

IC23069 Abstract CRISISFACTS summarization

The purpose of the challenge is to gather data about Hurricane Dorian and Florian from social media platforms such as Twitter, Facebook, and online news outlets, and to analyze it to answer the questions given in the prompt. We decided to use Tableau for that process. Hurricane Dorian and Florian were two of the most devastating hurricanes that hit the United States in 2018 and 2019, respectively. We aim to examine how people reacted to the hurricanes and what information they shared on social media and online news outlets and the flow of the same.

To collect the data, we manually scraped through the hashtags related to Hurricane Dorian and Florian on Twitter and Facebook. We also scraped news articles related to the hurricanes from popular news outlets such as CNN, BBC, and The New York Times. The data collected included text, images, and videos related to the hurricanes, such as people's reactions, damage reports, and rescue efforts which we consolidated to an excel sheet for each day of the disaster. We have finished the data collection part, and are now analyzing it. The data collected was then analyzed using Tableau, a data visualization tool, to identify patterns and trends in the data. We plan on using different visualization techniques such as maps, charts, and graphs to analyze the data. This analysis will help us to identify the most discussed topics, popular hashtags, and the sentiment of people's reactions towards the hurricanes. Our manual scraping revealed that people were more active on Twitter than Facebook during Hurricane Dorian and Florian.

In conclusion, this project will demonstrate the potential of social media and online news outlets, whether they are valuable sources of data for analyzing people's reactions towards natural disasters.