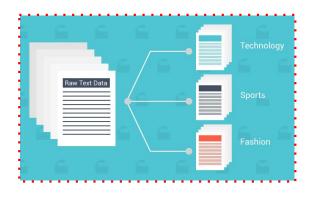
Toxic Content Classification via Unsupervised Learning



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)



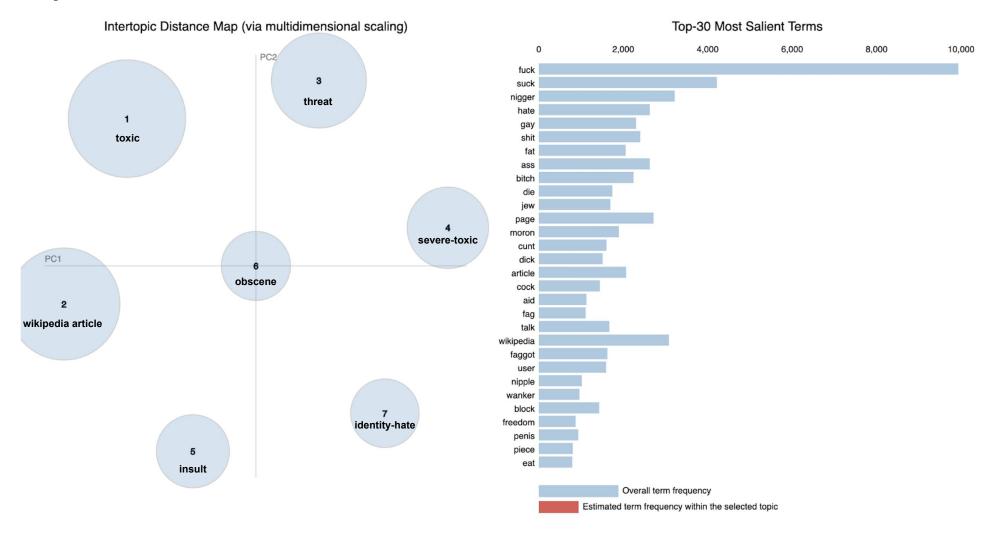




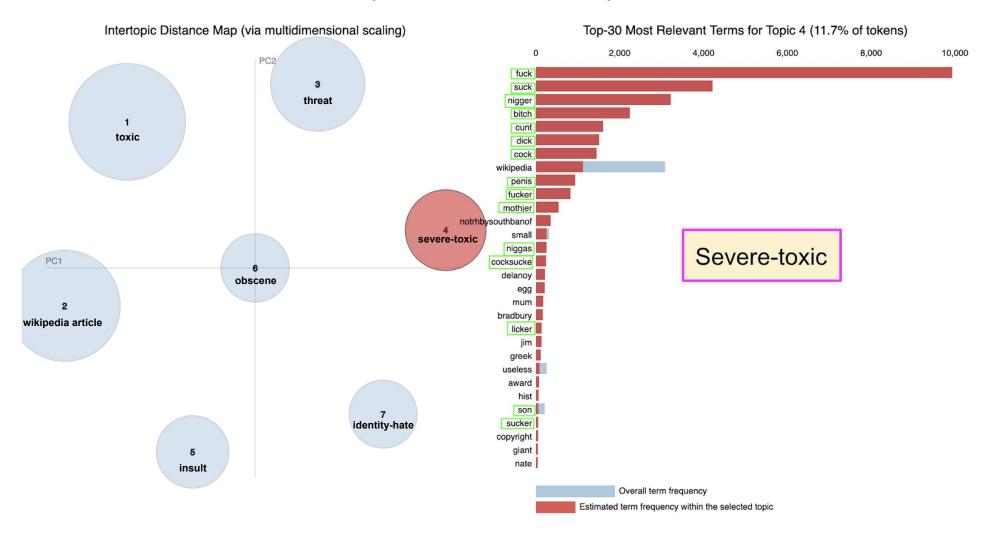




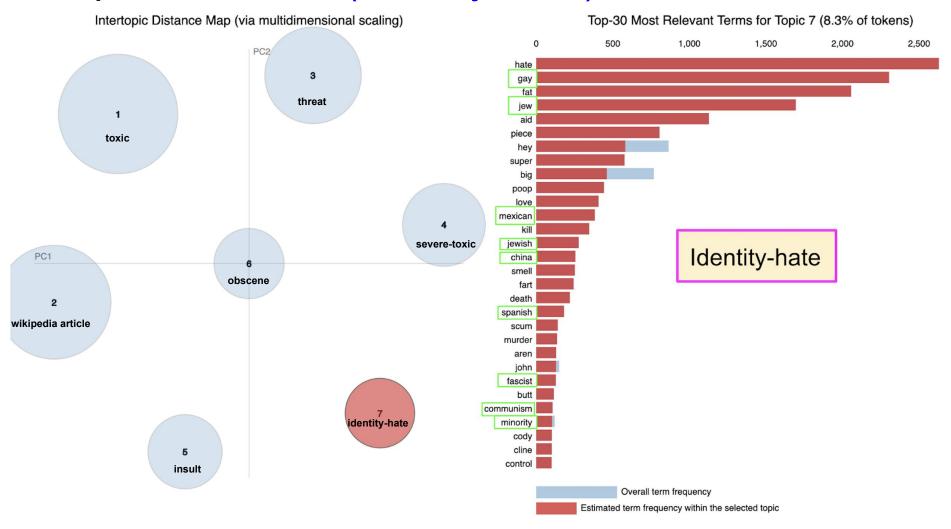
Topics from LDA model



Example Theme: 1 (Severe-toxic)



Example Theme: 2 (Identity-hate)



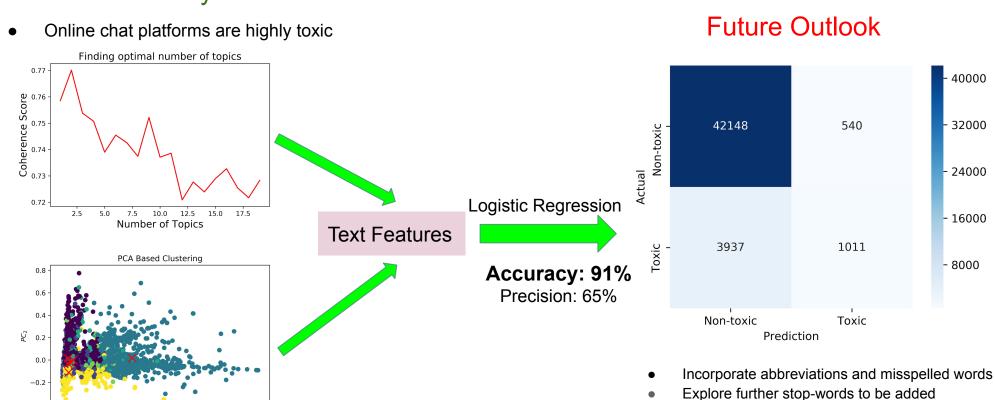
Summary & Future Outlook

1.0

Summary

0.0

unsupervised → supervised learning



Use n-grams