




Spencer Foundation Proposal Details:

Administering Organization: Del Rosario University
Legal Name: Colegio Mayor De Nuestra Señora Del Rosario
Principal Investigator: Ms. Olga Namen
Project Title: Human Capital Investment in Post-Conflict Colombia
Request Amount: \$18,000.00
Request ID: 10017623

Signature from Authorized Representative of the Administering Organization

The proposal referenced above is approved for submission to the Spencer Foundation. The proposal details can be found on the pages following this signature page.

Signature: 
Carlos E. Sepulveda (Feb 1, 2014)

Email: linam.jaramillo@urosario.edu.co

Name: Carlos Eduardo Sepulveda Rico
Title: Dean Department of Economics



Administering Organization

Organization: Del Rosario University

Address: Calle 12c #625
Bogota,

Principal Investigator

Name: Ms. Olga Namen

Title: Postdoctoral Researcher

Department or Office: Department of Economics

Organization: Del Rosario University

Email: olga.namen@urosario.edu.co

Co-Principal Investigator

Name: Professor Mounu Prem

Title: Adjunct Professor

Department or Office: Economics Department

Organization: Del Rosario University

Email: fmmunoz.ma@gmail.com



Co-Principal Investigator

Name: Professor Juan Vargas

Title: Professor of Economics

Department or Office: Economics

Organization: Del Rosario University

Email: juan.vargas@urosario.edu.co

Proposal Summary

Proposal Title: Human Capital Investment in Post-Conflict Colombia

Project Start Date: 07/01/2019

Requested Amount: \$18,000.00

Project End Date: 06/30/2020

Research Area: Field-Initiated

Number of months for project: 12

Proposal Summary (200 word limit)



Research on the micro-level effects of violence shows that individuals living in conflict-affected areas considerably reduce their investment in education in the long-run. However, little is known about how individuals respond to the end of conflict in the short-run. We aim to fill this gap by studying the case of Colombia, where after 50 years of internal civil war, the government declared a bilateral ceasefire with the FARC guerrilla that drastically decreased conflict in previously affected areas. We will examine how school enrollment and dropout change in the process of transition into peace after the ceasefire. To do that, we plan to construct a rich dataset with information on conflict exposure and educational outcomes. We will estimate a difference-in-differences model that compares changes in the educational outcomes before and after the ceasefire among the municipalities formerly controlled by the guerrilla to changes before and after ceasefire among the other areas. We will complement the analysis by studying the effects on teachers quality and infrastructure investments. The results from this project are crucial to inform how peace-building processes can affect education in highly affected areas, and will shed some lights on the relevance of education policies during post conflict.

Proposal Data

Topic/Subject: Please indicate the top 3 topics your Spencer proposal is focused on:

Primary School Education, Secondary School Education, Other

Please Specify Other: Exposure to violent conflict

Methods/Approach: Please indicate the top 3 methodologies you plan to use in your project:

Quasi-experimental, Multivariate regression analysis/other regression analysis, Econometric analyses

Disciplinary Perspective: Please indicate the disciplinary perspectives to be utilized in your project:

Economics, Education, Public Policy, Statistics

Subjects/Informants: If applicable, please indicate the subjects/informants involved in your Spencer proposal.

Geographical Scope: What country will your research be focused on?

Only in countries other than the United States

Please Specify Location: Colombia



Authorized Signatory Information

Signatory Name: Carlos Eduardo Sepulveda Rico

Signatory Title: Dean Department of Economics

Signatory Email: linam.jaramillo@urosario.edu.co

Attached Documents

Proposal Narrative: ProposalNarrative.pdf

Proposal Budget: Budget Form

Project Timeline: ProjectTimeline.pdf

Appendices:

PI CV: onamen.pdf

Co PI CV's: cv.pdfCV_Nov2018.pdf

Proposal narrative: *Human Capital Investment in
Post-Conflict Colombia*

Olga Namen

Mounu Prem

Juan Vargas

February 1, 2019

1 Introduction

The growing empirical research on the micro-level effects of violence shows that individuals living in conflict-affected areas considerably reduce their investment in education in the long-run (Justino, 2011). Little is known, however, about individuals and institutions' behavioral responses to the end-of-conflict in the short and medium-run and which are the mechanisms that determine if a country affected by conflict successfully transitions into peace (Brück et al., 2017). The 2014 ceasefire in Colombia provides a unique opportunity to fill this gap.

After 50 years of internal civil war, the government declared a bilateral ceasefire with the FARC guerrilla on December 20 of 2014. This event that dramatically decrease the intensity of conflict in areas controlled by FARC was part of a long peace process that ultimately reached a definite agreement on August 29 of 2016. We will study how educational outcomes such as school enrollment and dropout respond to the ceasefire in areas previously controlled by FARC. In particular, we will examine the following questions:

- How do enrollment and dropout change among school-aged children after the ceasefire in areas that used to be affected by conflict?
- Does the ceasefire cause increases in enrollment for adult education (driven, for example, by the reincorporation of ex combatants in the civil society)?

