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 |
| 10:30-11:00 | Common effect sizes  CMA data input & conversions exercise  Dependent data |
| 11:00 – 11:10 | Break |
| 11:10 – 12:00 | Fixed-effects vs. random-effects  Weighted averages  Standard errors  CMA 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 |