

How to perform a meta-analysis?

Decisions about the utility of an intervention or the validity of a hypothesis cannot be based on the results of a single study, because results typically vary from one study to the other. Meta-analysis is a statistical procedure for pooling data from multiple studies into one powerful study. The results of the meta-analysis are highly publishable and have citation rates as they can be used to drive policy and practice.

Dr. Soomro has published several meta-analyses in the field of sports science and will be teaching the fundamentals of conducting a high quality meta-analysis.

Learning activities

- Read and interpret meta-analysis
- Forest plots and Publication bias
- Study selection for meta-analysis
- Hands on practice to learn meta-analysis software

Time required = 3 hours

Equipment required = Individual Laptop

Software required = CMA v3 (working evaluation copy is fine)

Pre-reading material = provided

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