

Recent Advances in Computational Demography: Applications to Migration Research and to Prediction of Demographic Outcomes

This talk addresses three main interrelated topics: (i) it provides an introduction to the research that is being done in the Department of Digital and Computational Demography at the Max Planck Institute for Demographic Research (MPIDR); (ii) it presents recent results and advances from signature projects on measuring and modeling migration, including high-skilled migration; (iii) it discusses emerging and ongoing projects that leverage machine learning and AI methods to model and predict demographic outcomes and life course sequences. A key underlying goal is to plant further seeds for collaboration and exchange between the population research communities in Hong Kong and at MPIDR.