Network	ρ_{kx}	r_{xx}	H	$\langle x \rangle$		$\langle x \rangle_n n$
Empirical	0.0658**	-0.0001	0.6170	0.2674	<	0.2724
Shuffle toxicity per post	-0.0035	-0.0001	0.6170	0.2672	$\approx$	0.2673

A TEMPLATE FOR THE *arxiv* STYLE

DNDS 6012: SOCIAL NETWORK FALL 2021

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ABSTRACT

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1 Introduction

Despite their contributions in facilitating political communication and potentially promoting deliberative democracy, social network sites are increasingly accused of breeding or amplifying toxic behaviors such as spreading mis/disinformation and hate speech, which pressures the platforms to be more critical about their "free speech" rhetoric and moderate user-generated content with extra caution. For instance, Reddit has been banning controversial subreddits that violate its content policies, including `r/The_Donald`, one of the most active political subreddits with more than 790,000 subscribers. Existing works have explored the impact of such interventions at both the user- and the community-level[**? ?**], but mostly adopt an isolated approach that analyzes individual data points without considering the underlying dynamics in the network structure. Thus, their implications on the efficacy of content moderation are still limited, not answering whether and how these interconnected elements (i.e., users and communities) maintain their interactions after the moderation. Therefore, my project hopes to observe how subreddit bans introduce topological changes of user and community network in online political discussions. More specifically, I plan to retrieve comments and submissions from 65 political subreddits[1], build projection networks of the user-community bipartite on both side, and compare the network characteristics before and after the subreddit bans.

2 Dataset

3 Related Works

4 Methods

5 Results and Discussion

Acknowledgements

References

[1] Ashwin Rajadesingan, Paul Resnick, and Ceren Budak. Quick, community-specific learning: How distinctive toxicity norms are maintained in political subreddits. In *Proceedings of the International AAAI Conference on Web and Social Media*, volume 14, pages 557–568, 2020.