- Do these patterns vary across gender and age?

The results from this project are crucial to inform the consequences of peace-building processes for human capital investment. Also our analysis could be informative about education policy interventions that should complement post-conflict periods not only in Colombia but in other conflict affected countries around the world.

2 Literature Review

Several research studies have shown that exposure to conflict negatively affects human capital by lowering the educational attainment and reducing school attendance. This literature has focused on various settings such as exposure to bombings in Germany during the World War II (Akbulut-Yuksel, 2014; Ichino and Winter-Ebmer, 2004) the armed conflict in Rwanda (Akresh and De Walque, 2011; Guariso and Verpoorten, 2013) and Peru (Leon, 2012), and exposure to landmine contamination in Cambodia (Merrouche et al., 2006), among others.

This literature also points out the differential impacts of conflict across gender. She-myakina (2011) studies the armed conflict in Tajikistan and finds that although the school enrollment of adolescent girls (12-15 years old) is lower in affected households, there are no effects for boys.

Our project contributes to this literature by studying the short-term effects of a sharp decrease in conflict driven by the ceasefire in Colombia on 2014. Also we will study how the supply of education responds to this event. In particular we will investigate if there is any effect on the quality and number of teachers, and the investment in infrastructure in counties previously affected by conflict after the ceasefire.

3 Conceptual Framework

The bilateral ceasefire between the guerrilla and the Colombian government could impact the individuals' human capital investment in several ways. First, civil society that used to live in

conflict affected areas will now experience a decrease in violence that lowers the cost of going to school. Moreover, the stability and future growth of the economy will also increase the returns to education. Furthermore, the ceasefire enables the government to invest in those schools that were isolated by the violence by bringing teachers with better qualifications and improving the infrastructure. Second, given the disarmament of the FARC guerrilla, ex combatants now face incentives to enroll in education either to finish high school or to enter vocational schools that facilitates their reincorporation in the civilian life.

4 Data

For this study, we will construct a dataset combining different sources of information on conflict exposure and educational outcomes. The final product will be a panel of municipalities over the period 2011-2017.

- Exposure to conflict: we use several measures of conflict exposure previous to the ceasefire registered on the “Noche y Niebla” reports from the NGO Centro de Investigacion y Educacion Popular (CINEP) of the Company of Jesus in Colombia. These records were compiled in a dataset by Restrepo et al. (2004) and have information on the date, municipality, number of victims and the perpetrator of each violent event.
- Educational outcomes: we will create a longitudinal dataset with yearly administrative records on school enrollment and dropout from the countrywide school census collected by the Department of Statistics. The census also includes characteristics of the schools, failure rates at the grade level and information about adult education, which is relevant for this context. We will combine these data with test scores from standardized achievement tests taken at third, fifth, ninth and eleventh grade that are collected by the Colombian Institute for the Evaluation of Education (ICFES). In addition, we will include information about the number and characteristics of the teachers in each school collected by the Ministry of Education to compute indicators such as student-teacher ratio and teacher turnover.
- Other data: we will complement our dataset including household characteristics from a

Colombian Longitudinal survey (Encuesta Longitudinal Colombiana) that covers rural and urban areas and collects information on employment, income, consumption, health and education since 2007.

5 Research Method

To evaluate the effect of the Colombian ceasefire on human capital investment we will use a difference-in-differences model. This strategy compares changes in the educational outcomes before and after the ceasefire among the municipalities formerly controlled by the guerrilla to changes in the educational outcomes before and after the ceasefire among the other areas. The econometric specification that we propose is the following:

$$Y_{it} = \delta(Post_t * FARC_i) + \alpha_i + \gamma_t + \epsilon_{it} \quad (1)$$

where Y_{it} denotes the educational outcome (i.e. enrollment rates and dropout rates by gender and age) in municipality i in year t . $Post_t$ is an indicator variable that takes the value of one after the ceasefire and $FARC_i$ is a dummy variable that indicates the municipalities that were controlled by the guerrilla before the ceasefire (had at least one event perpetrated by this group).

To capture any time-invariant characteristics of the municipalities we include municipality fixed-effects α_i and to capture any common time shock we include year fixed effects γ_t . We cluster the error term ϵ_{it} at the municipality level.

Under the identification assumption that the counterfactual trend (in the absence of the peace agreement) in educational outcomes for municipalities formerly controlled by the guerrilla is the same as the observed trend in educational outcomes for the other municipalities, the coefficient of interest δ captures the causal effect of the ceasefire on human capital investment.

We will also augment equation (1) by adding interaction terms to understand the mechanisms behind our average results. One example is that the conflict in Colombia is composed by several armed groups. In this way we can create a measure of exposure to other armed groups. In these areas the reduction and influence of conflict was not as large as areas not

exposed to other groups (see for example Prem et al., 2018).

