Meta-analysis Workshop Budapest December 2016

Agenda

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| Time | Item |
| 10:00-10:30 | Introduction to meta-analysis and CMA software* Download data
* Open CMA
* Review meta-analysis objectives
* Flow chart & coding studies
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| 10:30-11:00 | Common effect sizesCMA data input & conversions exerciseDependent data |
| 11:00 – 11:10 | Break |
| 11:10 – 12:00 | Fixed-effects vs. random-effectsWeighted averagesStandard errorsCMA exercise – find the overall mean  |
| 12:00 – 12:10 | Break |
| 12:10 -13:00 | Heterogeneity* Q (homogeneity test)
* Random-effects variance component (REVC)
* Random-effects weights
* I-squared
* Prediction intervals

CMA heterogeneity exercise |
| 13:00 – 14:00  | Lunch |
| 14:00 – 14:30 | Graphs* Forest plot
* Funnel plot
* Trim & fill

CMA exercise computing forest and funnel plots |
| 14:30 – 15:30 | Moderators* Problems with significance tests
* Categorical moderators
* Continuous moderators

CMA exercise computing moderator tests |
| 15:30-15:45 | Break |
| 15:45 - 16:30 | Sensitivity analysis (with exercise) |
| 16:30 – 17:15 | Second data set – apply knowledge to new problem |