

Visualisation System of COVID-19 Data in Malaysia

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ABSTRACT

Pandemics are highly unlikely events, therefore, we need a system to understand the statistics about the pandemic. Machine learning algorithms can analyse the data and then we can plan for handling the pandemic. To date, many people are suffering because of the lack of reliable information system. The problem is that there is no integrated system to use the data and plan for pandemic management to minimise social panic. This study aims to provide a system, using COVID-19 data as a sample to visualise and analyse cases, deaths, discharged ICU cases updates in Malaysia as a whole state wise of COVID-19 daily statistics. The results provide visualisation and case comparison among states in Malaysia to easily and quickly understand the situation. This will help and assist the management in decision-making.

Keywords: COVID-19, Decision support system, Disaster management, Panic, Pandemic

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INTRODUCTION

The Coronavirus outbreak which began in Wuhan, China, in December, has expanded to every corner of the globe. Millions of people around the world have been sickened and died. With the pandemic affecting worldwide, it is crucial to look at the numbers to counter the outbreak. World Health Organization states that Coronavirus (COVID-19) is contagious caused by coronavirus (World Health Organization, 2020). This viral disease is caused by a recently discovered coronavirus mutation; SARS-CoV-2; a disease that causes respiratory infections in humans. This virus was brought to our attention through cases reported from Wuhan, China in December 2019. The earliest case of COVID-19 in Malaysia was reported on 24 January 2020.

COVID-19 virus is spread by droplets in a short distance and settles on surfaces when an infected person