



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON STATISTICS

Does AI help humans make better decisions?

By

Prof. Zhichao JIANG

Sun Yat-sen University

Abstract

The widespread integration of Artificial Intelligence (AI) driven algorithms into various aspects of modern society raises fundamental questions about their impact on decision-making processes. This talk addresses a crucial inquiry: does the integration of AI enhance human decision-making compared to human or AI alone? I will introduce a causal inference framework to evaluate three distinct decision-making paradigms: human-alone, human-with-AI, and AI-alone systems. Utilizing standard classification metrics based on potential outcomes, the evaluation will scrutinize both the prediction accuracy and the fairness of these systems. Furthermore, I will explore strategies to enhance decision-making within the human-with-AI framework, aiming for improved outcomes and effectiveness.

Date : 15 November 2024 (Friday)

Time : 2:00p.m.-3:00p.m.

Venue : Room 4504 (Lift 25/26)

All are Welcome!