

Data Science and Machine Learning Seminar Series

Tuesday 3rd November 2020 6:00pm KT216

Virtual Presentation: <https://purdue.webex.com/meet/aselvite>

Prof. Daniel Coombs

Department of Mathematics and Institute of Applied Mathematics
University of British Columbia



Real-time modelling during the COVID-19 epidemic

The global pandemic has led to unprecedented interest in using mathematical modelling to understand the dynamics of disease spread, and assess the impact of public health interventions. I will talk about how different kinds of models have been used to build an understanding of the epidemic as it has progressed. I will especially point out some important areas where our knowledge is still limited - such as the point of onset of "herd immunity", the impact of reopening schools, and the possible effectiveness of vaccination campaigns.