Language trends after large-scale upheavals

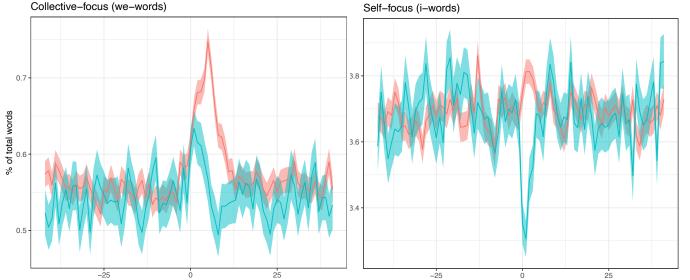
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BACKGROUND

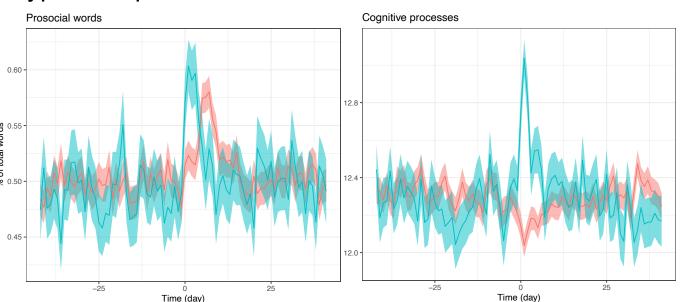
- Large-scale upheavals like natural disasters and public mass shootings may <u>bring people together</u>: they work together to process and surmount the upheavals, forging collective identities
- Upheavals may also <u>drive people</u>
 <u>apart</u>: they update their beliefs about how nasty and brutish the world is, and how much one must fend for oneself
- Which force prevails? We use the effects of upheavals on people's daily language as a first step toward understanding those on other realworld behavior

METHODS

- Timeframe: April 2013 March 2023
- 196 federally declared disasters [1]
- 60 mass shootings [2]
- 6,205,198 comments from 1,144,308 authors in 60 city-level subreddits posted 6 weeks before and after each upheaval
- Dictionary-based text analysis [3]



People use more cohesive language after upheavals, but in different ways for different types of upheavals



FAQs

- Which upheavals did you include?
- Does the severity of the upheavals moderate the effects?
- Have these effects changed over time?
- How do the effects of natural disasters differ from those of mass shootings?

We have answers for you here!



DISCUSSIONS

event type

disaster

shooting

- For natural disasters, we see deviations from past findings on the self-focus and cognitive processing dimensions
- For mass shootings, we see trends that mirror past findings, albeit on a smaller scale
- Some future analyses we want to run:
 - What does "we" mean?
 - Other upheavals?
 - · Other behavior?

Let us know what you think we should do next!



- [1] Federal Emergency Management Agency (FEMA)
- [2] The Violence Project
- [3] Linguistic Inquiry and Word Count (LIWC)