

## **JOSÉ DAVID LÓPEZ-RIVAS**

Ph.D. in Economics

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### **Education**

Ph.D. in Economics (2020). Universidad de Los Andes. Bogotá, Colombia.

M.Sc. in Economics (2019). Universidad de Los Andes. Bogotá, Colombia.

M.Sc. in Economics (2013). Pontificia Universidad Javeriana. Bogotá, Colombia.

B.Sc. in Environmental Management (2006). Universidad Tecnológica de Pereira. Pereira, Colombia.

### **Research Interests**

My research interest lies in the field of behavioral, environmental and resource economics. My focus is on the analysis of behavior, incentives, and institutions to overcome social and resource dilemmas. I use experimental, quasi-experimental, and observational methods to produce evidence in how individuals and society address environmental concerns and deal with the depletion of natural resources.

### **Dissertation**

Three essays on cooperation and water conservation. Behavior, incentives, and institutions.

- Paper 1: Applying the stick to excessive water use during a weather shock. Heterogeneous effects of an overprice policy in Colombia.
- Paper 2: Spreading the word! Diffusing a water conservation behavior with a normative informational campaign (JOB MARKET PAPER).
- Paper 3: What drives the household's pro-environmental behavior? Social norms and motivations on water conservation.

### **Work in progress**

- Changes in natural capital on Ecosystem Services. The cost of deforestation on water supply in Colombia. Joint with Juan Camilo Cardenas. 2019
- What evidence exist in marine and coastal ecosystem services? A systematic review." Joint with Juan Camilo Cardenas. 2019
- Community water- monitoring game: social capital and uncertainty. Joint with Juan Camilo Cardenas. 2019

### **Early research: articles and books**

- Accuracy estimation of a water-metering system. Entre Ciencia e Ingeniería. No. 14. With Guerrero, J. (2014)
- Regional Monitoring for water resource management. Universidad Tecnológica de Pereira. ISBN 978-958-722-109-1. With Cuervo, D; Sabas, C, Ramírez, A; Valencia, J;

Ramírez, A. I; Pulgarin, M & Ramírez, A. (2011)

- Using complexity as a financial strategy for monitoring water resources in environmental agencies in Colombia. Universidad Tecnológica de Pereira. ISBN 975-958-722-092-6. With Cuervo, D; Sabas, C. (2010)

## **Teaching**

### *Teaching assistant*

- MOOC Water: Abundance and scarcity in Latin America. In Universidad de los Andes. 64 hours. 2018-2, 2019-20.
- Microeconomics. In MA in Applied Economics (MECA). Universidad de los Andes. 64 hours. 2017- 1/ 2018-1.
- Environmental Economics. In MA in Applied Economics (MECA). Universidad de los Andes. 64 hours. In 2017-2.

### *Adjunct teacher*

- Economic Instrument of environmental policy. In MA in Environmental Management. Pontificia Universidad Javeriana. 36 hours. 2019-2.
- Biodiversity Conservation Systems. In MA in Conservation. Pontificia Universidad Javeriana. 36 hours. 2019-2.
- Environmental Economics. In Economics Department. Universidad Jorge Tadeo Lozano. Colombia. 64 hours. In 2015-2.
- Water Economics. In MS.c. in Water Resources. In Engineering. Universidad del Quindío. 36 hours. 2015-2.
- Introductory Economics. In Universidad Piloto de Colombia. 64 hours. 2015-1,2015-2, and 20161.
- Natural Resource Economics. In Universidad Piloto de Colombia. 64 hours. 2015-1.
- Social Projects Evaluation. In School of Environmental Sciences. Universidad Tecnológica de Pereira. 1024 hours. From 2010-2 until 2014-1.
- International Finance. In Fundación Universitaria del Área Andina – Pereira. 192 hours. 2014-1.
- Economics and sustainable development. In School of Agroindustry. Corporación Universitaria Santa Rosa de Cabal - UNISARC. Colombia. 32 hours. 2013-2.
- Human Capital. In Economics. Universidad Católica de Pereira. 64 hours. 2013-1.
- Microeconomics III. Universidad Católica de Pereira. 128 hours. In 2012-1/2012-2.
- Microeconomics I. Universidad Católica de Pereira. 192 hours. In 2012-1, 2012-2, 2013-1.
- Introductory Economics. Universidad Católica de Pereira de Pereira. 64 hours. In 2012-1.
- Introductory Economics. In School of Environmental S. Universidad Tecnológica de Pereira. 64 hours. In 2010-1.

## **Participation in Research**

2018-2020. CEDE. Universidad de los Andes. Bogotá, Colombia. Project BASIC-Cartagena.

2007-2014. Associate researcher in economic analysis. Water and Sanitation Research Group (GIAS). Universidad Tecnológica de Pereira, Colombia.

## **Working Papers**

Lopez-Rivas, J. Spreading the word! Effects from a social nudge on water conservation. A field experiment in small-urban villages in Colombia. Latin American & Caribbean Environmental Economics Program – LACEEP. <http://www.laceep.org/>

## **Presentation in Conferences**

- “Spreading the word! Effects from a social nudge on water conservation behavior. A randomized field experiment in Colombia.” 13<sup>th</sup> EfD Annual Meeting. Bogotá, Colombia. 2019. <https://efdinitiative.org/>
- “Spreading the word! Effects from a social nudge on water conservation behavior. A randomized field experiment in Colombia.” LACEA-LAMES. Puebla, México. 2019. <http://lacea-lamesmeeting.buap.mx>
- “What drives the pro-environmental behavior? Differences in what people say and do.” XVII Biennial IASC-Conference: In defense of the commons, challenges, innovation and action. Lima, Perú. 2019. <https://www.iasc2019.org>
- “Spreading the word! Effects from a social nudge on water conservation behavior. A randomized field experiment in Colombia.” World Congress of Environmental and Resource Economics -WCERE. Gothenburg, Sweden. 2018. <http://www.eaere-conferences.org/>
- “Stick approach to excessive water use. Does Group-Size matters? Evidence from a water-fines program in Colombia.” XVI Biennial IASC-Conference: Practicing the Commons, Self-governance, cooperation and institutional change. Utrecht, Holland. 2017. <https://www.iasc2017.org>

## **Grants & Awards**

2017. Grantee of Latin American & Caribbean Environmental Economics Program – LACEEP. Research: “Using Social Feedback to Promote Residential Water Savings.” <http://www.laceep.org/>.

2018. Best Paper of the Ph.D. in Economics program. School of Economics. Universidad de Los Andes.

2016. Distinguished graduate, environmental management program. Universidad Tecnológica de Pereira.