

Refugees Welcomed? A Computational Approach to Identifying and Documenting Toxic Anti-Immigrant Narratives on Twitter Against Ukrainian Refugees

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Case Study: Refugees Fleeing Ukraine

- On Feb 24, 2022, Russia invaded Ukraine, forcing a large number of refugees to leave the country in search of safety and security.
- As of Feb 2023, **>8M** refugees from Ukraine were recorded across Europe (the UN Refugee Agency).
- This case study examines the anti-immigrant and anti-refugee narratives on social media (Twitter).

Research Questions



RQ1: Which thematic narratives are frequently present in toxic tweets concerning Ukrainian refugees?



RQ2: What types of users are involved in toxic replies, either as targets or instigators?

By understanding the language and sentiment of anti-immigrant and anti-refugee narratives, we can develop effective strategies to counteract potentially harmful discourses on social media.



Automated Toxicity Analysis

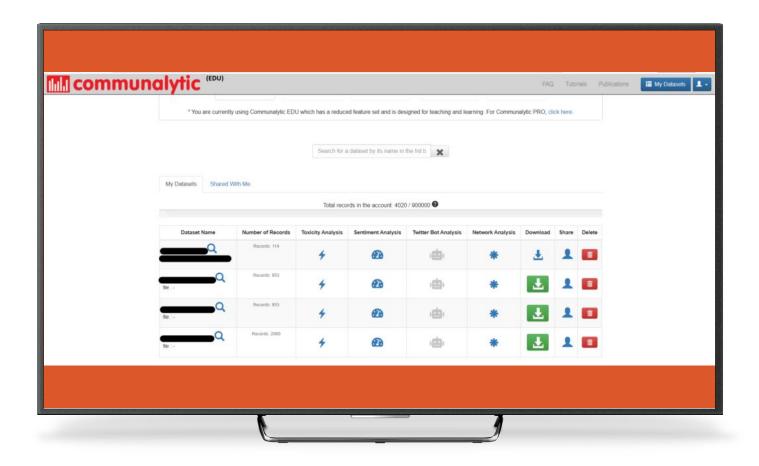
via Google's Perspective API

- Toxicity
- Severe toxicity
- Insult
- Identity attack <
- Profanity
- Threat

Assessment of toxic language attacking someone based on identity (**nationality**, **race**, **gender**, **sexual orientation**, **ideology**, **religion** ...)

Communalytic

A research tool developed by TMU's Social Media Lab for studying online communities and discourse



Communalytic can collect, analyze, and visualize public data from social media (e.g. Reddit, Telegram, Twitter) or CSV/JSON files.

https://communalytic.org

Data Collection and Analysis

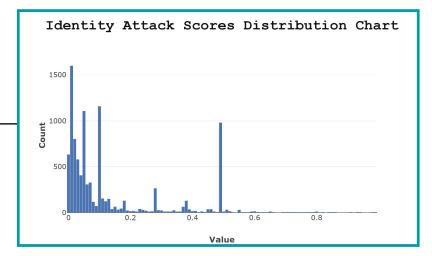
We collected **811,933** tweets between Feb. 24, 2022 (start date of Russia's invasion of Ukraine) and March 31, 2023

7,497 tweets received the 'identity attack'

score over 0.6

SEARCH QUERY:

(Ukraine OR Украина OR Україна OR Ucraina OR Україні OR Ucrânia OR Ucrania OR Oekraïne) (immigrant OR refugee OR "asylum seeker" OR иммигрант OR беженец OR проситель убежища OR іммігрант OR біженець OR шукач притулку OR Flüchtling OR Asylbewerber OR réfugié OR demandeur d'asile OR rifugiato OR richiedente asilo OR přistěhovalec OR uprchlík OR žadatel o azyl OR requerente de asilo OR refugiado OR solicitante de asilo OR vluchteling OR asielzoeker)



3,143 tweets (original posts or replies), after excluding retweets

Research Questions / Method





RQ1: Which thematic narratives are frequently present in toxic tweets concerning Ukrainian refugees? RQ2: What types of users are involved in toxic replies, either as targets or instigators?

