



Generative AI and Immigration Discourse on X: Evidence from Community Notes

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This paper examines the use of generative AI in immigration-related discourse on X (formerly Twitter) during the period of rapid adoption of synthetic content creation tools. Drawing on a dataset of over 150,000 Community Notes labeling manipulated media between January 2023 and December 2025, the study assesses the prevalence of AI-generated media (images or videos) in posts and the narratives advanced to either legitimize or contest immigration. We analyze how such media content is used in potential disinformation campaigns, policy debates, or fraudulent schemes, with a particular focus on the role of malicious actors in amplifying polarizing or fabricated claims. The findings will highlight the growing influence of generative technologies in shaping public perceptions of immigration and demonstrate how community-based moderation may contribute to identifying risks posed by synthetic media in politically sensitive contexts.

Anatoliy Gruzd interdisciplinary research program aims to advance the public's understanding of the benefits and pitfalls of social media adoption by investigating how social media platforms are changing the way people and organizations communicate, share (mis)information, and conduct business. Dr. Gruzd specializes in analyzing online communities and social networks, as well as creating novel computational techniques and tools for examining public discourse on social media in various domains. His innovative approach to studying social media has led him to be named a Canada Research Chair (CRC) Tier 2 in 2015 (renewed in 2020), and his induction into the Royal Society of Canada College of New Scholars, Artists and Scientists in 2017. In addition to receiving funding from the CRC Program, his research has been supported by all three Tri-Council agencies in Canada: The Social Sciences and Humanities Research Council, Natural Sciences and Engineering Research Council, and Canadian Institutes of Health Research.