6 Research Team

	Role
Olga Namen (PI)	Management of research team, data analysis, writing the paper
Mounu Prem (PI)	Data analysis, writing the paper
Juan F. Vargas (PI)	Writing the paper, data analysis, dissemination
Research Assistant	Conduct literature review, construct datasets, digitize reports

7 Conclusion

This study will provide rigorous evidence on how investment in human capital responds after conflict exposure. Moreover, it will help to understand how are the investment decision in the short-run after a long standing conflict.

Word count 1254/1800.

References

- Akbulut-Yuksel, M. (2014). Children of war the long-run effects of large-scale physical destruction and warfare on children. *Journal of Human resources*, 49(3):634–662. 2
- Akresh, R. and De Walque, D. (2011). Armed conflict and schooling: Evidence from the 1994 rwandan genocide. *Working Paper*. 2
- Brück, T., Justino, P., and Martin-Shields, C. P. (2017). Conflict and development. *The World Bank Economic Review*. 1
- Guariso, A. and Verpoorten, M. (2013). Armed conflict and schooling in rwanda: Digging deeper. Technical report, LICOS Discussion Paper Series. 2
- Ichino, A. and Winter-Ebmer, R. (2004). The long-run educational cost of world war ii. *Journal of Labor Economics*, 22(1):57–87. 2

- Justino, P. (2011). Violent conflict and human capital accumulation. *IDS Working Papers*, 2011(379):1-17. 1
- Leon, G. (2012). Civil conflict and human capital accumulation the long-term effects of political violence in Perú. *Journal of Human Resources*, 47(4):991-1022. 2
- Merrouche, O. et al. (2006). The human capital cost of landmine contamination in cambodia. Technical report, Households in conflict network. 2
- Prem, M., Rivera, A., Romero, D., and Vargas, J. F. (2018). Killing social leaders for territorial control: the unintended consequences of peace. 5
- Restrepo, J., Spagat, M., and Vargas, J. (2004). The dynamics of the colombian civil conflict: A new dataset. *Homo Oeconomicus*, 21, 396-429. 4
- Shemyakina, O. (2011). The effect of armed conflict on accumulation of schooling: Results from tajikistan. *Journal of Development Economics*, 95(2):186-200. 2



Salaries

	Year 1 Budget	Total Budget	Budget Narrative (required)
Graduate/Research Assistant	\$10,000.00	\$10,000.00	One research assistant (master student in economics or related fields) working part-time during a year at a cost of \$10 USD per hour. The RA will help us to construct a dataset pooling information from different publicly available sources and to conduct preliminary analysis.
Salaries Total	\$10,000.00	\$10,000.00	

Travel

	Year 1 Budget	Total Budget	Budget Narrative (required)
Conferences or Dissemination Travel	\$5,000.00	\$5,000.00	This amount will cover travel tickets and accommodations
Travel Total	\$5,000.00	\$5,000.00	

Equipment and Software

	Year 1 Budget	Total Budget	Budget Narrative (required)
Equipment	\$1,500.00	\$1,500.00	Laptop for the research assistant
Software	\$1,500.00	\$1,500.00	Stata license for the computer



Equipment Total \$3,000.00 \$3,000.00

Total Budget

	Year 1 Budget	Total Project Budget
TOTAL DIRECT COSTS	\$18,000.00	\$18,000.00
TOTAL SUBCONTRACTS	\$0.00	\$0.00
TOTAL PROPOSAL	\$18,000.00	\$18,000.00

Project timeline: *Human Capital Investment in
Post-Conflict Colombia*

Olga Namen Mounu Prem Juan F. Vargas

February 1, 2019

07/01/2019	.....	•	Project start: Gathering the data and constructing the dataset (3 months).
10/2019	.....	•	Preliminary analyses.
11/2019	.....	•	Robustness checks.
12/2019	.....	•	Summary of the results.
01/2020	.....	•	Writing a working paper (2 months).
03/2020	.....	•	Presentations and conferences.
04/2020	.....	•	Finishing final draft.
05/2020	.....	•	Journal submissions.
06/30/2020	.....	•	Project end.

OLGA NAMEN

Address: Calle 12c # 4 - 79
 Department of Economics
 Universidad del Rosario
 Bogota, Colombia

