# Educational psychology in latin america: with linear hierarchical models

Jesús Silva; Darwin Solano; Claudia Fernández; Ligia Romero;
Nataly Orellano Llinás; Ana María Negrete Sepúlveda;
Luz Estela León Coronado; Rosio Barrios González

## Abstract

Research in clinical psychology, since its inception, has been aimed at analyzing, predicting and explaining the effect of treatments, by studying the change of patients in the course of them. To study the effects of therapy, research based on quantitative analysis models has historically used classical methods of parametric statistics, such as Pearson correlations, least squares regressions Student's T-Tests and Variance Analysis (ANOVA). Hierarchical linear models (HLMs) represent a fundamental statistical strategy for research in psychotherapy, as they allow to overcome dependence on the observations usually presented in your data. The objective of this work is to present a guide to understanding, applying and reporting HLMs to study the effects of psychotherapy.