

GLORIA LUCIA BERNAL NISPERUZA

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Facultad de Ciencias Económicas y Administrativas
Cr.7 No.40B-36, Ed. Jorge Hoyos Vásquez, S.J., Piso 7. Bogotá, Colombia

EDUCATION

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| Ph.D. in Governance and Policy Analysis Maastricht and Unu-Merit University | Mar. 2017 – Jun. 2021 Maastricht, the Netherlands |
| Master of Public Administration New York University | Aug. 2012 - May. 2014 New York, NY, United States |
| Master in Economics (honors) Pontificia Universidad Javeriana | Aug. 2006 - Oct. 2008 Bogotá, Colombia |
| Economist Pontificia Universidad Javeriana | Jan. 2001 - Oct. 2005 Bogotá, Colombia |

WORK EXPERIENCE

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| 2020 – Present | Cofounder and Codirector of the Laboratory of Economics of Education (LEE) in Colombia. With Luz Karime Abadía. Evidence-based laboratory in education (more than 40 statistical reports, 5 policy-brief, 3 ongoing interventions, and 700 mentions in national/regional media: https://economyadelaeducacion.org/). Pontificia Universidad Javeriana, Bogotá Colombia |
| Jan 2022 - | Associate Professor. Economics Department. Pontificia Universidad Javeriana, Bogotá, Colombia |
| 2009 – Present | Assistant Professor. Economics Department. Pontificia Universidad Javeriana, Bogotá, Colombia |
| 2010 – 2011 | Program Director. Undergraduate. Economics Program. Pontificia Universidad Javeriana, Bogotá, Colombia |
| 2006 – 2009 | Instructor. Economics Department. Courses: Principals of Economics, Microeconomics and Macroeconomics. Pontificia Universidad Javeriana, Bogotá, Colombia |

2002 – 2006 **Teaching Assistant.** Basic Macroeconomics, Economics Growth, Mathematical Economics, Time Series. Economics Department. Pontificia Universidad Javeriana, Bogotá, Colombia

RESEARCH EXPERIENCE

Aug. 2018 – Dec. 2018 Junior Researcher, KU Leuven, Leuven, Belgium
Feb. 2013 – Jun. 2012 Research Assistant, New York University, New York, MA, USA
Dec. 2011 – May. 2012 Research Fellow, Javeriana University & Colombian Ministry of Social Affairs, Bogotá, Colombia.
Aug. 2004 – Apr. 2005 Research Assistant, Central Bank, Bogotá, Colombia

PUBLICATIONS

* Indicates the publications where I contributed as first author or the co-first author.

*Bernal N., G. L. (2021). On improving education opportunities: preferences and performance of High School students in response to scholarships, information, and co-education. Boekenplan.

*Thurston, A., Bernal, G. L., Abadia, L. K., Cockerill, M., MacKenzie, A., O’Keeffe, J., & Garcia, P. O. (2021). A Phase 2 exploratory trial of Paired Reading in Spanish language in Colombia. *International Journal of Educational Research*, 106, 101741.

Gómez-Soler, S., Bernal, G., Idarraga, P. (2020). Test Preparation and Students’ Performance: The Case of the Colombian High School Exit Exam. *Cuadernos de Economía*. 39(79), 31-72.

*Bernal, G., & Penney, J. (2019). Scholarships and student effort: Evidence from Colombia’s Ser Pilo Paga program. *Economics of Education Review*.

Soler, S., Alvarado, L. K., & Bernal, G. (2019). Women in STEM: does college boost their performance? *Higher Education*, 1-18.

*Abadía, L. Bernal, G. Muñoz, S. (2018). Gaps in students’ performance in PISA: What explains Colombia’s difference from Finland and Chile? *Education Policy Analysis Archives*, [S.l.], v. 26, p. 82, Jul. 2018. ISSN 1068-2341.

*Abadía, L. and Bernal, G. (2017). A Widening Gap? A Gender-Based Analysis of Performance on the Colombian High School Exit Examination. *Revista de Economía del Rosario*, [S.l.], v. 20, n. 1, p. 28.

FIELD PROJECTS

- 2020- **TuTutor.** One-to-one tutoring program to low-income children in Colombia (RCT). Promotor and field leader.
- 2021- **Secretaría de Seguridad de Bogotá.** “La mochila de Justico y Justica” socioemotional program applied in public schools. Copromotor.
- 2021 **Queens Belfast University.** Pair reading project to enforce reading skills in public schools (RCT). Copromotor and field leader.
- 2021 **ESCALANDO. WELBIN.** Welbeing school index. Surveys to more than 900 Colombian schools. Consultant.
- 2021 **ICFES & ICETEX.** Survey on limitations to higher education access in five regions of Colombia. Copromotor.
- 2021 **SECRETARÍAS DE EDUCACIÓN COLOMBIA.** Survey on teachers’s tools and limitations during the pandemic in Secondary education in Colombia. Copromotor.
- 2021 **IDEP.** Instituto para la Investigación Educativa, Bogotá. Desarrollo del índice IDE del derecho a la educación de colegios privados. Development of the IDE index of the right to education in private schools. Surveys to private schools.
- 2020 **IDEP.** Instituto para la Investigación Educativa, Bogotá. Análisis cuantitativo del desarrollo educativo. Consultant.

