

Meta-Analysis for Policy Economists

Practical Tools for Synthesizing Research

Instructor: Tomas Havranek | Tillväxtanalys, Stockholm, August 28–29, 2025

Day 1: Data, Basic Tools, and Bias (Thursday, August 28)

- 09:00–10:00** Why Meta-Analysis for Policy? + Applied Examples (Sections 1 & 2)
- 10:00–10:10** (Coffee Break)
- 10:10–11:00** Literature Search and Screening (Section 3)
- 11:00–11:10** (Coffee Break)
- 11:10–12:00** Data Collection and AI Infrastructure (Section 4)
Hands-On: Data Cleaning and Outlier Handling in Stata
- 12:00–13:00** (Lunch)
- 13:00–14:00** Conventional Tools: Fixed, Random, Visuals (Section 5)
Hands-On: Forest Plots, Box Plots, UWLS in Stata
- 14:00–14:10** (Coffee Break)
- 14:10–15:00** Publication Bias (Section 6)
Funnel Plots, FAT-PET, PEESE, WAAP, EK in Stata
- 15:00–15:10** (Coffee Break)
- 15:10–16:00** *Hands-On: Bias-Corrected Estimates in Stata (perhaps continued on Friday)*

Day 2: P-Hacking, Heterogeneity, and Extensions (Friday, August 29)

- 09:00–09:15** Recap of Day 1 and Overview of Day 2
- 09:15–10:00** P-Hacking and Selective Reporting (Section 7)
Theory, MAIVE and RTMA
- 10:00–10:10** (Coffee Break)
- 10:10–10:30** *Hands-On: MAIVE in Stata, RTMA in R*
- 10:30–11:00** Heterogeneity and Moderator Analysis (Section 8a)
- 11:00–11:10** (Coffee Break)
- 11:10–12:00** Heterogeneity continued (Section 8b)
Hands-On: Subsamples, Best Practices, Implied Effects in Stata
- 12:00–13:00** (Lunch)
- 13:00–14:00** *Hands-On: Bayesian Model Averaging in R*
Interpreting Results, PIPs, Posterior Effects
- 14:00–14:10** (Coffee Break)
- 14:10–15:00** Extensions and Limitations (Section 9)
Attenuation Bias, Meaningless Means
- 15:00–15:10** (Coffee Break)
- 15:10–16:00** Final Wrap-Up, Takeaways, and Q&A (Section 10)