Preliminary Agenda

Date: Thursday, August 17, 2023

Time: 1:00 pm – 5:00 pm

Time	**Content**
Part A: Introduction	
1:00 pm	Introduction to Latent Variable Modeling
1:15 pm	Introduction to Confirmatory Factor Analysis
1:25 pm	Introduction to Latent Class Analysis
1:35 pm	Introduction to Factor Mixture Model
1:50 pm	Break; Q&A
Part B: Basics and Application	
2:00 pm	Assumptions of Factor Mixture Model
2:10 pm	Important Work on Factor Mixture Model
2:20 pm	Advantages of Factor Mixture Model
2:30 pm	Application of Factor Mixture Model in Social Sciences
2:45 pm	Software Programs
2:50 pm	Break; Q&A
Part C: Steps and Strategies	
3:00 pm	Procedures to Establish Factor Mixture Models
3:35 pm	Comparison Strategy for Factor Mixture Models
3:50 pm	Break; Q&A
Part D: Step-By-Step Demonstration	
4:00 pm	Description of the Problem Example
4:05 pm	Specification of Models in M*plus*
4:15 pm	Evaluation and Visualization of Model Fit
4:25 pm	Interpretation of Model Results
4:35 pm	Inferences and Conclusions
4:45 pm	Q&A

Presenter Qualifications

Lujie Peng is a doctoral candidate in the University of Maryland School of Social Work. He earned his Master of Social Work from Nanjing University in 2016. Lujie's scholarly interest focuses on public attitudes towards government responsibility for social welfare (welfare attitudes) with special attention to underrepresented and underserved populations. His research addresses both the longitudinal changes of Americans' welfare attitudes and the improvement of the conceptualization, operationalization, and measurement of welfare attitudes based on nationally representative social surveys.

Lujie's research agenda was originally informed by his academic experiences examining the extension of Esping-Andersen's classification of the three worlds of welfare capitalism to the East Asian context. He is passionately interested in advanced statistical methods, such as multi-level modelling, structural equation modelling, and Bayesian statistics. Lujie's methodological expertise mainly features psychometrics especially latent variable modeling, such as factor analysis, item response theory, latent class/profile analysis, and measurement invariance.

Lujie is currently planning to develop an American Welfare Attitudes Scale (AWAS), based on a multidimensional computerized adaptive testing design. He is also a Standing Committee Member of the Diversity, Equity, and Inclusion Committee of the University of Maryland School of Social Work. Lujie expects to obtain his PhD in Social Work in May 2023.