



Department of Psychology
The University of Hong Kong

香港大學心理學系

Departmental Seminar

Advancing Beyond Basic Meta-Analysis: Research Opportunities, Applications, and Limitations

4:00 p.m. – 5:00 p.m. | December 20, 2024 (Friday)

Function Room, 11/F, The Jockey Club Tower | Centennial Campus | The University of Hong Kong



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Abstract

Meta-analysis has become the de facto standard for integrating research findings in various fields, including psychology, management, and medical science. While most researchers are proficient in fundamental meta-analytic techniques such as calculating effect sizes, conducting analyses, and interpreting results, these skills often fall short when addressing complex data and intricate research questions involving heterogeneity, multiple effect sizes, mediation, and moderation. This presentation introduces advanced topics in meta-analysis, such as nonlinear and location-scale models, multivariate meta-analysis, robust variance estimation, and meta-analytic structural equation modeling. Additionally, we will provide examples to demonstrate how these advanced techniques can be effectively applied to address complex research problems and discuss the limitations of these techniques.

About the Speaker

Professor Mike Cheung received his Ph.D. in Psychology from The Chinese University of Hong Kong. He is a Full Professor in the Department of Psychology at the National University of Singapore. His research focuses on quantitative methods, with a particular emphasis on meta-analysis and structural equation modeling. Professor Cheung has an extensive publication record, with over 90 articles in international journals and one book titled "Meta-Analysis: A Structural Equation Modeling Approach." In addition to his scholarly contributions, he serves as an Associate Editor for *Research Synthesis Methods* and *Neuropsychology Review*. He is also a member of the editorial boards of several journals, including *Psychological Bulletin*, *Health Psychology Review*, and *Methods in Psychology*. For more information, please visit his profile at <https://mikewlcheung.github.io>

Zoom Meeting (For participants who couldn't attend the Seminar in person)

<https://hku.zoom.us/j/6985555998?pwd=V05yTGJWNTIzazd2OFZ0Q3FRReHVkdz09>

Meeting ID: 698 555 5998 | Password: Psyc

~All are Welcome~

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