

AGENDA

SWARM Workshop in Meta-Analysis, June 2017

Instructor: Hannah R. Rothstein

Day 1

- 9:00 -10:30 Introduction to Systematic Reviews and Meta-Analysis
- 10:30-10:45 Break
- 10:45-12 Components of a Systematic Review: Problem Formulation and Information Retrieval
- 12:00-13:00 Lunch Break
- 13:00-14:30 Components of a Systematic Review: Information Retrieval Continued; Critical Appraisal and Data Extraction
- 14:30-14:45 Break
- 15:00-17:00 Critical Appraisal and Data Extraction Continued; Effect Sizes

Day 2

- 9:00 -10:30 Basic Computations; Fixed and Random Effects Models
- 10:30-10:45 Break
- 10:45-12 Heterogeneity
- 12:00-13:00 Lunch Break
- 13:00-14:30 Indices of Heterogeneity
- 14:30-14:45 Break
- 15:00-17:00 Psychometric Meta-Analysis

Day 3

- 9:00 -10:30 Basics of Subgroup Analysis
- 10:30-10:45 Break
- 10:45-12 Basics of Metaregression
- 12:00-13:00 Lunch Break
- 13:00-14:30 Publication Bias
- 14:30-14:45 Break
- 15:00-17:00 Common Mistakes, Final Exercise and Wrap Up

Recommended Reading

1. *Borenstein M, Hedges LV, Higgins JPT and Rothstein HR (2009) *Introduction to Meta-Analysis*. Wiley: Chichester, UK.
2. Card, NA (2011). *Applied Meta-Analysis for Social Science Research*. Guilford: NY, NY.
3. *Cooper, HM (2016). *Research Synthesis and Meta-analysis: A step by step approach*. Sage: Thousand Oaks, CA, USA.
4. Cooper HM & Hedges LV (2009). *The Handbook of Research Synthesis and Meta-Analysis*; Russell Sage: New York, NY.
5. Higgins JPT & Green S (2009). *The Cochrane Handbook of Systematic Reviews of Interventions*. Wiley: Chichester, UK.
6. Hunter JE & Schmidt FL (2014). *Methods of Meta-Analysis: Correcting Error and Bias in Research Findings* (3rd Edition). Sage: Thousand Oaks, CA: USA.