Phone: +57 (350) 662 8323
 onamen@uchicago.edu
 olga.namen@urosario.edu.co

Current Position	Post-Doctoral Researcher , Department of Economics Universidad del Rosario and Innovations for Poverty Action	2018-
Education	Ph.D. Public Policy, University of Chicago Certificate in Survey Research, University of Chicago M.A. Economics, Universidad de los Andes B.A. Economics, Universidad de los Andes Minor in Management, Universidad de los Andes	2017 2017 2011 2010 2010
Fields	Economics of Education, International Development, Quantitative Methods	
Work Experience	Consultant , Development Research Group World Bank, Washington DC Research Fellow , Research Department Inter-American Development Bank, Washington DC Research Assistant , Center for Economic Development CEDE Universidad de los Andes	2013 2011-2012 2010
Teaching Experience	Instructor at Universidad del Rosario Principles of Economics (Undergraduate) Teaching Assistant at UChicago Program Evaluation (Masters) Applied Econometrics II (PhD) Regression Analysis for Public Policy II (Masters) Economics of Education Policy (Masters) Teaching Assistant at Universidad de los Andes Introduction to the Colombian Economy (Undergraduate) Trade and International Economics (Undergraduate)	Fall 2018 Fall 2016, Winter 2016, Fall 2015 Spring 2015 Winter 2015 Winter 2015 Fall 2010 Fall 2009
Grants/ Awards	World Bank Strategic Impact Evaluation Fund (\$150K) University of Chicago Graduate Council Travel Fund (\$600) Harris Professional Development Fund (\$1K) The Pearson Institute Research Fund (\$9.8K) Committee on Southern Asian Studies Fund (\$6.8K) Fulbright Grant for Doctoral Studies in the US (\$160K) Ph.D. Fellowship, Harris School Top 10 scores - National Graduate Test in Economics (Saber Pro)	2018 2017 2017 2017 2017 2013-2017 2013-2017 2010

Working Papers	<p>"Does Encouraging Social Promotion Affect Educational Outcomes?"</p> <p>"The Peer Effects of Grade Retention"</p> <p>"Nimble messaging to improve Early Childhood Development in Ecuador" (project funded, fieldwork to launch in 2019)</p> <p>"Human Capital Accumulation under Threat of Insurgent Violence: Evidence from Southern Thailand" (with A. Adukia and A. Wright)</p>	
Publications	<p>Factores de Eficacia Escolar en el Uso de Laptops del Programa OLPC, <i>Revista Peruana de Investigacion Educativa</i>, 2014, No. 6, pp. 115-143 (with Micaela Wensjoe, Santiago Cueto, Alan Sanchez and Guido Melendez)</p> <p>Historia del Credito Hipotecario en Colombia, <i>Ensayos sobre Politica Economica, ESPE</i>, 2012, vol. 30, No. 67 (with Miguel Urrutia)</p>	
Presentations	<p>Research day, Universidad del Rosario</p> <p>CHERP, Federal Reserve Bank of Chicago</p> <p>Development Workshop, University of Chicago</p> <p>LACEA-LAMES Annual Meeting, Buenos Aires, Argentina</p> <p>APPAM Fall Research Conference, Chicago IL</p> <p>AEFP 42nd Annual Conference Poster Session, Washington DC</p> <p>H2D2 Research Day Poster Session, University of Michigan</p> <p>Center for Program Evaluation Workshop, University of Chicago</p> <p>Congreso de Economia Colombiana, Universidad de los Andes</p>	<p>2018</p> <p>2017</p> <p>2017</p> <p>2017</p> <p>2017</p> <p>2017</p> <p>2017</p> <p>2016</p> <p>2012</p>
Service	<p>Advisory Committee - Colombian Institute for the Evaluation of Education</p> <p>Scholarship Application Reviewer - Fulbright Colombia</p> <p>Ph.D. Student Council - Harris School, University of Chicago</p> <p>Ph.D. Student Social Co-chair - Harris School, University of Chicago</p> <p>Mentor - Mentoring International Organization</p>	<p>2018-</p> <p>2018-</p> <p>2017</p> <p>2015</p> <p>2012-2013</p>

Mounu Prem (Francisco Muñoz)

CONTACT INFORMATION	Universidad del Rosario Economics Department	Email: francisco.munoz@urosario.edu.co https://sites.google.com/site/fcomunozma/
EMPLOYMENT	Adjunct Professor, Economics Department, Universidad del Rosario, 2017-	
AFFILIATIONS	Economist Research Network, Banco de la República, 2018- Research fellow, Household in Conflict Network (HiCN), 2019-	
EDUCATION	PhD in Economics, Stanford University, 2012 - 2016. <i>Thesis:</i> "Essays on Political Economy in Developing Countries" <i>Committee:</i> Pascaline Dupas (chair), Nick Bloom, Arun Chandrasekhar, Dave Donaldson. M.A. in Economics, Pontificia Universidad Católica de Chile, July 2011. B.A. in Economics, Pontificia Universidad Católica de Chile, July 2011.	
RESEARCH INTEREST	Political Economy, Development Economics, Corporate Finance	
PUBLICATIONS	"The Value of Political Capital: Dictatorship Collaborators as Business Elites," with F. González. <i>Journal of Economic Behavior & Organization</i> , 2018, 115(4):217-230. "Can Television Bring Down a Dictator? Evidence from Chile's "No" Campaign," with F. González. <i>Journal of Comparative Economics</i> , 2018, 46(1):349-361. "The Internal Capital Markets of Business Groups: Evidence from Intra-Group Loans," with D. Buchuk, B. Larraín, and F. Urzúa. <i>Journal of Financial Economics</i> , 2014, 112(2):190-212. "Liquidity and Firm Investment: Evidence for Latin America," <i>Journal of Empirical Finance</i> , 2013, 20(1):18-29. "A New Kidney Allocation Policy in Chile: Computer-Based Simulations," with R. Atal, J. Domínguez, and R. Harrison, <i>Transplantation Proceedings</i> , 2013, 45(4):1313-1315.	
WORKING PAPERS	"Losing Your Dictator: Firms During Political Transition," with F. González. <i>R&R at the Journal of Economic Growth</i> "Patronage and Selection in Public Sector Organizations," with E. Colonnelli and E. Teso. <i>R&R at the American Economic Review</i> "The Privatization Origins of Political Corporations," with F. González and F. Urzúa I. <i>Submitted</i> "How Do Internal Capital Markets Work? Evidence from the Great Recession," with D. Buchuk, B. Larraín, and F. Urzúa I. <i>Submitted</i> "Killing Social Leaders for Territorial Control: The Unintended Consequences of Peace," with A. Rivera, D. Romero, and J. F. Vargas. <i>Submitted</i> "End-of-Conflict Deforestation: Evidence from Colombia's Peace Agreement," with S. Saavedra and J. F. Vargas. <i>Submitted</i> "Corruption and Firms: Evidence from Randomized Anti-Corruption Audits in Brazil," with E. Colonnelli. "The Geography of Repression and Support for Democracy: Evidence from the Pinochet Dictatorship," with M. A. Bautista, F. González, L. Martínez, and P. Muñoz. "The Internal Labor Markets of Business Groups," with C. Huneus, F. Huneus, B. Larraín, and M. Larraín.	