Conducted a manual content analysis on 10% of 3,143 tweets w/Identity Attack score > 0.6

* Future Work - Analyze all 3,143 tweets w/Identity Attack score of > 0.6

Analyzed a 'Who Replies to Whom' network, consisting of 3,334 accounts and 1,123 edges representing potentially toxic replies

RQ1: Thematic Narratives of Toxic Tweets Concerning Ukrainian Refugees



1. Appealing to Fear

Ukrainian refugees are untrustworthy and dangerous





2. Appealing to Fairness

Criticizing preferential treatment of Ukrainian refugees 3. Appealing to Stereotypes and Xenophobia

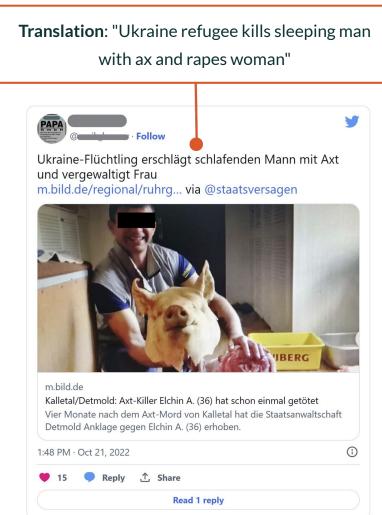
Accusing Ukrainian refugees of being racist or ungrateful

RQ1: Thematic Narratives of Toxic Tweets Concerning Ukrainian Refugees



1. Appealing to Fear

• Claimed that Ukrainian refugees are dangerous and are criminals



RQ1: Thematic Narratives of Toxic Tweets Concerning Ukrainian Refugees



1. Appealing to Fear

- Claimed that Ukrainian refugees are deceitful and are abusing the system
- Questioned the legitimacy of their status

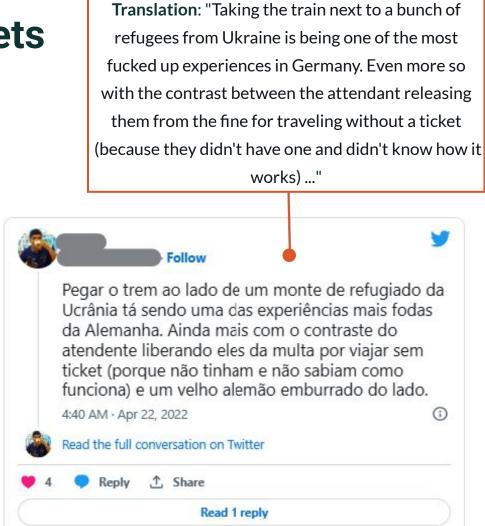


RQ1: Thematic Narratives of Toxic Tweets Concerning Ukrainian Refugees



2. Appealing to Fairness

- Criticized the amount of money spent on Ukrainian refugees
- Argued that accepting Ukrainian refugees strains public services



RQ1: Thematic Narratives of Toxic Tweets Concerning Ukrainian Refugees



2. Appealing to Fairness

• Ukrainian refugees received preferential treatment



RQ1: Thematic Narratives of Toxic Tweets Concerning Ukrainian Refugees



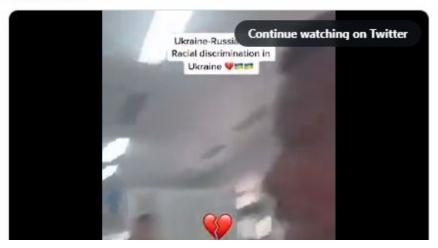
3. Stereotyping and Xenophobia

• Accused Ukrainian refugees of being racist or ungrateful



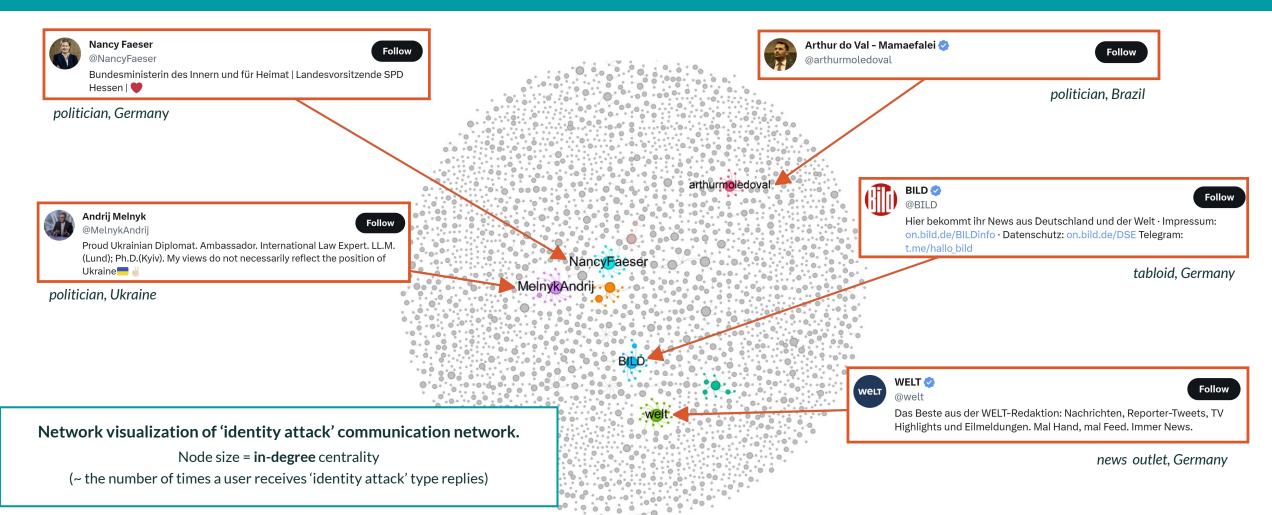
Ukrainians outside the building this African refugee was in were trying to Lynch him. I need all my black Americans to stand in unison against Ukraine against our black brothers and sisters. This is bigger than a political party.

