Analysis of Public's Concerns on Covid-19 Using Twitter Posts

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Covid-19 or the novel Coronavirus is a highly contagious disease, which has swept across the world as a pandemic. It has a high impact on the public's psychology. In this work, we primarily developed an application in order to examine the state-level public's concerns about Covid-19 by collecting and analyzing tweets related to Covid-19. The objective of this study is to quantify the emotional and psychological changes of people during the pandemic. We used popular methods of text sentiment and emotion analysis to track the impact of Covid-19 on people over time from starting of the pandemic to the current date. The results could be useful for government officials for mitigating and analyzing policy impacts as well as medical professionals to better understand the public's concerns.

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