

## STATISTICAL METHODS IN META-ANALYSIS. II: REGRESSION MODELS

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- **ABSTRACT:** *Meta-analysis is a statistical method for combining the results from different studies in a synthesis measure. In a previous article, we describe some aspects of the meta-analysis, as the measures of effect and the measures of heterogeneity among the studies. In the present article, we discuss the utility of regression models in meta-analysis. We describe the regression models in a classical and Bayesian context. We used a set of articles of a systematic review from the medical literature to describe the use of these regression models.*
- **KEYWORDS:** *Meta-analysis; regression models; clinical trials; parameter estimation; statistics in medicine.*

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