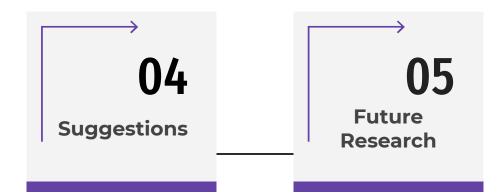
Twitch Streams: Detecting Hate



By: Kelsey Lane

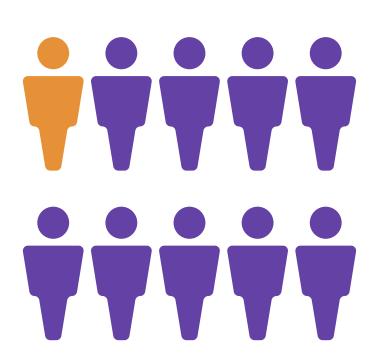
Agenda







1 in 10 users reported they've been bullied or felt unsafe while streaming



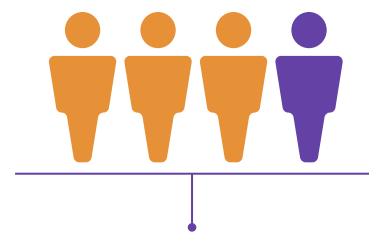












3 out of 4 users think Twitch is not effective in addressing bullying



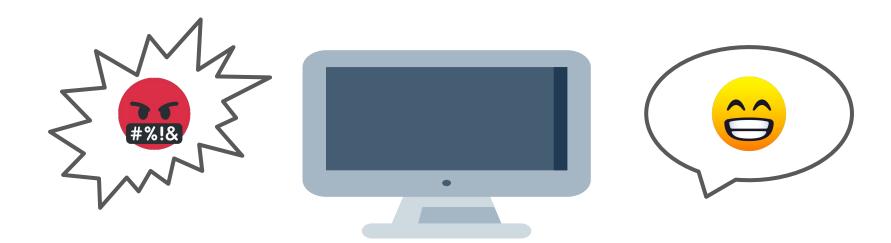








So What Can We Do?



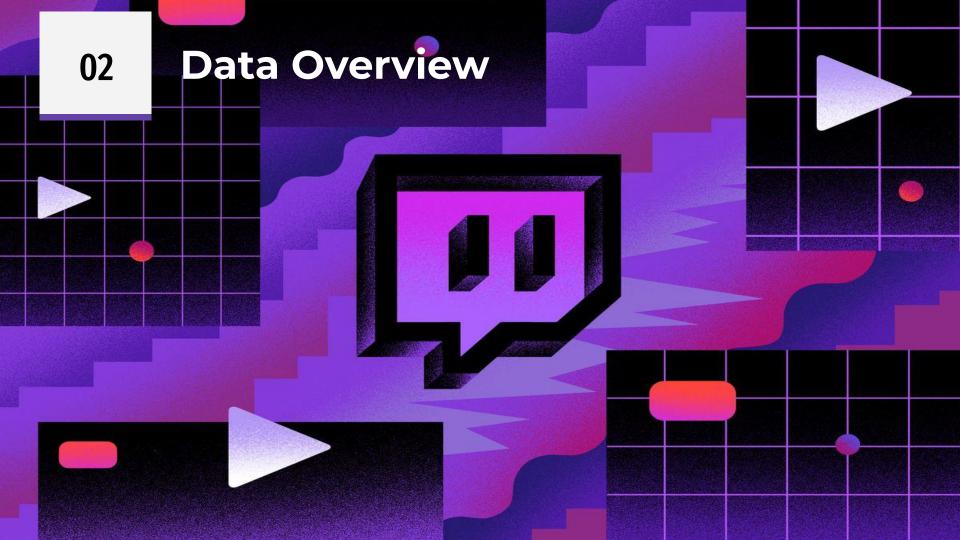












Data

- Twitch livestream chats
 - May June 2018
 - 4 streamers
 - o 9 streams
- 102,700 total