SELECTED WORK IN PROGRESS	<p>“Lost in Transition?” with F. González and P. Muñoz.</p> <p>“Repression and Educational Disruption during Pinochet’s Dictatorship,” with M. A. Bautista, F. González, L. Martínez, and P. Muñoz.</p> <p>“Making the Economy Scream,” with F. Aldunate and F. González.</p> <p>“Spreading <i>La Revolución</i>,” with F. González.</p>
AWARDS, HONORS, AND FELLOWSHIPS	<p>2018 <i>Landau Prize for the best SIEPR Discussion Paper</i>, Stanford.</p> <p>2017 <i>Best Paper Award at USC Marshall PhD Conference in Finance (co-winner)</i>.</p> <p>2015-16 <i>Innovation and Entrepreneurship in Developing Economies PhD fellowship (SEED)</i>, Stanford.</p> <p>2014-15 <i>Shultz Graduate Student Fellowship in Economic Policy (SIEPR)</i>, Stanford.</p> <p>2014 <i>SCID Graduate Student Fellowship in International Development</i>, Stanford.</p> <p>2014 <i>Russell Sage Foundation Summer Institute in Behavioral Economics</i>.</p> <p>2013 <i>Summer India Program</i>, SIEPR.</p> <p>2012-13 <i>Graduate Fellowship, Department of Economics, Stanford University</i>.</p> <p>2011 <i>Academic Excellence Prize</i>, for outstanding performance, M.A. in Economics, PUC Chile.</p> <p>2011 <i>M.A. in Economics graduated with the highest honors</i>, PUC Chile.</p> <p>2011 Best overall student of PUC Chile’s M.A. in Economics in official records (1997-2011), attaining grade score of 6.8 over 7.0.</p> <p>2011 <i>“Raúl Yver Oxley” Prize</i>, to the best graduating student in B.A. in Economics, PUC Chile.</p> <p>2011 <i>Master in Economic thesis approved with the highest honors</i>, for “Liquidity and Firm Investment: Evidence for Latin America.”</p> <p>2011 <i>Finance UC Prize</i>, for best M.A. thesis related to finance.</p> <p>2010 <i>Distinction for Graduation Examination in Macroeconomics</i>, given to the best Graduate Examination in the field, PUC Chile.</p>
GRANTS	<p>2018 <i>Large Research Grant</i>, U. del Rosario.</p> <p>2018 <i>Small Research Grant</i>, Spencer Foundation.</p> <p>2018 <i>Peace and Recovery Grant</i>, IPA.</p> <p>2017 <i>Ronald McKinnon Memorial Fellowship</i>, SCID.</p> <p>2016 <i>Development Economics Challenge Grant Top-up funding</i>, CEGA.</p> <p>2016 <i>IGC Firm Capabilities Research Grant</i>, International Growth Center.</p> <p>2016 <i>Graduate Research Grant</i>, Harvard IQSS.</p> <p>2016 <i>Development Economics Challenge Grant</i>, CEGA.</p> <p>2016 <i>Research Grant Economics Department</i>, Stanford University.</p> <p>2016 <i>IGC Pilot Research Grant</i>, International Growth Center.</p> <p>2016 <i>Pershing Square Venture Fund</i>, Harvard</p> <p>2015 <i>The Governance Initiative Development Grant</i>, JPAL-MIT.</p> <p>2015 <i>I-Award Grant</i>, Stanford SEED.</p> <p>2015 <i>The Governance Initiative Development Grant</i>, JPAL-MIT.</p> <p>2015 <i>PEDL Exploratory Research Grant</i>, CEPR.</p> <p>2015 <i>Computational Social Science Seed Grant</i>, Stanford IRiSS.</p> <p>2015 <i>Economic History Association Exploratory Travel and Data Grant</i>.</p> <p>2014 <i>Computational Social Science Student Grant</i>, Stanford IRiSS.</p> <p>2014 <i>PEDL Exploratory Research Grant</i>, Center for Economic Policy Research.</p> <p>2014 <i>Levin Family Seed Grant</i>, CEGA.</p> <p>2014 <i>PhD I-Award</i>, Stanford Institute for Innovation in Developing Economies (SEED).</p>
TEACHING	<p>Universidad del Rosario</p> <p>2017, 19 Political Economy (Graduate).</p> <p>2017, 19 Impact Evaluation (Graduate).</p>

