Contact Tracing Of Covid-19 Patients Using Tweets

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Abstract

COVID-19 has had an impact on everyone's lives. In recent years, In the field of healthcare, the use of social media as a tool for professional education & communication has expanded; The benefits and drawbacks of these networks have been widely discussed with different results. During COVID-19 disease outbreak usage of social media has exploded to the point where it has become an essential part of modern healthcare systems. It is simple and innovative to create content for Twitter and other social media sites. Such data has become strategically relevant for companies seeking input on their products, brand endorsements, and merchandising, among other things. People have started to have mixed feelings about the situation due to the rapid rise in infection and death rate. Contact with an infectious person who sneezes or speaks less than one meter away can spread COVID-19. Keeping a safe distance from people who have Covid 19 is one way to avoid transmission. The problem is that many sufferers do not exhibit any symptoms, which means that people must be more aware of those they come into contact with physically.

Social networking divides people into various groups, such as rural areas or residential subdivisions. Because it's most generally connected with the internet, communication can also take place in person, which is a little-known reality; this provides the idea that we spend a substantial amount of time in front of computers. Today's youth are becoming more reliant on their cell phones and social media sites to stay 'up to date. Social networking is one of the media that can be used to socialize. One of the most widely used media for disseminating information about the Covid-19 case, as well as appeals to stay at home and maintain a healthy distance in order to avoid contracting the coronavirus, is Twitter. Despite the fact that socialization has taken place, many people remain dissatisfied with the government's initiative, making it difficult to control the spread of Covid-19. As a result, it’s necessary to compare the answer to the stay-at-home campaign with the spread of Covid-19.

Due to the void-19 pandemic, the biggest problem that the government is facing is identifying the first contacts of the covid-19 patients. Most of the people are avoiding telling the truth for the government. But people use social media day to day life. Most of the people post/ share their life experience. This is a common way for Twitter users to explain their day to day disease development after the first set of symptoms. This pattern may have gained traction when celebrities began to tweet about their symptoms.

Declaration

I hereby declare that this thesis represents my own work which has been done after registration for the masters of science in information technology (M.Sc. in IT) at Sri Lankan Institute of Information Technology (SLIIT), and has not been previously included in a thesis or dissertation submitted to this or any other institution for a degree, diploma or other qualifications.

I have attempted to identify all the risks related to this research that may arise in conducting this research, obtained the relevant ethical and/or safety approval (where applicable), and acknowledged my obligations and the rights of the participants.

Signature:

Date:

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