

# Real-time Classification, Geolocation and Visualization of COVID-19 Tweets

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## Objective:

Classify, geolocate, and map COVID-19 related tweets to help structure and navigate large volume of information.

## Classify:

Finetune BERT with novel L2 classification layer on labeled tweets relevant to respiratory viruses (MERS 2014 outbreak).

## Geolocate:

Extract toponyms with neural NER, and match to entries in GeoNames gazetteers to obtain geo-coordinates.

## Visualize:

Map geolocated and classified tweets in real-time with interactive components to filter tweets and read on hover.

## CRISIS TWEET MAP

Get tweets from the last x minutes:



Get tweets by category:

