A comprehensive history of regression discontinuity designs: An empirical survey of the last 60 years

JOURNAL OF ECONOMIC SURVEYS
DOI:
https://doi.org/10.1111/joes.12461
Publicado:
Jueves, 2 Septiembre 2021
Authors:
Mauricio Villamizar-Villegas,
Freddy A. Pinzón-Puerto,
Maria Alejandra Ruiz-Sanchez
Palabras clave:
empirical survey, fuzzy and sharpe designs, regression discontinuity design
Descargar documento

Lo más reciente

Settlement liquidity in the Colombian large-value payment system: the role of reserve requirements
Fredy Gamboa-Estrada, Freddy Cepeda-López, Javier Iván Miguélez-Márquez
Geopolitical risk and emerging market sovereign risk premia
Fredy Gamboa-Estrada, José Vicente Romero
Assessing the effects of recent provisioning rules on consumer credit allocation in Colombia
Fredy Gamboa-Estrada, Diego Cuesta, Camilo Sanchez-Quinto
Otras Publicaciones

In this paper we detail the entire Regression Discontinuity Design (RDD) history, including its origins in the 1960s, and its two main waves of formalization in the 1970s and 2000s, both of which are rarely acknowledged in the literature. Also, we dissect the empirical work into fuzzy and sharp designs and provide some intuition as to why some rule-based criteria produce imperfect compliance. Finally, we break the literature down by economic field, highlighting the main outcomes, treatments, and running variables. Overall, we see some topics in economics gaining importance through time, like the cases of health, finance, crime, environment, and political economy. In particular, we highlight applications in finance as the most novel. Nonetheless, we recognize that the field of education stands out as the uncontested RDD champion through time, with the greatest number of empirical applications.