National Taipei University of Technology

Computer Science and Information Engineering

Principles and Applications of Data Science

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Semester Group Project Proposal

Comparative Analysis of COVID -19

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Introduction:

Motivation is Coronaviruses (CoV) are a large family of viruses that cause illness ranging from the common cold to more severe diseases such as  SARS.

The World Health Organization has declared the novel coronavirus outbreak a public health emergency, it has increased the general fear among the public. A lot of countires have heightened their measures to fight with this virus with the condition in China still senitive..More than 20 countries and territories outside of mainland China have confirmed cases of the virus -- spanning Asia, Europe, North America and the Middle East -- as India, Italy and the Philippines reported their first cases.

Objectives is analyze the similarities and differences between COVID-19 and other virus.

In addition, there are further Key Scientific Questions about COVID-19 at <https://www.kaggle.com/covid-19-contributions> such as viral shedding in stool, blood and Persistence and stability on various substrates, We are very interested in these and look forward to finding answers.

Project Plan and Deadlines:

Gather information from different data set, exploratory analysis issues for COVID-19 such as Incubation period.

Resources:

novel corona virus 2019 Dataset <https://www.kaggle.com/sudalairajkumar/novel-corona-virus-2019-dataset>

SARS 2003 Outbreak Complete Dataset

<https://www.kaggle.com/imdevskp/sars-outbreak-2003-complete-dataset>

Methodology and tools will be used:

Expected Results is comparing with other viruses and visualize them, by contrasting chart presentation

Timeline: