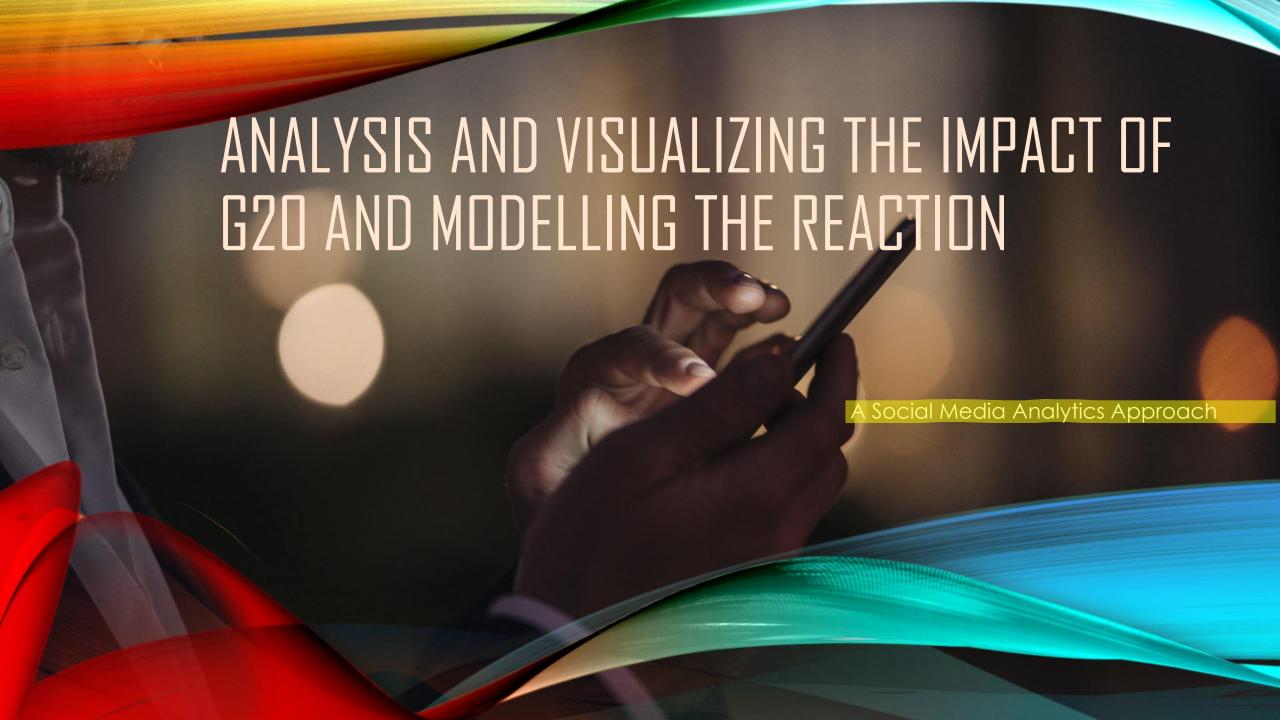
DATA ANALYTICS AND VISUALIZATION

PROJECT
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REAL-TIME INDICATORS: TWITTER AND YOUTUBE

Due to the nature of their platforms Twitter and YouTube are often considered real-time indicators. The way information is disseminated and consumed on them provides the real time indications.

- Instantaneous Updates
- User-Generated Content
- Global Reach
- Hashtags and Trends
- Live Updates and Notifications
- Engagement Metrics