More info:



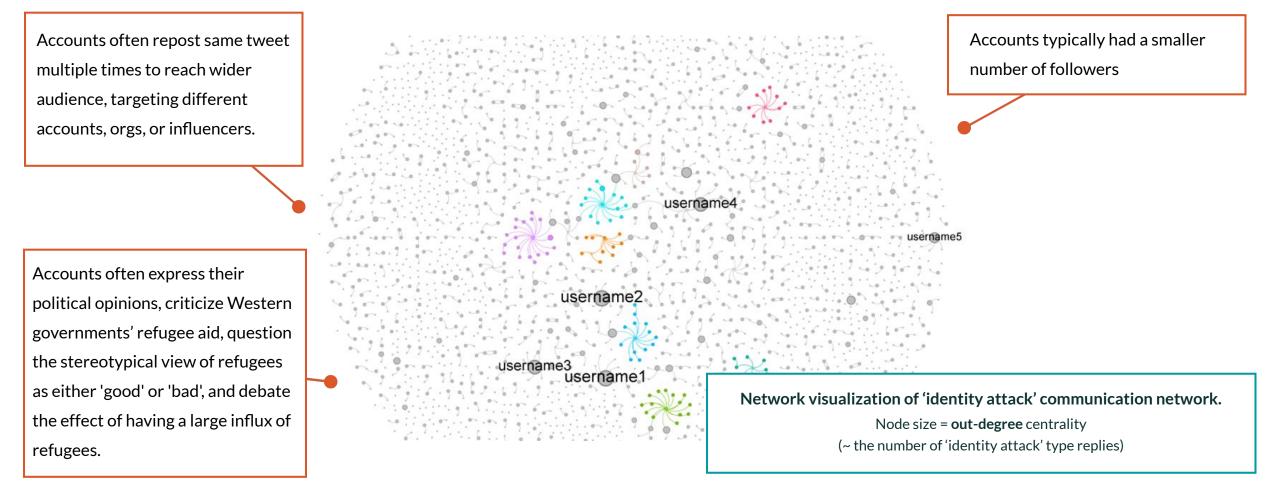
RQ2: What types of users are involved in toxic replies, either as targets or instigators?

Top 5 Targets of Toxic Replies



RQ2: What types of users are involved in toxic replies, either as targets or instigators?

Top 5 Instigator of Toxic Replies



Conclusions





Identified negative narratives about Ukrainian refugees

Including accusations of fraud, criminal behavior, and undeserved financial support Primary targets of 'identity attack' tweets

Public figures, politicians, journalists, and media organizations Not all users with 'identity attack' language expressed anti-immigrant/anti-refugee views

Some accounts were countering racist and sexist remarks by public figures 3

Many accounts from Germany

Warrants further examination

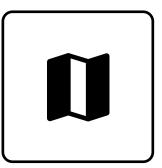
This study stresses the need for a nuanced approach to detecting toxic tweets, taking into account both the posters and intended targets.

Study Limitations and Future Work



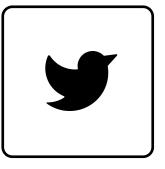
Text-based Analysis Only

Future work: Analyze visual content (in addition to textual content) to detect toxic interactions



Language Restrictions

Future work: Analyze posts in additional languages such as Polish and Turkish





Future work: Analyze other social media platforms such as Facebook, Instagram, Telegram, TikTok

Closing Thoughts: The West's immigration policies and schisms will be exploited

In an era of inflationary pressures and budgetary constraints, immigration issues may be exploited by Canada's adversaries.







Example of an Anti-Immigration Foreign Information Operation

RollingStone (a) Q

POLITICS | Pro-China Internet Trolls Just Got Busted for Doing Something Wild

Pro-China Internet Trolls Just Got Busted for Doing Something Wild

The New Europe Observation looked just like another far-right online-media outlet. But something more sinister was at work

BY ADAM RAWNSLEY

MAY 3, 2023

Last week, Meta exposed a Chinese troll operation that had set up a fake company in London and was looking to hire anti-Soros protestors to stir up anti-immigrant sentiments in the West both online and offline.