

NCCU Psychology Data analyses workshop

Date: 29 Aug 2024
(Thursday)
Venue: 果夫樓 101

Exploring Psychometrics: From Latent Factors to Network Analyses

Time: 14:10 - 16:00

Speaker: Dr. Dwight Tse

(Senior Lecturer, University of Strathclyde)

This introductory workshop will focus on the theory and practice of latent factor and psychometric network analyses, the two approaches with increasing popularity in the field. It will cover the fundamental concepts of latent factor and psychometric models, as well as provide practices on skills that are necessary to carry out independent data analyses. Attendees will learn how to create, analyze, and interpret factor models with latent factors (e.g., psychological construct) and manifest indicators (e.g., scale items) as well as psychometric networks where nodes represent psychological variables (e.g., response items) and edges represent relationships between them. Attendees will gain basic proficiency using R for factor and network analysis. After completing this workshop, participants will be equipped with basic understanding of these psychometrics approaches and the essential skills to apply them in research and practice.

Attendees are expected to have a basic understanding of R and R Studio, including, but not limited to, opening and executing data files and R codes, as well as performing basic data manipulation and analyses.

*Participants are strongly encouraged to bring a laptop with the latest version of R and R studio installed.



Dr. Dwight Tse

Dwight Tse is a Senior Lecturer (Associate Professor) at the Department of Psychological Sciences and Health at the University of Strathclyde, Glasgow, Scotland. He is also a founding supervisor of the Strathclyde Centre for Doctoral Training: Energy-efficient Indoor Climate Control for Optimised Health and serves as an Associate Editor of the Journal of Happiness Studies.

His research interests include topics ranging from positive psychology and well-being science to aging and lifespan developmental psychology, using diverse methods such as experience sampling studies and secondary data analyses. His recent research projects, funded by agencies in various countries, examine the psychometric properties of personality and well-being scales across cultures, as well as the impact of climate change on older adults' physical and mental health.



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*Light refreshments will be served

Research Insights Forum in Psychology

Time: 16:10 - 17:30

In this forum, faculty members and students come together to share their latest research ideas and insights. This informal and interactive gathering offers a unique opportunity to explore diverse topics and engage in stimulating discussions, with the goal of co-creating preliminary research directions for future collaborations.

Moderator: Dr. Gary Ting Tat Ng

All NCCU staff and students are welcome!