Identification of social media users that perpetuate xenophobic attitudes and narratives in SA

Elections

Political Polarisation and Network Analysis in South African Election Discourse

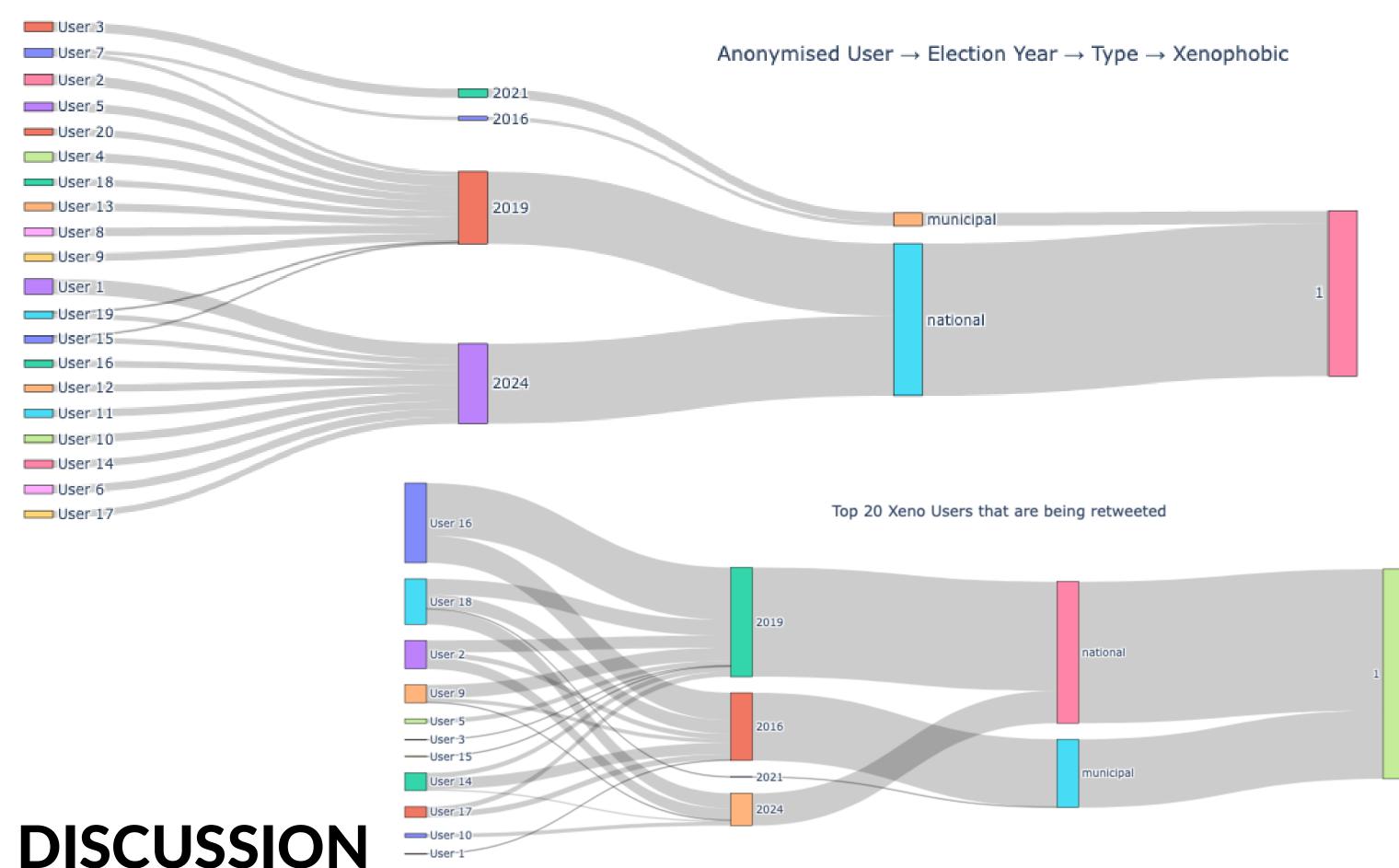
INTRO

- Identifying xenophobic and hate speech tweets are hard, social media companies remove explicit posts.
- Trained model with an external xenophobic data set.

