

Meta-Analysis (BE9061C)

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Time & Place: Tuesday 11-1, Thursday 11-12, MSB E602

Text: None required (but see Blackboard for recommendations)

Evaluation: 90% of grade based on final project. Conduct and report a small meta-analysis on a topic of your choosing but subject to my approval. 80% of grade will be based on completeness of reporting (inclusion of points to be presented in class), 10% will be on discussion of general conceptual issues in meta-analysis. Attendance counts for 10%

Course Outline:

History of Meta-Analysis

Criticisms of Meta-Analysis

Searching and Evaluating the Literature

Computation of Effect Sizes

Pooling Effect Sizes

I: Fixed effect

II: Random effects

III: Bayesian

Sensitivity to Publication Bias

Meta-Regression

Control Rate Meta-Regression

Network Meta-Analysis

Individual Patient Data (IPD) Meta-Analysis

Special Issues

Dependent effect sizes

Diagnostic Tests