

Table S1. Columns in 01. Tweets database and their descriptions

Column	Format	Description
user_id	String	The unique identifier of the tweet's author.
timestamp	Date (ISO 8601)	The time when the Tweet was created (UTC).
tweet_id	String	The unique identifier of this tweet.
sentiment_polarity	Float (4DP)	The emotional polarity and intensity of the tweet. The value ranges from -1 (most negative) to +1 (most positive).
text_lang_ft	String	The language of the "text" field was detected by using FastText. Two items were returned and delimited by a space. The first is a language tag (ISO 639 code) and the second is the confidence of the language.
text_normalized	String	The normalized version of the tweet.
links	String	The URLs contained in the tweet's content.
hashtag	String	Hashtags that were contained in the "text" field. Multiple hashtags were delimited by spaces.
hashtag_lang	String	The language of the "hashtag" field detected by using FastText
hashtag_en	String	The unilingual version of the "hashtag" field in English.
cashtag	String	Cashtags that were contained in the "text" field. A cashtag is a company ticker symbol preceded by the U.S. dollar sign, e.g. \$TWTR.
media	String	URLs of multimedia elements contained in the tweet, including images, videos, and GIFs.
image_url	String	URLs of images contained in the "media" column. The URL with the best resolution was extracted for each image.
video_url	String	URLs of videos contained in the "media" column. The URL with the best video resolution was extracted.
GIF_url	String	URLs of GIFs contained in the "media" column. The URL with the best resolution was extracted for each GIF.
likes	Integer	How many times this tweet has been liked by Twitter users.
retweets	Integer	The number of times the tweet has been retweeted.
replies	Integer	The number of times the tweet has been replied to.
reply_to_user	String	If the tweet is a reply to another's tweet, this field returns the user ID(s) of the original tweet's author.
mentioned_users	String	If the tweet mentioned other Twitter users, this field returns the user ID(s) of those users. Multiple Twitter handles were delimited by spaces.
tweet_source	String	The name of the application the author tweeted from.

Table S2. Columns in O2. Retweets database and their descriptions

Column	Format	Description
source	String	The user ID of the tweet's author.
target	String	The user ID of the retweeter.
timestamp	Date (ISO 8601)	The time when the retweet was created (UTC).
tweet_id	String	The unique identifier of the original tweet.

Table S3. Columns in O3. Users database and their descriptions

Column	Format	Description
user_id	String	The user ID of the tweet's author.
bio	String	The self-description of the tweet's author if the author provided one.
bio_lang	String	The language of the "bio" field (detected by using FastText).
bio_en	String	The unilingual version of the "bio" field in English.
verified	Boolean	Indicate if the user is a verified Twitter user.
political	String	If the tweet's author was recognized as a state-affiliated entity by Twitter, this field shows the political affiliation of the author.
political_lang	String	The language of the "political" field (detected by using FastText).
political_en	String	The unilingual version of the "political" field in English.
date_joined	Date (ISO 8601)	The time when the account of the tweet's author was created (UTC).
profile_image	String	The URL of the profile image of the tweet's author.
profile_banner	String	The URL of the profile banner of the tweet's author.
profile_location	String	The location specified in the profile of the tweet's author if he/she provided one.
profile_location_lang	String	The language of the "profile_location" field (detected by using FastText).
profile_location_country_en	String	The unilingual version of the "profile_location_country" field in English.
num_tweets	Integer	Number of tweets and including retweets posted by the tweet's author.
media_count	Integer	The number of tweets and retweets with media the tweet's author has posted.
followers	Integer	The number of users who follow the tweet's author.
following	Integer	The number of users the tweet's author is following.