METHODS

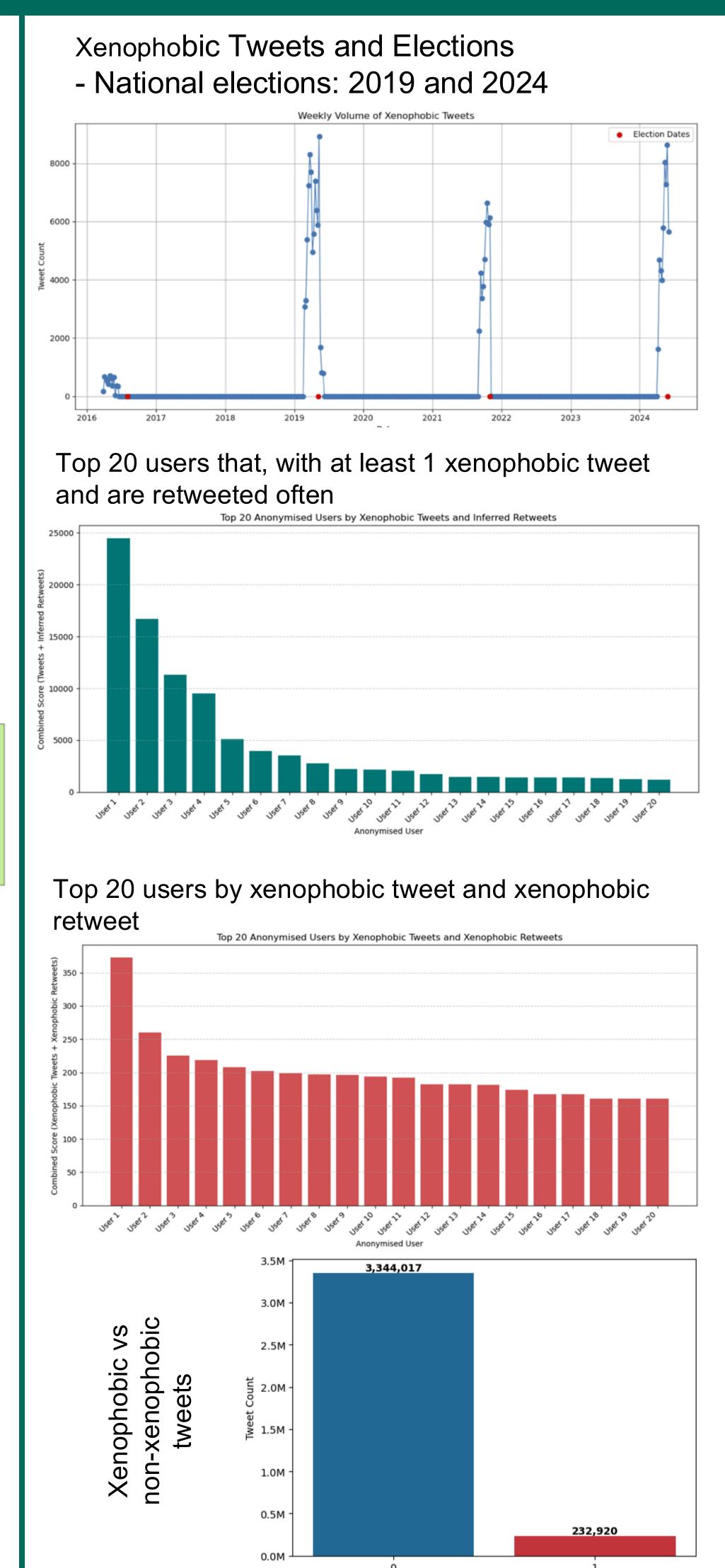
- 1. Sentiment Analysis
- 2. Train with external data set, evaluate
 - Logistic Regression
 - Decision Trees
 - Transformer models
- 3. Best results with DistilBERT

RESULTS



- Most xenophobic posts occurred during National elections
- 11 of the top 20 users who are being retweeted often, and that have at least one xenophobic tweet, have screen names that are linked to political parties.
- Even though explicit xenophobic and hate speech is removed by the social media companies, our trained model is still able to detect xenophobic, hate or other forms of negative speech.

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