INSPER Business School
2018 Political Economy of Finance (Graduate short course).

Pontificia Universidad Católica de Chile
2010 - 2011 Econometrics using Stata (Graduate).
2009 - 2010 Econometrics using Gauss (Graduate).

TEACHING
ASSISTANT

Stanford University, 2016
Undergraduate: Economic Development, Microfinance, and Social Networks.

Pontificia Universidad Católica de Chile, 2005-2011
Graduate: Real Analysis for Economists, Econometric Theory II, Empirical Studies in Finance, Economic Policies and Reforms, M.A. Thesis in Finance, Microeconomics (for MBA), Quantitative Methods for Business (for MBA).
Undergraduate: Industrial Organization, Macroeconomics I, Introduction to Macroeconomics.

REFEREEING
ACTIVITIES

China Economic Review, Economic Development and Cultural Change, FONDECYT (grants), International Review of Economics & Finance, Journal of Multinational Financial Management, Latin American Research Review, Review of Development Economics, Revista CEPAL, Revista de Economía del Rosario, Strategic Management Journal.

SEMINARS AND
CONFERENCES

2018 U. del Rosario, PUC-Rio, EESP-FGV, Insper Business School, U. Nacional, PUC-Chile, U. de Chile (FEN), U. de Talca, Warwick, LSE (Pol. Sci.), RATA Workshop, UR research day, 1st Annual Colombian Economics Conference.
2017 4th Workshop on Organized Crime, CIRANO Conference on Networks in Trade and Finance, U. del Rosario, IMEMC Conference at U. Nacional, U. de los Andes (Economics, Finance), U. Javeriana, Fudan-Latin America University Consortium (FLAUC).
2015 Applied Lunch Seminar at Stanford University.
2014 PEDL Research Workshop at Warwick University.
2013 IFMR Rural Finance (India), SCID Lunch at Stanford University.
2012 Central Bank of Chile and PUC-Chile (Economics).
2011 PUC Chile (Finance) and Annual Meeting of the Sociedad de Economía de Chile.

RELEVANT
EXPERIENCE

2015 Research assistant for Dave Donaldson, Stanford University.
2014 - 2018 Research Consultant, Uganda Public Procurement and Disposal of Public Assets Authority
2013 - 2014 Research assistant for Arun Chandrasekhar, Stanford University.
2013 Intern at IFMR Rural Finance, India.
2007 - 2012 Research assistant for Francisco Gallego, Jeanne Lafortune, Borja Larraín, Klaus Schmidt-Hebbel, and José Tessada, PUC Chile.

OTHERS

DEVPEC PhD Students Conference Founder and Organizer (2015, 2016).
Language: Spanish (native), English (fluent), Portuguese (basic).
Software: Stata, Matlab, LATEX, Python, Ghepi, and Gauss.

Last update: January 2019

Juan F. Vargas

Universidad del Rosario
School of Economics
<https://sites.google.com/site/juanfvargas/>

CONTACT	E-Mail: juan.vargas@urosario.edu.co Telephone: +57 (1) 297 0200 ext. 7828 Address: Cl 12c # 4-69, of. 315	
EDUCATION	Ph.D. in Economics, University of London	2007
	M.Sc. in Economics, Universidad de Los Andes	2003
	B.A. in Economics, Universidad de Los Andes	2002
EXPERIENCE	Full Professor of Economics, Universidad del Rosario	2012-present
	Research Economist, CAF-Development Bank of Latin America	2015-2018
	Visiting Professor, Università di Bergamo	2015
	Visiting Scholar, Research Department, IADB	2013
	Assistant Professor of Economics, Universidad del Rosario	2008-2012
	Visiting Fellow, Institute of Development Studies	2010
	Visiting Assistant Professor, UCLA	2007-2008
	Visiting Fellow, IQSS, Harvard University	2005-2007
	Research Assistant, Central Bank of Colombia	2001-2003
	Research Assistant, CEDE, Universidad de Los Andes	1999-2001
HONORS & AWARDS	President America Latina Crime & Policy Network (Al Capone)	2018-present
	LACEA Research Associate	2017 - present
	Distinguished Professor, Universidad del Rosario	2014
	RES/IFS Visiting Scholars Program (IDB)	2013
	MICROCON ICO Fund Award	2010
	Mentoring Program LACEA-PEG	2009
	Global Fellow, International Institute, UCLA	2007-2008
	Scholarship for PhD in Economics, Central Bank of Colombia	2004-2007
	ORS PhD Scholarship, British Government	2004-2006
	Thomas Holloway Scholarship, Royal Holloway, University of London	2003-2006