RESEARCH GRANTS

- 2020 **Global Challenge Research Fund (GCRF) Awards, 2020/21** .With Allen Thurston, Luz Karime Abadia and Maria Cockerill (Copromotor. 25,000 GBP)
- 2020 **ICFES** research grant. With Alberto Sasmay Ananías (Promotor. 10,000 USD)
- 2016 **ICFES** research grant. With Jeffrey Penney. (Promotor. 10,860 USD)
- 2016 **ICFES** research grant. With Silvia Gómez and Luz Karime Abadía. (Promotor. 12,525 USD)
- 2015 **ICFES** research grant. With Luz Karime Abadía. (Copromotor. 9,445 USD)
- 2014 **ICFES** research grant. With Paula Herrera and Silvia Gómez. (Promotor. 13,047 USD)
- 2014 **ICFES** research grant. With Luz Karime Abadía (Copromotor. 11,805 USD)

Note: ICFES stands for Colombian Institute for the Promotion of Higher Education. ICFES grant is originally in Colombian Pesos; exchange rate: 1 USD = \$3,500.

CONSULTANCY

- 2019 **Ministry of Education of Colombia.** Guidelines on innovation in education.
- 2012 **Ministry of Health of Colombia.** Cost effectiveness analysis: Alcohol, Sepsis and Asphyxia.

WORKING – PAPERS

Are non-cognitive factors predictors of math performance of girls and boys? A Machine Learning approach (2021). Convocatoria ICFES.

Preferences for STEM programs and gender differences: evidence from a Discrete Choice Experiment in Colombia (2020) . *Vniversitas Económica*. Vol 17, NO. 13. Vol 20/6

Bernal, G. Penney, J. (2017). The Colombian Test Score Puzzle. *Vniversitas Económica*. Vol 17/13.

Giraldo, A. Bernal, G. (2017) Datos en Tiempo Real, Regla de Taylor y Política Monetaria en Colombia: Otro Ejercicio Empírico. *Vniversitas Económica*. Vol 17/1

Bernal, G., Wong, J., (2012): “Immigrant’s educational performance in non-OECD Countries vs. OECD countries. *Capstone NYU*. Evidence from PISA test 2009”

Bernal, G., Táutiva, J. (2011) “Relevancia de los datos en tiempo real en la estimación de la Regla de Taylor para Colombia. *Revista de Economía Institucional*, Volumen 13, # 24.

Bernal, G., Nieto, C., “Evolución del coeficiente de Zipf a lo largo del siglo XX en Colombia” (2006) *Documentos de Economía*. Pontificia Universidad Javeriana, Bogotá Colombia.

Tenjo, J. “Educación y movilidad social en Colombia” (2004). *Documentos de Economía*. Pontificia Universidad Javeriana, Bogotá Colombia. Documento de consultoría DANE.

POLICY BRIEF – COLOMBIA (Manuscripts in Spanish)

Changes and challenges that teachers faced by teachers during the closure of schools due to the pandemic. (Feb. 2021) Laboratory of Economics of Education.

Private and public higher education institutions in Colombia: a multidimensional approach. (Nov. 2020) Laboratory of Economics of Education.

Higher education in Covid-19 times: state of the art and prospects. (May. 2020) Laboratory of Economics of Education.

Facts and recommendations to face negative effects from Covid-19 on colombian education. (Apr. 2020). Laboratory of Economics of Education.

WORK IN PROGRESS

Effect of information on schooling decisions. With Chris Neilson.

The productivity of Colombian public schools and its determinants: an empirical analysis. With Tommaso Agasisti, Juliana Arias and Luz Karime Abadía.

Are non-cognitive factors predictors of math performance of girls and boys? A Machine Learning approach. With Alberto Sasmay and Luz Karime Abadía.

Value-added afrom tertiary education: evidence from Colombia. With Jeffrey Penney.

The effect of converting single-sex schools to coeducational: quasi-experimental evidence from Colombia. With Kristof De Witte.

Can information change preferences for higher education? Evidence from a randomized experiment in Colombia. With Luz Karime Abadía, Sergio Arango and Kristof De Witte.

When chances for higher education drop: the cancellation of Ser Pilo Paga scholarship on student preferences for higher education. With Luz Karime Abadía, Luis Esteban Alvarez and Kristof De Witte.

Paired Reading in Spanish language in Colombia. With Luz Karime Abadía, Maria Cockerill and Allen Thurston.

