

Tweet analysis for real-time event detection in climate change corpus

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Climate change has exerted detrimental impacts on human-being. Along with the increasing of people's attention on climate change, Twitter is one of the most popular platforms to release public views and opinions, could supply as informative data mining source. To reveal the influential event to public discussion on climate change, we propose a real-time algorithm to monitor tweets and detect the relevant events. Squared prediction error (SPE) and Hotelling T² are conducted to detect a target event in climate change corpus. Subsequently, an efficient modeling technique are developed for climate change event detection in Twitter. Through this process the discussion of specific climate change events occurring period can be explored.

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