

Speakers: Anna Daupare (University of Bath)

Date: 14/11/2023 at 13:15 in 1 West 2.03

Title: Application of neural networks in predicting human population dynamics

Abstract:

Human population dynamics are influenced by an array of interconnected factors, including wealth, population abundance, fertility, mortality, and net migration. I propose the application of neural networks (NN) to model and predict human population dynamics by leveraging these vital rates as input features. With the help of NN, I am studying whether the chosen model is appropriate for predicting human population dynamics and which additional features can be incorporated to make more accurate predictions.