

Combining and Comparing Results from Multiple Studies

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Combining results from multiple studies can produce more accurate effect size estimates and greater external validity. Combining results from multiple studies can reveal theoretically interesting moderator variables. The traditional statistical methods for comparing and combining results from multi-study designs have serious limitations and can produce misleading results. An alternative set of statistical methods are now available that do not require unrealistic assumptions. These new methods are especially useful in replication and replication-extension designs. The new multi-study statistical methods are briefly reviewed and examples of several replication and replication-extension designs are discussed.