# NICOLÁS RONDEROS PULIDO, PhD

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## EDUCATION

**Pontificia Universidad Javeriana**
*B.A. in Economics (2009–2014)*
*M.A. in Economics (2014–2016)*
*PhD in Economics (2019–2024)*

## ACADEMIC AND PROFESIONAL EXPERIENCE

**Colegio de Estudios Superiores de Administración (CESA -2015 – Currently)**
*Adjunct Professor. Undergraduate courses in Macroeconomics and Introduction to Economics.*

**EViews (2013 – Currently)**
*Econometric Add-in Developer. Design and programming of advanced statistical and econometric routines at the research frontier.*

**Universidad Santo Tomás (2017 -2026)**
*Teaching and Research Faculty. Courses taught at undergraduate and graduate levels: Econometrics I & II, Financial Econometrics, Statistics, Economic Outlook, Macroeconomics, Advanced Microeconomics, and Introduction to Economics. Faculty Research Leader and Coordinator of the Student Research Journal.*

**Pontificia Universidad Javeriana (2016 – Currently)**
*Adjunct Professor. Courses in Time Series Analysis, Probability, Statistics and Introduction to Economics at undergraduate, master's, and doctoral levels.*

**Econometría Consultores (2015 – 2017)**
*Economic Analyst. Development of macroeconomic forecasts and consulting on a wide range of economic issues.*

**CERAC (2014)**
*Research Assistant.*

**BBVA Research (2013)**
*Intern. BBVA Research Colombia, Economic Research Department.*

**Independent Consultant (2013 – Currently)**
**Development of consulting projects for public and private institutions.**

# PUBLICATIONS AND COMPLETED WORKS

i. Martínez, C. I. P., Poveda, A. C., & Ronderos, N. (2019). *An Analysis for New Institutionality in Science, Technology and Innovation in Colombia Using a Structural Vector Autoregression Model*. European Research Studies, 22(2), 218-228.

ii. Poveda, A. C., Carvajal, J. E. M., & Pulido, N. R. (2019). *Relations between economic development, violence and corruption: A nonparametric approach with DEA and data panel.* Heliyon, 5(4), e01496

iii. Quintero, J., Ronderos Pulido, N., Logan, J., Ant, T., Bruce, J., & Carrasquilla, G. (2020). *Effectiveness of an intervention for Aedes aegypti control scaled-up under an inter-sectoral approach in a Colombian city hyper-endemic for dengue virus.* Plos one, 15(4), e0230486.

iv. Ronderos, N & Suárez, J (2013). "*Tasa de interés natural en Colombia*". Observatorio económico. BBVA Research.

v. Ronderos, N. (2013). "*Group X12*" Software certificado. DNDA. EViews Add-in.

vi. Ronderos, N. (2013). "*Periodogram*" Software certificado. DNDA. EViews Add-in.

vii. Ronderos, N. (2014). "*Spectral Analysis*" Software certificado. DNDA. EViews Add-in.

viii. Ronderos, N. (2015). "*STAR models*" Software certificado. DNDA. EViews Add-in.

ix. Ronderos, N. R. (2016). *Una visión unificada del contagio en mercados financieros: un enfoque causal en el dominio de la frecuencia* (No. 015127). Universidad Javeriana-Bogotá.

x. Ronderos, N. (2017). "*HEGY seasonal unit root test*" Software certificado. DNDA. EViews Add-in.

xi. Ronderos, N. (2018). *Variaciones previsibles del ingreso y su efecto sobre el consumo. Un análisis para la economía colombiana. Revista CIFE: Lecturas de Economía Social*, 20(33), 17-37.

xii. Ronderos, N. (2018). "*Spectral Granger Causality*" Software certificado. DNDA. EViews Add-in.

xiii. Ronderos, N. (2019). "*MGARCH tests*" Software certificado. DNDA. EViews Add-in.

xiv. Ronderos, N. (2020) "*Canova Hansen Tests*" Software certificado. DNDA. EViews Add-in.

xv. Ronderos, N. (2022) "*Cross spectral analysis*" Software certificado. DNDA. EViews Add-in.

xvi. Ronderos, N. (2023) "*Non-invertible MA(q) simulator*" Software certificado. DNDA. EViews Add-in.

xvii. Ronderos, N. (2023). *Modified Instruments: An Iterative Process for Reducing Endogeneity Bias Using Large Samples* (No. 020049). Universidad Javeriana-Bogotá.

xviii. Ronderos, N., Poveda, A. C., & Carvajal, J. E. M. (2020). *Corruption and institutions: An analysis for the Colombian case*. Heliyon, 6(9), e04874.

xix. Sandoval, S., & Ronderos, N (2017). *Alertas tempranas de burbujas de precios: una aplicación al mercado accionario colombiano*.

## WORKING PAPERS

i. Ronderos, N. (2023). *Estructura demográfica y su dependencia en los efectos de los choques estructurales del precio del petróleo: una estimación para la Unión Europea* Universidad Javeriana-Bogotá.

ii. Ronderos, N. (2023). *La influencia de la economía subterránea sobre el crecimiento económico: una relación a través del mercado laboral informal y el mercado de la cocaína en Colombia*. Universidad Javeriana-Bogotá.

iii. Salamanca, O. & Ronderos, N. (2024) "*The Link between Oil Production and Sexually Transmitted Diseases: The Mediating Role of Prostitution in Colombia*"

iv. Ronderos, N (2025) "*Fragmentation of Educational Trajectories among Rural Youth: An Aggregate Approach in Times of COVID-19*"

v. Torres, E & Ronderos, N. (2021*) "Las trampas de pobreza en Colombia, un enfoque marcoeconomico*"

## SOFTWARE SKILLS

Eviews, STATA, Jmulti, Gretl, R, Python, html, RATS, Excel, Word, Lyx and Latex.

## LANGUAGES

English Level: C1.
Spanish: native.