CoronaTracker: A framework for managing and tracking data during crisis

by Dr. Cher Han Lau

Abstract: COVID-19 outbreak, first reported in Wuhan, China and has since spreaded to more than 50 countries. Naturally, a fast spreading infectious disease endangers the health of large numbers of people, and thus requires immediate actions to prevent the disease at the community level. Therefore, CoronaTracker was born as the online platform that provides latest and reliable news development, as well as statistics and analysis on COVID-19. This presentation will look at CoronaTracker as an implementation of a framework that aims collect data, to predict and forecast COVID- 19 cases, deaths, and recoveries through predictive modelling. Such framework will help us in early disease prevention in future, helps to interpret patterns of public sentiment on disseminating related health information, and assess political and economic influence of any crisis.

Biography: Dr. Lau, Founder of LEAD and CoronaTracker. He is a chief data scientist, keynote speaker and consultant in data science, machine learning and big data. His work involves major companies, organizations, and government agencies across Australia, Malaysia, Taiwan and other ASEAN countries. He has trained and advised many of the organizations including Standard Chartered, OCBC, Intel, HP Enterprise and Jabil. Dr. Lau has also been invited as a keynote speaker in many of the industry data science and big data events, such as Microsoft Azure Global Bootcamp, and Facebook Developers Circles.