The Linguistic Expression of Hate Speech: A Corpus Analysis of Causal Constructions in Hate Speech

Kaelyn J Lamp and Marten van Schijndel Department of Linguistics, Cornell University

kjl227@cornell.edu, mv443@cornell.edu



Introduction

Syntactic constructions convey distinct implications, thematic roles, implicit knowledge, etc. (Semin and Fiedler, 1991). How does hate speech use theses to assign causal responsibility/blame to minority (targeted) groups and majority groups?

- Are minorities labeled as causers or are majorities labeled as victims?
- Are different types of casual constructions used similarly in hate and non-hate speech?
- How is indirect speech utilized in hate speech?

Background

Initial words are cognitively salient and verb choice can manipulate perception of causal responsibility (Ng, 2007; Leets, 2000).

- 1. Immigrants steal hard working Americans' jobs.
- 2. Immigrants cause hard working Americans' jobs to be stolen.
- 3. Hard working Americans' jobs are being stolen by immigrants.
- 4. Hard working Americans' jobs are being stolen.

Causal Constructions

Implicit causality construction (Example 1) is a type of lexical causation construction used to discuss the direct cause of an event.

Causative construction (Example 2) uses a causative verb to express causation and is used in more complex events and focuses on the cause's role in the event, meaning it either emphasizes causal responsibility or avoids implying direct causation (Wolff, 2003).

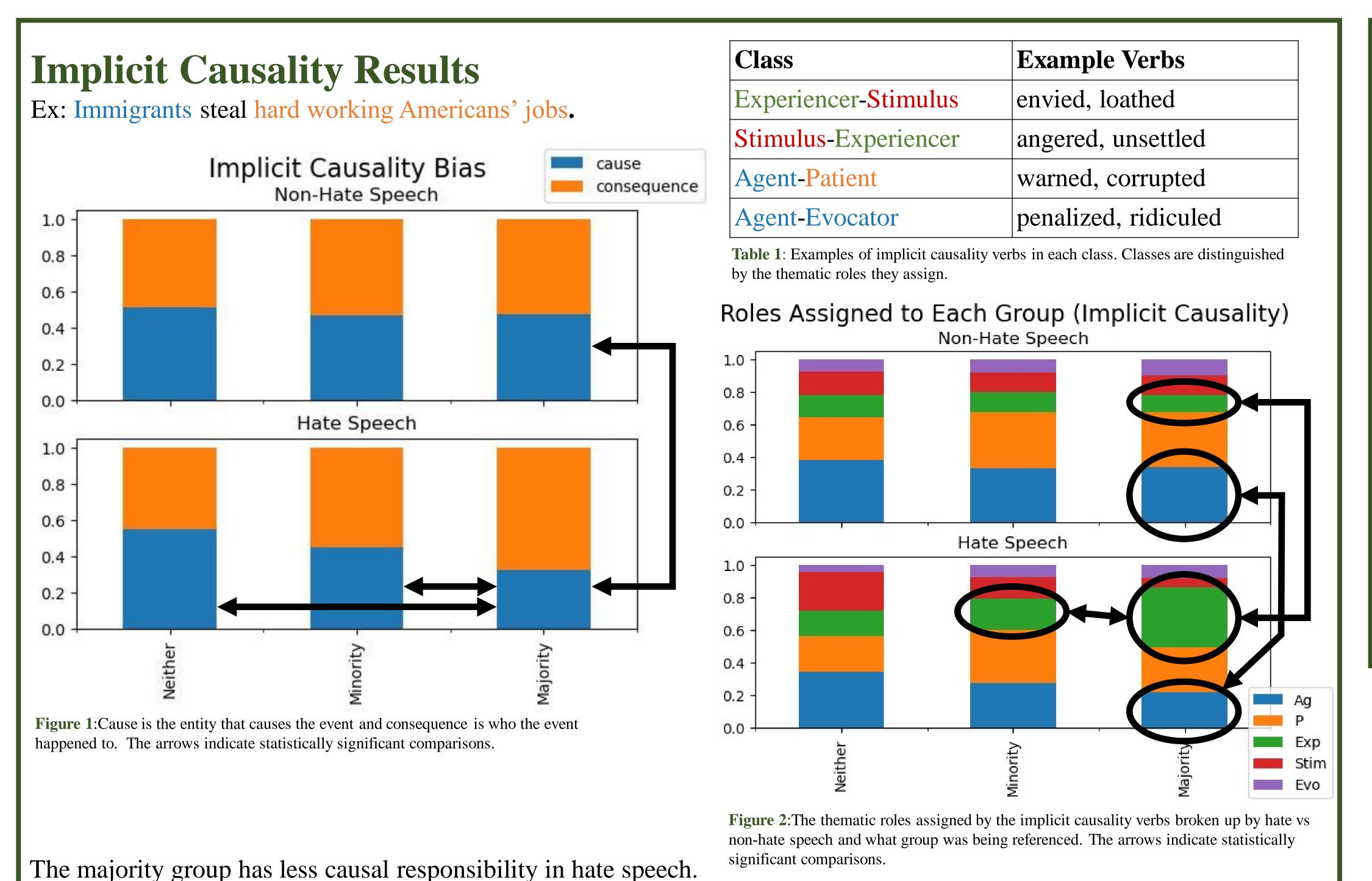
Dataset

The dataset is comprised of 3 Twitter hate speech datasets.

- Xenophobia dataset
- SemEval-2019 Task 5 (Basile et al., 2019)
- Kaggle Dataset (Brivio, 2022)

Each dataset was labeled with:

- Hate speech vs non-hate speech
- Sentiment (Positive, Neutral, Negative)
- Minority references
- Majority references
- Implicit causality constructions
- Cause
- Consequence
- Thematic roles
- Causative constructions
 - Cause



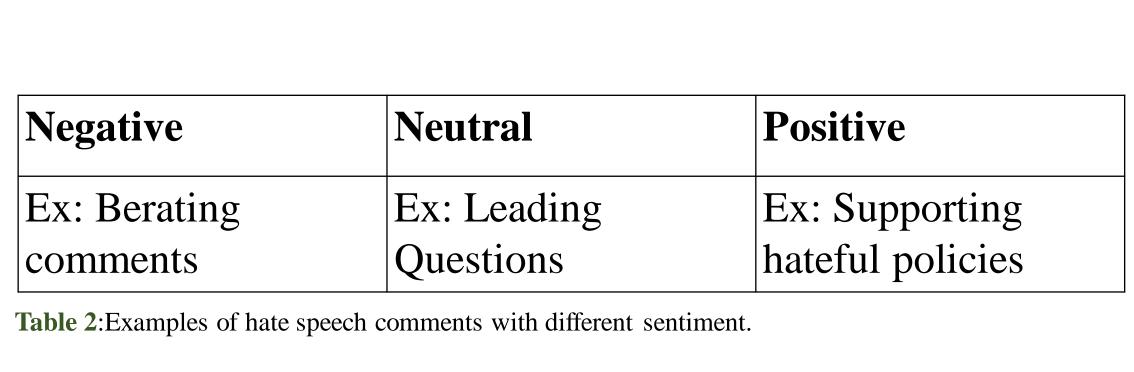
The percentage of majority group references in hate speech that are the cause is significantly less. (Figure 1)