PUBLICATIONS

Journal Articles

26. "Endogenous Taxation in Ongoing Internal Conflict: The Case of Colombia", forthcoming **American Political Science Review**
25. "Inequality, Crime, and the Long Run Legacy of Slavery", forthcoming **Journal of Economic Behavior and Organization**
24. (2017) "Does the Unemployment Benefit Institution affects the Productivity of Workers? Evidence from the field", **Management Science** Vol. 63(11), p. 3691-3707

23. (2017) "The Crime Kuznets Curve", **Journal of Quantitative Criminology** Vol 33(4): 753-782
22. (2016) "The Need for Enemies", **Economic Journal** Vol. 126 (593): 1018-1054
21. (2016) "Economic Shocks and Crime: Evidence from the Crash of Ponzi Schemes", **Journal of Economic Behavior and Organization** Vol. 131: 263-275
20. (2016) "Colombia: Dealing with Conservation", **Science** Vol. 354(6309): 190
19. (2013) "Commodity Price Shocks and Civil Conflict: Evidence from Colombia", **Review of Economic Studies** Vol. 80 (4): 1384-1421
18. "Beyond Divide and Rule: Weak Dictators, Natural Resources and Civil Conflict", forthcoming **European Journal of Political Economy**
17. (2015) "True Believers, Deserters, and Traitors: Who Leaves Insurgent Groups and Why", **Journal of Conflict Resolution** 59(5): 794-823
16. "Colombia: Democracy, Violence, and the Peacebuilding Challenge", forthcoming **Conflict Management and Peace Science**
15. (2015) "Vote Choice and Legacies of Violence: Evidence from the 2014 Colombian Presidential Elections", **Research and Politics** Vol. 2 (2)
14. (2014) "Can SMS Technology Improve Low Take-up of Social Benefits?", **Peace Economics, Peace Science and Public Policy** Vol. 20(1): 61-81
13. "Conflict, Crime and Violence in Colombia", **Peace Economics, Peace Science and Public Policy** Vol. 20(1): 1-4 (2014)
12. (2012) "The Persistent Colombian Conflict: Subnational Analysis of the Duration of Violence", **Defence and Peace Economics** Vol. 23(2): 203-223
11. (2012) "Sovereign Risk and Armed Conflict: An Event-study for Colombia", **Defence and Peace Economics** Vol. 23(2), pp. 185-201
10. "Colombia: Introduction to a Special Issue of Defence and Peace Economics", **Defence and Peace Economics** Vol. 23(2): 107-108 (2012)
9. (2011) "Combatant Recruitment and the Outcome of War" **Economics of Governance** Vol. 12(1): 51-74
8. (2011) "Rebellion, Repression and Welfare", **Defence and Peace Economics** Vol. 22(5): 563-579
7. (2011) "Violence and Growth in Colombia: A Review of the Quantitative Literature", **The Economics of Peace and Security Journal** Vol. 6(2): 15-20
6. (2006) "The Severity of the Colombian Conflict Cross-Country Datasets versus New Micro Data", **Journal of Peace Research** 43(1): 99-115
5. (2004) "The Dynamics of the Colombian Civil Conflict: A New Data Set", **Homo Oeconomicus** 21(2): 396-428

4. (2014) "El Lado Oscuro de la Equidad: Violencia y Equidad en el Desempeño Escolar", **Desarrollo y Sociedad** 74(2): 309-334
3. (2012) "Seguridad Democrática, Presencia de la Policía y Conflicto en Colombia", **Desarrollo y Sociedad** 69(1): 11-32
2. (2003) "Políticas Públicas Universales o Focalizadas: Ventajas y Desventajas. El Caso del SISBEN en Colombia", **Revista Ruido Blanco** Vol 2. (1): pp. 19-33.
1. (2003) "Dolarizar, Flotar, Callar", **Ecos de Economía** No. 16: pp. 49-64

Book

(2017) Sanguinetti, Pablo y Juan F Vargas (Eds.) **Urban development and access to opportunities: a challenge for Latin America**, Report on Economic Development (RED) 2017, CAF-Development Bank of Latin America

