A Retrospective dataset on Climate Strike Twitter Hashtags

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Abstract

The climate change is a worldwide catastrophe and several fatal health issue such as stroke are increasing all around the world. A global strike has started on 15 march 2019 to raise an awareness on climate change. It was an international movement started from school students who skip classes to participate in demonstration to demand from leaders to stop climate disaster. The current study documented the data sets of #climatestrike hashtags, from the twitter between 2nd April 2019 till 30th October 2020. The current dataset will helpful to determine the mobilizing information and characteristics of participants.

Keywords

Climate strike, Twitter, Hashtags, Retrospective dataset

Introduction

A catastrophic impact on human and environmental health may be caused by climate change. Higher rates of respiratory and heat-related diseases, increased prevalence of vector-borne and waterborne diseases, food and water shortages, and malnutrition are potential effects of climate change on human health (1). The increasing emergence of respiratory infections (i.e. coccidiomycosis, avian influenza) (2) and heat stress nephropathy (3) is apparently due to global warming.

Early in 2018, young children and adolescents around the world took part in demonstration activities aimed at subsidiary government action on climate change. This activism was started and led by Greta Thunberg, a Swedish teenager. The School Strike 4 Atmosphere used social media, including other contemporary protests (4). Six million people have taken to the streets over the past week, uniting across time zones, cultures and generations to demand urgent action on the escalating ecological emergency (5).

Twitter has rather evolved into a pool of constantly updating information streams consisting of links, short status updates, and eyewitness news (6). There are 330 million monthly active users and 145 million daily active users on Twitter (7). Twitter is an important medium to increase the health awareness campaign (8) and digital journalism (9). The objective of current study is to collect the data retrospectively from twitter on #climatestrike

Materials and methods

Data was collected retrospectively on a time scale between 2nd of April 2019 till 30th of October 2019. Items of data set consist of the following list

1. Hashtags
2. Name of account
3. Media data
4. Message inside the picture or video
5. Number of Likes on tweet
6. Number of Comments
7. Number of Retweets
8. Comments on related tweets
9. Time of tweet published
10. Date of tweets Published
11. Type of user account
12. Mobilizing information related to accounts
13. User city
14. User country
15. Tweet link
16. User Link
17. Followers
18. Following
19. Joining date of user

Incomplete data was excluded in the data file. The present study does not need an ethical approval as there is no participant were involved in the study and the data is publically available on twitter. All the available data are in accordance to European Commission guidelines on FAIR Data Management in Horizon 2020 (10)(11). The Checklist is provided inside the

appendix- A. The data will be useful to researchers for sentimental analysis and qualitative analysis of tweet to determine the effectiveness of campaign.

Data availability

Underlying data

Open Science Framework: A Retrospective dataset on Climate Strike Twitter Hashtags; registration DOI 10.17605/OSF.IO/EGSQY.

This project contains the following underlying data:

- Climate strike.xlsx. (The dataset.)
- Items of dataset.txt.

Data are available under the terms of the Creative Commons Zero “No rights reserved” data waiver (CC0 1.0 Public domain dedication).

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Author contributions

Muhammad Shahzad Aslam, Yun Jin Kim, Linchao Qian authored the data note, designed and carried out the research. Sana Saeed recorded the data collection.

Competing interests

No competing interest found during this study

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