

# RAPID: Analyses of Emotions Expressed in Social Media and Forums During the COVID-19 Pandemic



## Challenge:

- To secure and analyze data based on the collection of content surrounding emotions expressed during the COVID-19 pandemic on social media and forum platforms

## Solution:

- Application programming Interfaces
- Detecting positive and negative emotions and how they are linked to pandemic related events
- Machine learning models detecting misinformation and counter misinformation across platforms

## COVID-19 Online Prevalence of Emotions in Institutions Database (COPE-ID)

### How was this data collected and annotated?

The data will be collected using Application Programming Interfaces provided by each of the 10-15 social media and forums platforms that will be included in the dataset.



### What was used to build this?

The team is currently building this dataset. Python scripts will be used to pull the data. The nature and type of data collection will vary depending on platforms and their user agreements. We are building an online database entitled, COPE-ID where data from all 10-15 platforms will be stored.

## Scientific Impact:

- Understanding emotions and misinformation and counters to that misinformation surrounding the Covid-19 pandemic can improve secure and safer places online and offline through altering of health attitudes and behaviors.

## Broader Impact and Broader Participation:

- Improved understanding of barriers to human engagement in appropriate health prevention behaviors
- Improved understanding of the types of misinformation and counter misinformation across platforms: Reddit, Tumblr, Twitter, Parler, YouTube, 4chan, 8kun, Flickr, Gab, and Mastodon.