Survey on educational practices in elementary and secondary education during Covid-19. With Luz Karime Abadía and Tommaso Agasisti.

Education, COVID-19 and pro-social behavior: The effect of remote tutoring. With Luz Karime Abadia and Daniela Morar.

SUPERVISOR OF MASTER THESIS

Lina Rodríguez y Zaida Roa (2021). Déficit de médicos en Colombia en área rural: exploración de incentivos para aumentar la participación de médicos en el servicio social obligatorio-SSO en zonas vulnerables de Colombia.

Juliette Martinez, Sara Campuzano y Andrea Rodríguez (2020) “Development of a PSO metaheuristic for the menu planning problem with DCE preferences analysis”.

Daniela Mesa (2020). Determinantes de la Percepción de la Democracia en Colombia.

Ana Yudy Vera y Harrison Sandoval (2019) ¿Colegios que están expuestos a factores de competencia tienen mejores resultados en las pruebas saber11 que aquellos que no lo están?

Oskar Quintero (2018). Efectos de la Acreditación de Alta Calidad sobre el Valor Agregado de las pruebas de Estado. Ganador convocatoria de investigación ICFES 2018-estudaintes.

- Nathalia Lesmes y Catalina Vallejo (2018) Incompatibilidad existente entre las preferencias de estudio de los individuos y la elección de carrera Caso aplicado a Colombia.
- Niny López (2017) ¿El programa de alimentación escolar contribuye a mejorar el rendimiento académico?: Evaluación del PAE en Colombia. *Vniversitas Económica*. Vol 17, NO. 11. Ganador convocatoria de investigación ICFES 2016- Estudiantes.

CONFERENCE PRESENTATIONS

- 2020 **Banco de la República**, Bogotá, Colombia. Feb. 6.
- 2019 **ICFES**, 10° International Reserch Seminar, educación superior. Nov. 7-8.
5th LEER Workshop on Education Economics. KU Leuven. Leuven, Belgium. Apr. 4-5.
 (x2)
AEFP 44th Annual Conference. Kansas city, Missouri, USA. Mar. 21-23.
Fedesarrollo, Seminario. Aug. 23.
LEER. Workshop improving quality and returns to education. Nov. 5.
UNU-Merit. Maastricht University, GPAC Workshop. Nov. 12.
- 2018 **IWAEE. 9th International Workshop on Applied Economics of Education**
 Catanzaro, Italy, Jun. 17 - 19. Poster.
Canada Embassy. May. 28.
UNICEF, Bogotá. Jul. 11.
- 2017 **ICFES. 8th International Reserch Seminar ICFES**. Cartagena, Colombia. Poster. Nov. 2 y 3.
UNU-MERIT, Maastricht University. GPAC Workshop. Maastricht, The Netherlands. Nov. 20 – 24.
Javeriana. Congreso de investigación de la Universidad Javeriana. Sep. 13 -15.
International Symposium on Gender Studies, Interdisciplinary Research
 Foundation. London, England. Mar. 3-5.
- 2016 **Gender Gap Conference**. Poland. Jul.
ICFES. 7th International Reserch Seminar. Nov. 3 – 4.
- 2015 **ICFES**. 6th International Reserch Seminar. Nov. 5 – 6.
 Javeriana Cali. Simposio de microeconomía.

HONORS AND AWARDS

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| 2021 | Javeriana University . Teaching excelling award. |
| 2017-2021 | Nuffic . PhD Scholarship Netherlands Fellowship Programmes (NFP). |
| 2012-2014 | Colfuturo Scholarship. |
| 2010 | Fulbright Scholarship (declined). |
| 2008 | Javeriana University . Best GPA and Master Thesis. |
| 2005 | Javeriana University Best tutor award in Economics. |
| 2004 | PEP . Scholarship for leader formation program. |

MEDIA IN COLOMBIA

- 2021- Appearances in national media speaking on education. More than 40, including TV, Radio and newspapers.
- 2020 Appearances in national media speaking on education. TV: 11; Radio: 4. Mentions in news papers: 8.
- 2017 Op-ed. Que retribuya al que se le atribuye. Sep. 27. *Portafolio*.
- 2017 Op-ed. Las niñas, con menor desempeño que los niños. Jan. 6. *Portafolio*.
- 2015 Op-ed. Ser rico paga. Potafolio. With Luis Carlos Reyes. Apr. 24. *Portafolio*.

RESEARCH INTEREST

Policy Evaluation, Economics of Education, Research for Real Social Impact.

OTHERS

- 2020- Cofounder and promotor of TuTutor program (more than 600 tutors tutoring vulnerable 5th grade children in public schools in Colombia)
- 2001-2008 Athlete in the running team of Javeriana University.
Futbol team. Economics and Bussines faculty of Javeriana University.
- 2002-2010 Volunteer in accompanying social programs of Javeriana University.

LANGUAGES

Spanish (native), English (Professional level).