

Presenter:

Kevin B. Lowe, Professor of Management and Fletcher Building Education Trust Chair in Leadership, Graduate School of Management, University of Auckland

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Title: **Meta-Analysis: A Practical Introduction to Best Practices with Hands-On Practice**

Abstract: This session synthesizes from many resources to provide a practical introduction to conducting meta-analysis and interpreting meta-analytic results. Designed to cover the basics the session focus is on often-overlooked issues in meta-analytic searching, judgment calls, analyses, and reporting. Attendees will be given a brief overview of software packages (and syntax) available for conducting meta-analysis. The session will culminate in a hands task where participants will code a primary study. Participants will compare and contrast their coding results to gain insight into the role of judgment calls in meta-analytic results. Questions will be welcomed throughout the session.

Target audience. Scholars who want to understand how to conduct a meta-analysis and the related judgment calls. Practitioners who want to understand the utility of meta-analysis for informing evidence based practice and who wish to be able to evaluate the quality of meta-analytic findings.

What attendees will gain from attending this workshop. 1) Ability to identify research questions appropriate for meta-analysis; 2) Identify state of the art strategies for conducting meta-analytic literature searches, best practices in judgement calls and data storage practices; 3) Awareness of various meta-analytic software packages and the relative benefits and trade-offs between package costs and package features; 4) Hands-on practice coding studies for meta-analysis

Requested Workshop Length. First preference: Half-day (3 hours content plus a 20 minute break). Second preference: 90 minutes.

Rationale for requested length. This session includes both a content section and a hands-on practice section. In the hands on section workshop participants will code a primary study for inclusion in a meta-analysis. The process of explaining the coding task to participants, allowing participants time to code the study individually, to then compare their results with other participants in small groups, followed by the presenters sharing best practice results and judgment calls in coding will take approximately 60 minutes. The content portion of the session must necessarily be completed prior to the hands-on task and will take approximately 90 minutes. Allowing for a twenty (20) minute break/transition from content section to hands on section and twenty minutes for open questions at the end of the session completes the 200 minutes.

Session can be reduced to 90 minutes by retaining the content portion while removing the hands on portion.

Session scale. The session size is easily scalable. Is acceptable to run with small attendance (e.g. 5-10) but the workshop is easy to scale as the only requirements are slide handouts and a journal article(s) for hands on coding. So could handle up to one hundred (100) participants in terms of the basics. An ideal attendance would be 30-50 participants as the size would be small enough that the presenter(s) could connect with each small group during the coding comparison period. This is not an essential size but is rather an optimal size.

Costs or financial liabilities for this workshop, such as handouts, books, or organizer fees? We would want to hand out copies of our slides (two to a page) to participants as well as a single journal article (14 pages in length) to the participants. Assuming copy costs of 10 cents per page this would result

in approximately \$5 per participant. No books or technologies (e.g. computers) are required for participants in this session. The presenter can use laptops already in the room or use their own laptop to project the slides for participants.

Budget: Assuming 40 participants @ \$5 each = \$200 for photocopying. Cost of copying can be borne by the presenter or provided by conference if a budget for session support is available.

Presenter Biography

Professor Kevin B. Lowe is the Fletcher Building Employee Education Trust Chair in Leadership in the Business School at the University of Auckland where he also serves as Director of the Graduate School of Management. Professor Lowe has published his work in a number of leading journals including the *Academy of Management Journal*, *The Leadership Quarterly*, and the *Journal of International Business Studies*. His most highly cited manuscripts include meta-analyses of the transformational leadership literature (1996; 2002) with the former receiving the Best Paper Award from *The Leadership Quarterly*. Professor Lowe has published a number of meta-analysis, literature reviews, and is currently preparing meta-analyses in the healthcare and leadership domains for journal submission. He also has an in-press chapter on conducting meta-analysis in the forthcoming *Handbook of Research Methods on Diversity Management, Equality and Inclusion at Work*.

Recognized for his expertise in meta-analysis Professor Lowe has given workshops on meta-analysis at multiple conferences around the world including the Australian Industrial Organizational Psychology conference (Melbourne), the International Leadership Association (Barcelona), and the Global Information Technology Management Association (Kuala Lumpur).

Ms. Shiva Nami is a research assistant at the University of Auckland. She has previously presented on meta-analysis at the Australian Industrial Organizational Psychology conference (Melbourne) and has co-authored two meta-analyses presented at the 2016 Annual Meetings of the Southern Management Association.