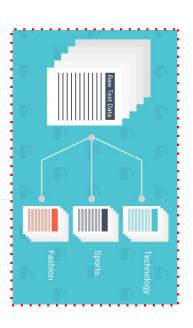


How do we get rid of toxic contents on the internet?





Getting from raw texts to coherent themes



Assumptions:

- Used nouns and adjectives only
- Ignored:
- Abbreviations
- Words w/ length less than 3
- Misspelled words
- n-grams



lower case

nouns/adjectives — lemmatization (stemming)



Topic Modeling

Metrics: Coherence Score



(Topic Visualization

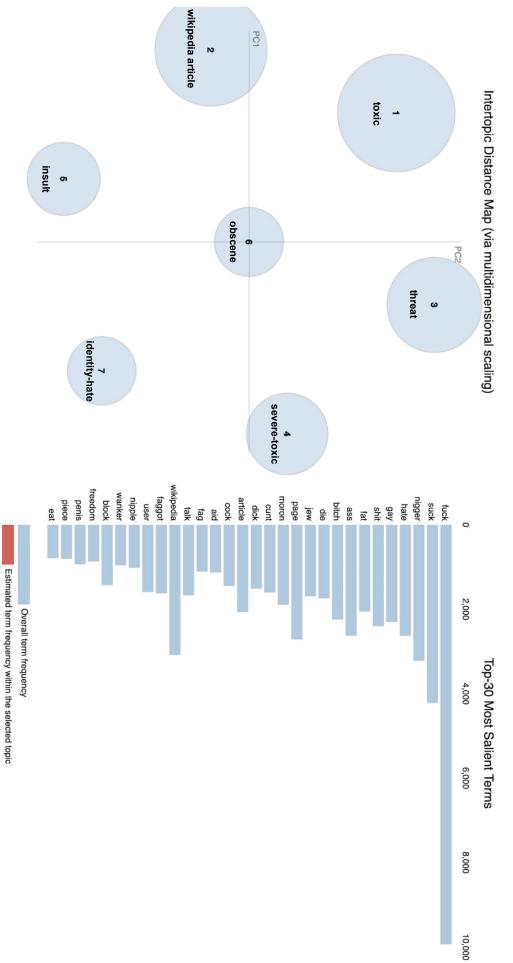




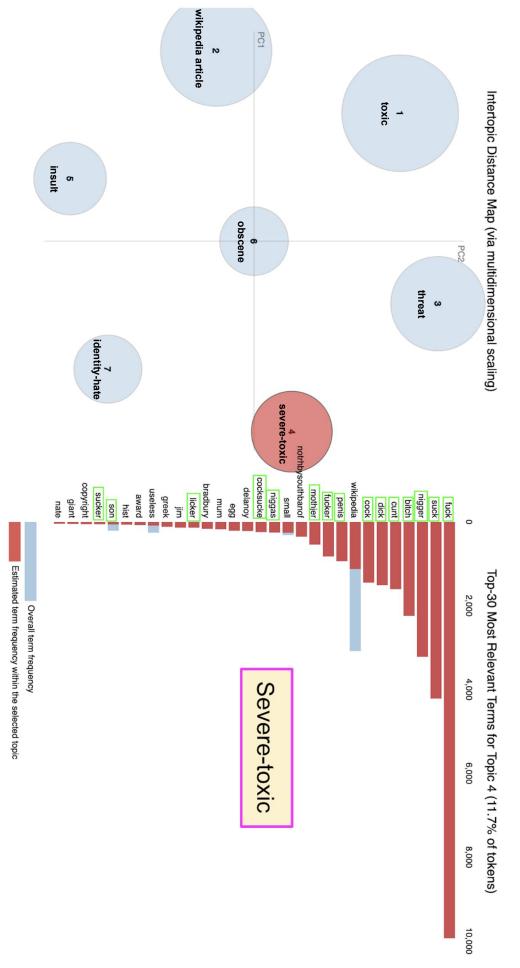




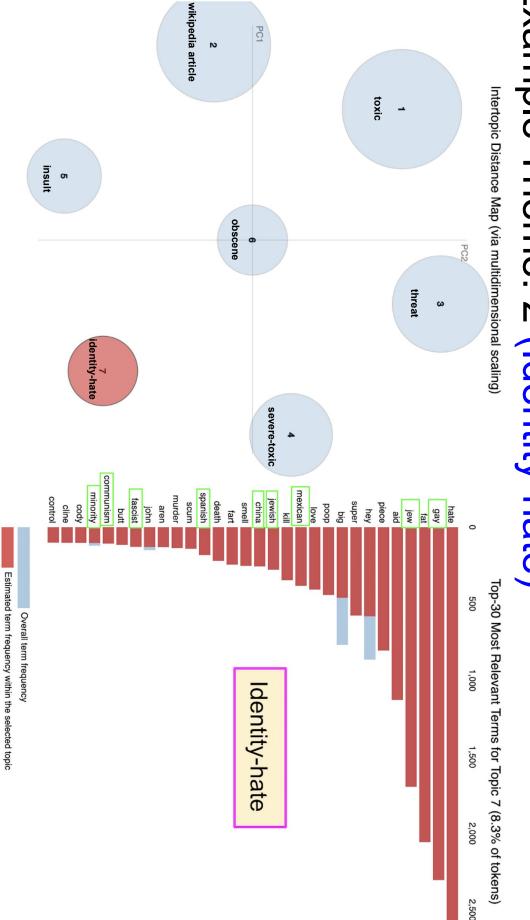
Topics from LDA model



Example Theme: 1 (Severe-toxic)



Example Theme: 2 (Identity-hate)



Summary & Future Outlook