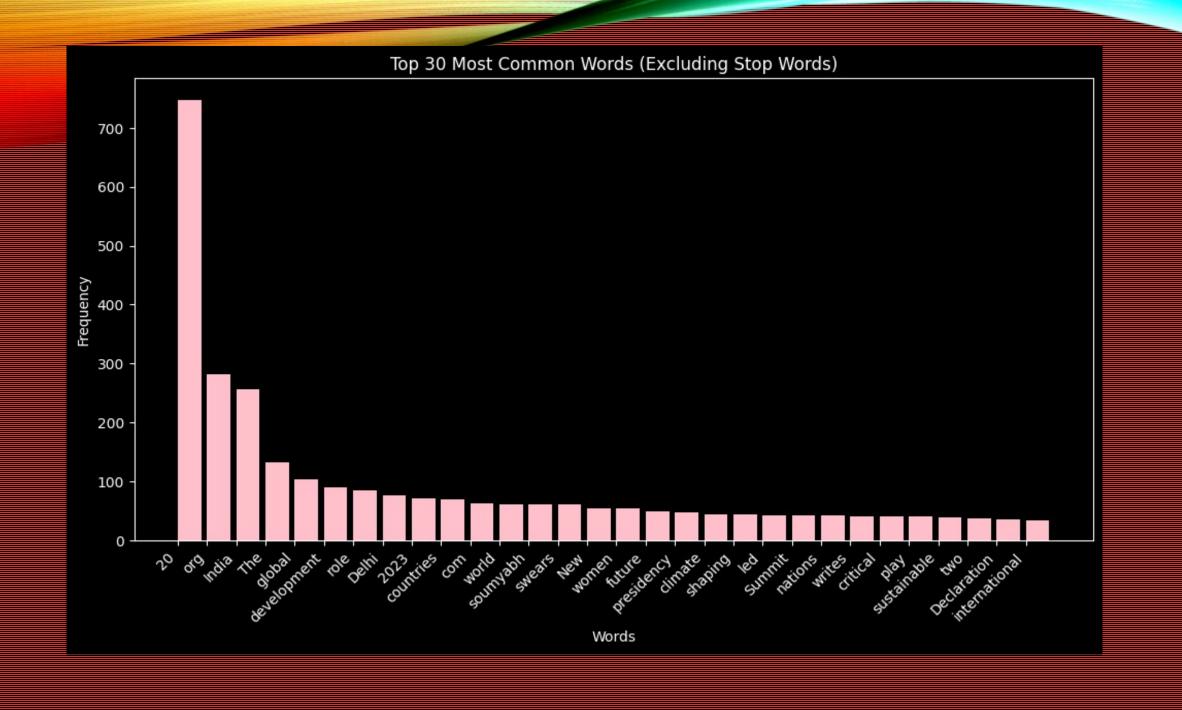
INSIGHTS INTO PUBLIC MOOD, CONCERNS, AND REACTIONS

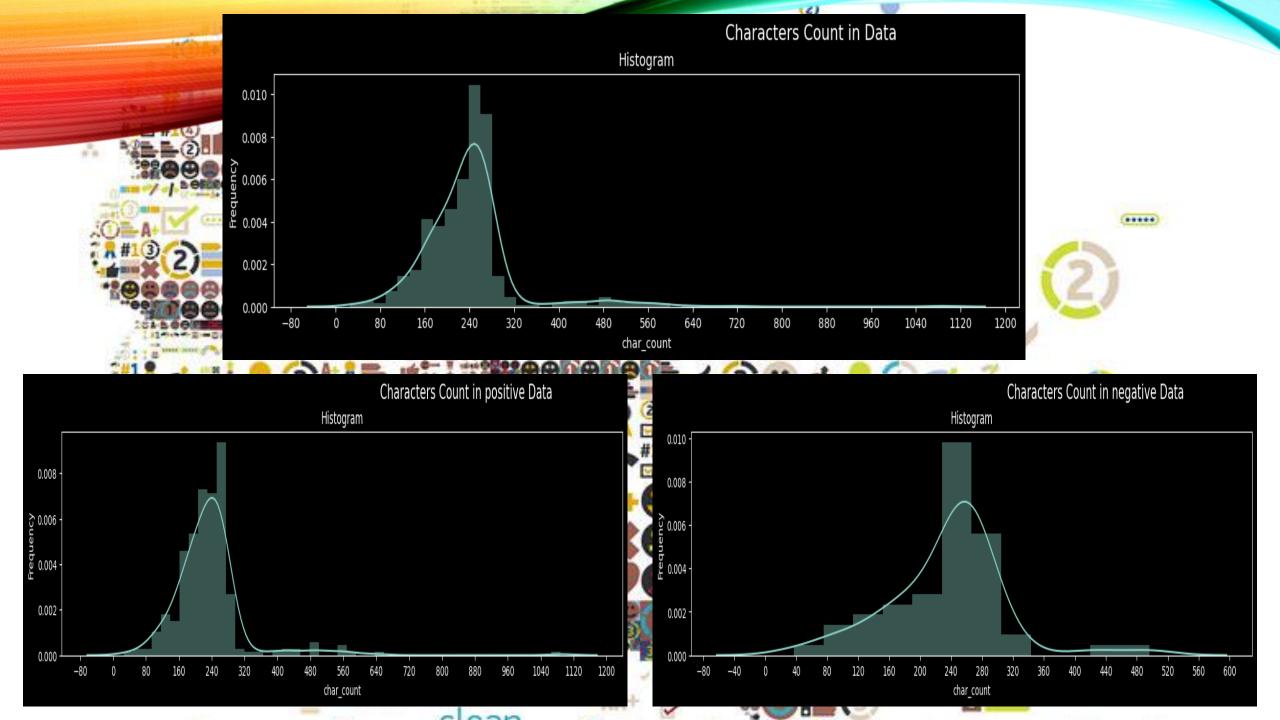
• A well structured social space is provided on Social media platforms for people to share their opinions and engage in discussions about the trending topics, as we have analyzed on G20. Amplification and influences of the conversations happening on these platforms on public sentiment can be studied.



ARTICLES/BLOGS

- A new model of inclusive diplomacy forged by India.—<u>Kapil Sharma</u>, the senior director of the Atlantic Council's South Asia Center.
- While Xi 'contained' himself ,Modi cemented his leadership of the Global South.—<u>Michael</u> <u>Schuman</u>, a nonresident senior fellow at the Atlantic Council's Global China Hub and a contributing writer for the Atlantic magazine.
- India's growing power showcased by the G20. The limits of its foreign policy could also be exposed.— Chatham House; The Royal Institute of International Affairs
- India's growing global clout showcased via G20, as well as worries over press freedom. NBC NEWS
- India as a 'vishwaguru', a attempt of Modi government's to portray the visage of Modi alone on billboards everywhere has drawn a response from those watching. — THE WIRE