Book chapters

8. (2019) "Crime, Economics of", forthcoming in Marciano, Alain, Ramello, Giovanni Battista (Eds.) **Encyclopedia of Law and Economics**, Springer
7. (2019) "Prisons", forthcoming in Marciano, Alain, Ramello, Giovanni Battista (Eds.) **Encyclopedia of Law and Economics**, Springer
6. (2016) "Strategic Atrocities: Civilians under Crossfire – Theory and Evidence from Colombia", in Charles Anderton and Jurgen Brauer (Eds.) **Economics Aspects of Genocides, Other Mass Atrocities, and their Prevention**, Oxford University Press: 425-451
5. (2016) "The social environment: enabling or limiting?", in Berniell, L., y D. de la Mata (Eds.) **More Skills for Work and Life: The contributions of Families, Schools, Jobs, and the Social Environment**, Report on Economic Development (RED) 2016, CAF-Development Bank of Latin America (Chapter 5)
4. (2014) "Inequidad Regional en Colombia", in Melendez, M. and A. Montengro (Eds.) **Equidad y Movilidad Social: Diagnósticos y Propuestas para la Transformación de la Sociedad Colombiana**, Ediciones Uniandes, p: 695-767
3. (2014) "Hitos del Conflicto y Riesgo Pas", in Arias, M. A., A. Camacho, A. M. Ibez, D. Meja and C. Rodriguez (Eds.) **Costos Económicos y Sociales del Conflicto en Colombia Cómo Construir un Posconflicto Sostenible?**, Ediciones Uniandes
2. (2012) "Costos del Conflicto y Consideraciones Económicas para la Construcción de Paz", in Rettberg, A. (Ed.) **Construcción de Paz en Colombia**, Ediciones Uniandes: 239-272
1. (2006) "El Conflicto Colombiano: Quién Hizo Qué a Quién – Un Enfoque Cuantitativo (1988-2003)" in Gutierrez, F. (Ed.) **Nuestra Guerra Sin Nombre**, Norma-Vital, Bogota: 505-540

TEACHINGCurrent teaching

Impact Evaluation (graduate), Political Economy (graduate) – U. Rosario

Past teaching

Conflict and Civil War (graduate and undergraduate), Development Economics (undergraduate), Macroeconomics (undergraduate), Principles of Economics (undergraduate) – U. Rosario

Program Evaluation (graduate) – U. Bergamo (2015)

Economics of Developing Countries (undergraduate) – UCLA (2008)

SERVICE

Chairman *America Latina Crime and Policy Network* (AL CAPONE) 2018-present

Editor

Associate editor *Defense and Peace Economics* 2016 -

Editorial board *Conflict Management and Peace Science* 2015 -

Editorial board *Peace Economics, Peace Science and Public Policy* 2014 -

Associate editor *The Economics of Peace and Security Journal* 2014 -

Guest editor *Conflict Management and Peace Science* 2016

Guest editor *Defense and Peace Economics*. Vol. 23(2) 2012

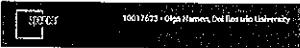
Guest editor *Peace Economics, Peace Science and Public Policy*. Vol. 20(2) 2014

Referee

American Economic Review (7), *Econometrica* (2), *Review of Economics Studies*, *Review of Economics and Statistics* (2), *American Political Science Review* (3), *American Journal of Political Science* (3), *American Economic Journal: Macroeconomics*, *Economic Journal* (2), *Journal of Development Economics* (3), *World Development* (2), *Economics and Politics*, *Journal of Development Studies*, *Defense and Peace Economics*, *Journal of Conflict Resolution* (3), *Journal of African Economies*, *Journal of Peace Research* (2), *Journal of Institutional Economics*, *International Review of Law and Economics*, *International Journal of Public Opinion Research*, *Desarrollo y Sociedad* (2), *Coyuntura Económica*, *Ensayos Sobre Política Económica*, *Economía Institucional*, *Revista de Economía del Rosario*, *Ensayos de Economía*, *Colombia Internacional*

LANGUAGES

Spanish (native), English (fluent), Italian (fluent), German (intermediate level)



Spencer Proposal E-Signature Request

Adobe Sign Document History

02/01/2019

Created:	02/01/2019
By:	Spencer Foundation (Adobe@spencer.org)
Status:	Signed
Transaction ID:	CBJCHBCAABAAX3nHhvuM93qhtNefefQBddLYzD3zzb0

"Spencer Proposal E-Signature Request" History

- Document created by Spencer Foundation (Adobe@spencer.org)
02/01/2019 - 9:26:17 AM PST - IP address: 35.182.17.125
- Document emailed to Carlos E. Sepulveda (linam.jaramillo@urosario.edu.co) for signature
02/01/2019 - 9:26:23 AM PST
- Document viewed by Carlos E. Sepulveda (linam.jaramillo@urosario.edu.co)
02/01/2019 - 10:38:45 AM PST - IP address: 201.234.181.230
- Document e-signed by Carlos E. Sepulveda (linam.jaramillo@urosario.edu.co)
Signature Date: 02/01/2019 - 11:09:12 AM PST - Time Source: server- IP address: 152.200.225.206
- Signed document emailed to Spencer Foundation (Adobe@spencer.org) and Carlos E. Sepulveda (linam.jaramillo@urosario.edu.co)
02/01/2019 - 11:09:12 AM PST