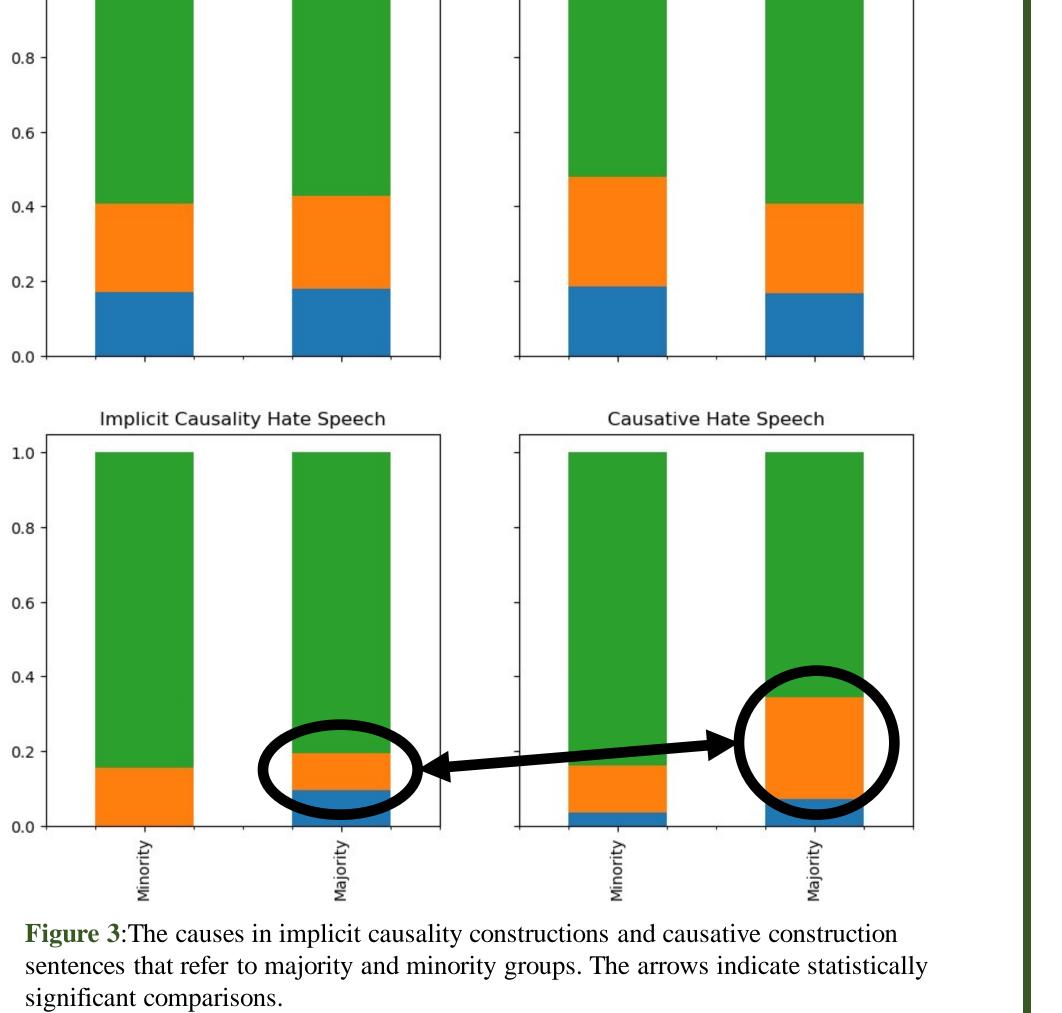
Thematic roles assigned to majority group references in hate speech have less agency and intention. (Figure 2)

Causal Constructions Results

The causal constructions behave differently in hate speech.

- In hate speech, the majority group is spoken about with less negative sentiment using the causative construction. One of the following could explain why:
- The causative construction is being used to emphasize the role the majority group played in events that the speakers have a non-negative attitude about.
- The causative construction is being used to emphasize the role the minority group played in events that the speakers have a negative attitude about.





Cause by Causal Constructions and Sentiment

Noun Phrase Position in Sentence Later in Sentence 2.3 2.1 Earlier in Sentence Non-Hate Speech Type of Speech Figure 4:The causes in implicit causality constructions and causative construction sentences that refer to majority and minority groups.

Conclusions

- Implicit causality minimizes agency of majority group
- The causal constructions seem to be used differently in hate speech when referring to each group.
- Hate speech uses word order to emphasize minorities and deemphasize majorities.

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