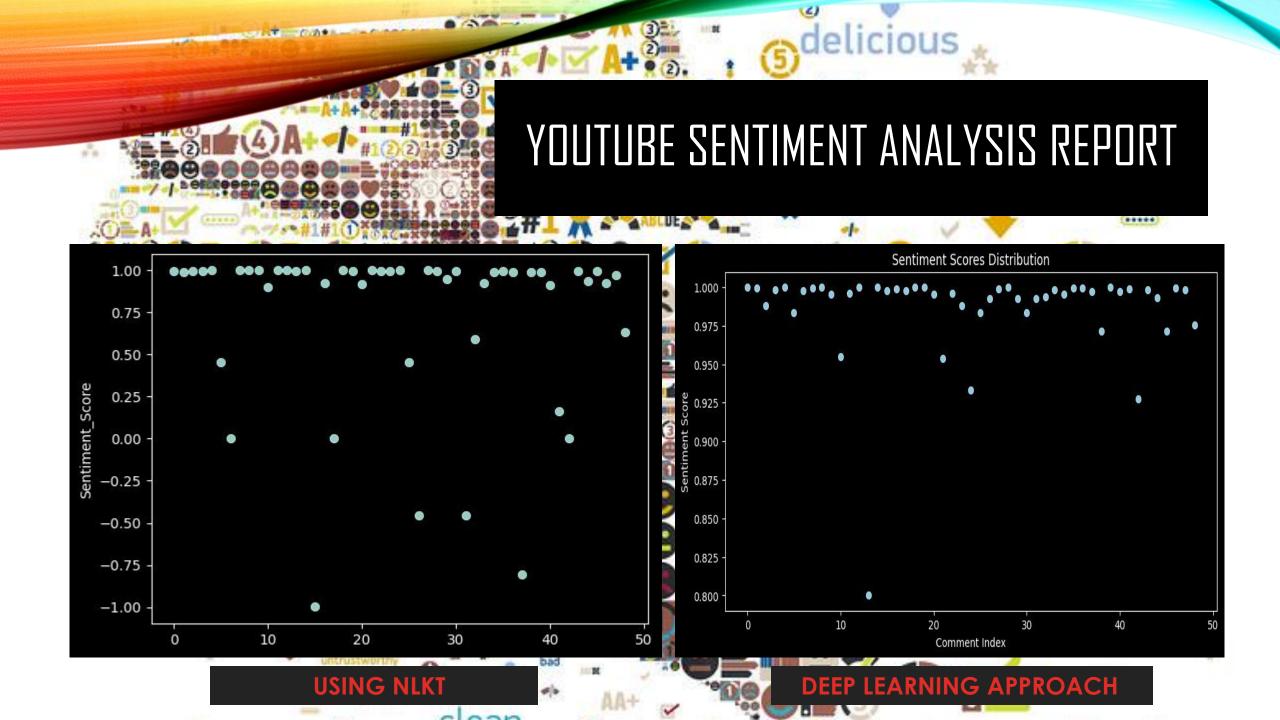






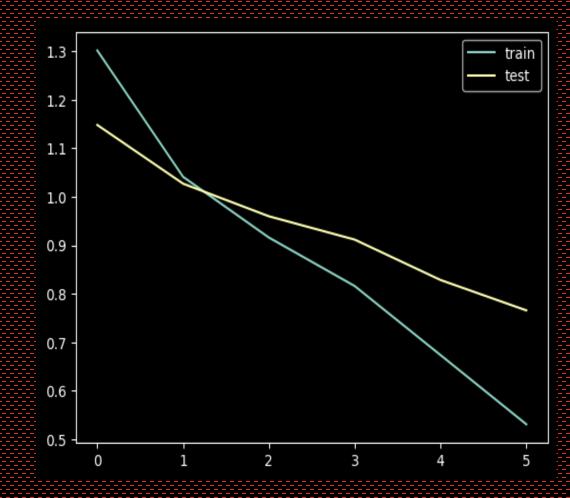
- We performed sentiment analysis on the tweets and youtube video comments to determine their polarity after preprocessing,, i.e., whether they express positive, negative, or neutral sentiment towards the Indian G20 presidency.
- Utilized the TextBlob library to perform sentiment analysis on the cleaned comments, categorizing them as Positive, Neutral, or Negative

TWITTER SENTIMENT ANALYSIS REPORT Label Frequency Histogram Label Distribution Pie Chart 300 Positive criticism Negative 250 200 Frequency 55 51 56.9% Negative criticism Positive 100 50 Positive Negative criticism Negative Positive criticism Label



TENSORLEOW-KERAS MODELING

- TensorFlow-Keras is a high-level neural networks API that is a part of TensorFlow ecosystem.
- A powerful and user-friendly tool for building and training deep learning models.



FINAL THOUGHTS

As we performed our study on the data through social media analysis, we arrive to the thoughts that this analysis is instrumental in providing real-time, diverse, and nuanced insights into public sentiment, contributing to a holistic comprehension of the impact of international events like the G20 summit. This analysis its complements traditional forms and enhances the ability to capture the multifaceted nature of public reactions. Public reaction vary depending on how the related issues are prioritized and the effectiveness of their proposed solutions.



