

# Lucas W. Hahn De Castro

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[Central Bank of Colombia](#), [Google Scholar](#), [LinkedIn](#)

CLL 27 # 20 – 37 CARTAGENA, COLOMBIA

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## EDUCATION

COLUMBIA UNIVERSITY: MA in Statistics.

*New York City, NY  
2019*

Relevant coursework: Modern analysis, Statistical computing, Bayesian and Nonparametric statistics.

UNIVERSIDAD DE LOS ANDES: BA in Economics.

*Bogotá, Colombia*

Relevant coursework: Graduate courses in Microeconomics, Macroeconomics and Econometrics.

*2013*

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## PROFESSIONAL EXPERIENCE

BANCO DE LA REPÚBLICA (Central Bank of Colombia): Research assistant in Economics.

*Cartagena, Colombia  
2014 – Present*

As a member of a research team in regional economics, I have worked in several research projects on topics such as education, regional input-output analysis and economic development. My contributions to these projects usually consisted on revising specific academic literature, identifying data sources and analyzing them using statistical software such as Stata, R, and Matlab. Several studies were published in peer-reviewed journals and presented at academic and public scenarios such as the following:

- The III Iberoamerican Meeting of Socioeconomics organized by the Society for the Advancement of Socioeconomics.
- The IX Conference of the Colombian Association for Regional Studies at Universidad Tecnológica de Bolívar in Cartagena.
- The Central Bank of Colombia's seminar commemorating 20 years of regional studies.

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## TEACHING

UNIVERSIDAD TECNOLÓGICA DE BOLÍVAR: Lecturer.

Undergraduate courses in Economics.

*Cartagena, Colombia  
Fall 2016 – Spring  
2018, Fall 2019*

- Introductory courses in Microeconomics, Macroeconomics and Econometrics.
- Classes consisted of 15 students per semester. Responsibilities included recitations of two lectures per week and preparing academic material such as slides, assignments, and exams.

Graduate module in Applied Statistics.

- Module on Survival Analysis for the Master's degree.
- The module introduces basic theoretical concepts such as the Kaplan-Meier estimator, the log-rank test, and the Cox model of proportional hazards. These concepts are then applied in class using R and public datasets of previously conducted clinical trials.

*Cartagena, Colombia  
Fall 2019*

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## HONORS

Central Bank of Colombia Scholarship to study the MA in Statistics at Columbia University

*2018 – 2019*

Universidad de los Andes "Quiero Estudiar" Scholarship to study the BA in Economics

*2009 – 2013*

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## PROGRAMMING SKILLS

Advanced: R, Stata    Intermediate: MATLAB    Basic: ArcGIS/QGIS, Java, Python

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## OTHER

**Date of birth:** December 1991 in Barranquilla, Colombia

**Languages:** Spanish (native), English (TOEFL 106, 2017), German (Sprachdiplom C1, 2009)

**Nationalities:** Colombian and German

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## PEER - REVIEWED PUBLICATIONS

1. “Efficiency of local public education in a decentralized context” (with Ligia Melo, Dalma Ariza and Cristian Carmona). *International Journal of Educational Development*, 76, 2020.
2. “Matriz insumo-producto interregional para Colombia, 2012” (with Eduardo Haddad, Weslem Rodrigues and Luis Galvis). *Revista de Economía del Caribe*, 21, 2018.
3. “Crecimiento municipal en Colombia. El papel de las externalidades espaciales, el capital humano y el capital físico” (with Luis Galvis), *Sociedad y Economía* 31, 2017.
4. “Encadenamientos regionales en Colombia 2004-2012”, *Revista de Economía del Rosario* 19(1), 2016.
5. “Cambios en la producción sectorial de las regiones colombianas: un análisis de descomposición estructural”, *Economía y Región* 10(2), 2016.

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## BOOK CHAPTERS AND OTHER PUBLICATIONS

1. “Regional economic inequality in Colombia, 1926-2018” (with Adolfo Meisel), in D. A. Tirado-Fabregat, M. Badia-Miró & H. Willebald (Eds.), *Time and Space: Latin American Regional Development in Historical Perspective*. Palgrave Macmillan, 2020.
2. “Una revisión de los estudios de convergencia regional en Colombia” (with Luis Galvis and Wendy Galvis), in J. Bonet Morón & G. Pérez Valbuena (Eds.), *20 años de estudios sobre el Caribe colombiano*. Colección de Economía Regional, Banco de la República, 2020.
3. “La mortalidad y desnutrición infantil en La Guajira” (with Jaime Bonet), *Revista del Banco de la República* 90(1074), 2017.
4. “Caracterización del mercado laboral en el sector hotelero de Cartagena y las principales áreas metropolitanas” (with Ana M. Estrada, Lewis Polo and Gerson Pérez), *Revista del Banco de la República* 89(1067), 2016.

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## WORK IN PROGRESS

1. “Los efectos económicos regionales de la construcción de infraestructura de transporte en el corto plazo”
2. “Descomposición de la desigualdad económica en Colombia 2010-2019”

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## WORKING PAPERS

1. “La gestión y operación del Sistema Integrado de Transporte Masivo (SITM) de Cartagena: el rol dual de Transcaribe” (with Jaime Bonet). Documento de Trabajo sobre Economía Regional y Urbana, No. 286.
2. “Las finanzas públicas de Cartagena, 2001 – 2018” (with Jaime Bonet and Yuri Reina). Documento de Trabajo sobre Economía Regional y Urbana, No. 282.