

Climate Change Discourse on Twitter

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Motivation

- What are the main topics, themes, and narratives that dominate climate change discussions on Twitter? What does the discourse tend to focus on?
- What individuals, organizations, locations, and other entities are most influential in shaping the climate change narrative on Twitter?

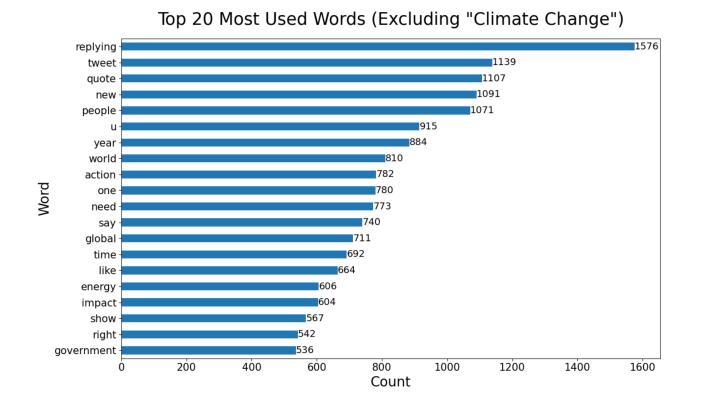
Dataset Overview: Climate Change Tweets on Twitter

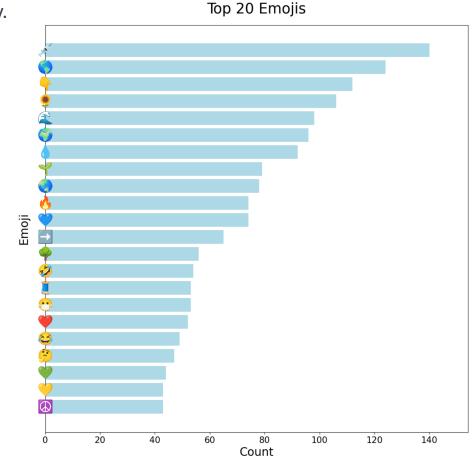
- Source: Tweets scraped by Kaggle user Diego Farchione
- **Duration**: Captured from January 2022 to July 2022.
- Content: Highlights top tweets with the keyword 'Climate Change' between January 2022 to July 2022.
- Key Features (for each tweet):
 - User & Tweet Details:
 - User Screen Name, Username, Text, Date
 - Engagement Metrics:
 - Comments, Likes, and Retweets
 - Additional Context:
 - Emojis, Image Link,



Analysis: Word and Emoji Frequency

- Active User Engagement: Vibrant discussions & debates.
- Diverse Conversations: From energy solutions to policy discussions.
- Sense of Urgency: Emphasis on immediate action & collective responsibility.





Analysis: Named Entity Recognition

	people	organizations	geopolitics
0	putin	un	australia
1	anthony albanese	supreme court	california
2	scott morrison	congress	china
3	joe	senate	russia
4	biden	gop	canada
5	gif alt	ера	india
6	taylor	abc.net.au	america
7	joe manchin	abc	pakistan
8	morrison	nasa	texas
9	john kerry	cnn	florida

- Climate change discussions on Twitter are heavily influenced by political decisions, leaders, and policies, especially from the US.
- Media outlets and their reporting are crucial in shaping the narrative around climate change.
- The global nature of the issue is evident, with mentions of diverse regions facing different climate challenges and contributing differently to the problem.

Analysis: Topic Modeling

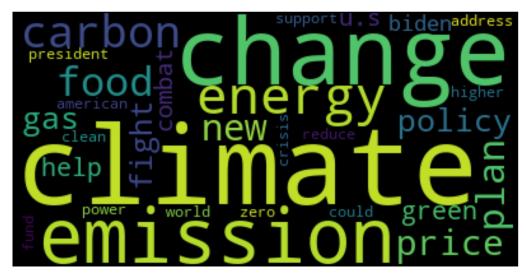
Topic 1: Energy Sources and Their Impact

- •Discussing the environmental impact of different energy sources.
- •Legal implications with energy companies.
- Advocacy against harmful energy practices and fossil fuels.

Topic 2: **Technical & Policy Aspects**:

- •Delving into carbon emissions and energy sources.
- •Discussing potential strategies and policies.
- •Intersection of climate change with food and agriculture.





Takeaways