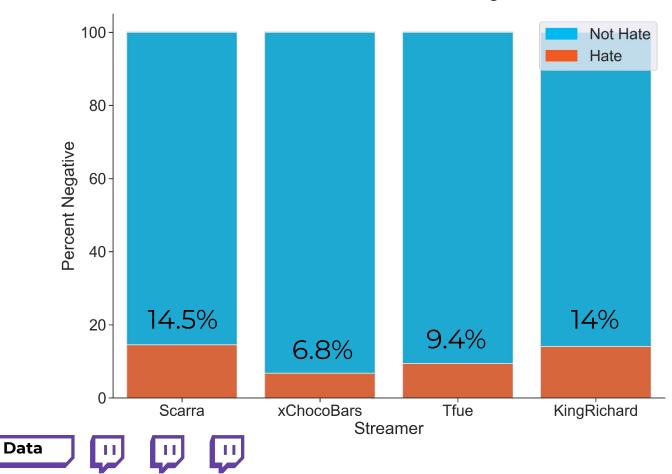








Percent Hate Comments By Streamer







Data









Sentiment analysis

- Identify hateful chats
 - Find frequent words
- 76% Recall









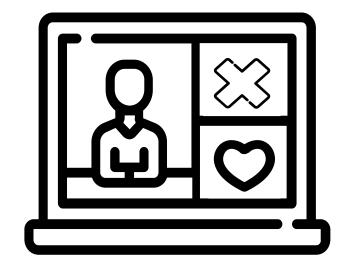






Suggestions

- Flag hate chats
- Build stronger filter
 - Focus on misspellings













Future Research 05 **Cull Ch** Partner Lounge



Future Research

- Model specific categories
- Flag frequent offenders

Other languages

















kelsklane



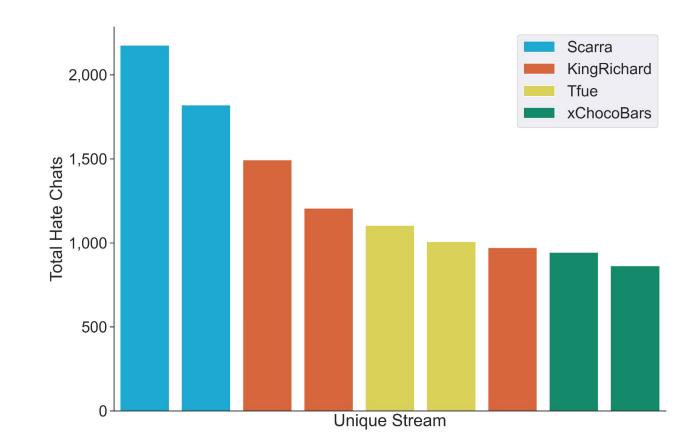
kelsklane@gmail.com

Thank you!

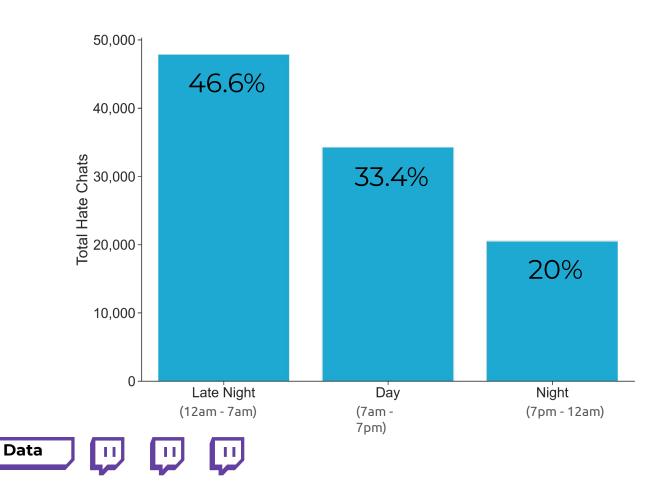
Questions?

Appendix

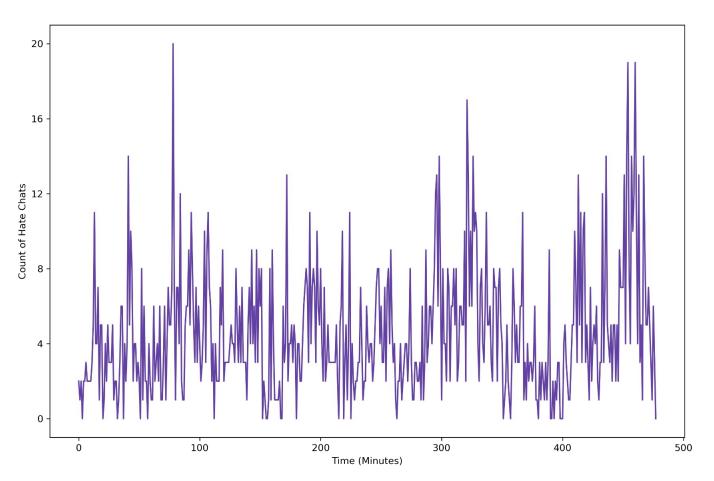
Number of Hate Comments For Each Stream



Number of Hate Comments By Time of Day



Number of Hate Comments Over Time For One Stream



Credits:

Image:

https://www.polygon.com/22700564/twitch-hate-raids-safety-feature-streaming

Survey:

https://blog.streamelements.com/streamelements-analysis-on-twitch-bullying-c3f2b2240318