MANUEL FELIPE ROJAS ECHEVERRI

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CURRENT EMPLOYMENT

Secretaría Distrital de Desarrollo Económico: Researcher Dirección de Estudios Económicos.

EDUCATION

The Pennsylvania State University Ph.D. in Economics. *Thesis:* Essays on Non-Linear Pricing.

Universidad del Rosario

M.A. in Economics. *Thesis:* Los efectos de la productividad sobre la participación en grupos de capital social: Un estudio para firmas pequeñas e informales en Colombia.

Universidad Nacional de Colombia B.A. in Economics

FIELDS OF SPECIALIZATION

Applied Microeconomics, Public Economics, Labor Economics, Industrial Organization

WORKING PAPERS

Distributional Effects of a Nonlinear Price Scheme in Public Utilities Job Market Paper

Nonlinear pricing schemes are the primary instruments that policymakers use to ensure access to public utilities for low-income households while penalizing high-income households for overconsumption. In this paper, I evaluate the effectiveness of these pricing schemes and introduce a novel methodology to analyze their impact on the distribution of consumption and welfare in public utilities, with a specific focus on the case of water utilities in Bogotá, Colombia. To achieve this, I employ a combination of reduced-form and structural model techniques, leveraging Bogotá's unique context, where households have historically encountered diverse pricing schemes, including the introduction of additional nonlinear elements in the pricing scheme through a 2012 policy change. Notably, the results reveal that the nonlinear pricing scheme exhibits regressive characteristics, benefiting wealthier households with higher consumption levels and more significant welfare gains. Furthermore, the evidence suggests that income effects, driven by changes in the virtual incomes of households, are the primary driving force behind these outcomes. These findings underscore the necessity for an alternative approach to achieving more significant equity in the distribution of benefits within public utilities.

2024- Current

2018 - 2024

2014-2017

2009-2014

The Water Vital Minimum: Analyzing the Bogotá Free Water Policy

With Juan Miquel Gallego, Juan Daniel Oviedo, and Carlos Sepulveda.

Szabo (2015) analyzes the effects of a free water allowance in South Africa equal to the World Health Organization's recommended minimum. The author demonstrates that the free allowance acts as a lump-sum subsidy without significantly affecting water consumption. Furthermore, it is shown that it is possible to reallocate the current subsidy to form an optimal tariff without needing a free allowance. In this study, we revisit Szabo's analysis using data from Bogotá, Colombia, where a similar policy was implemented. First, employing the methodology proposed by the author, we successfully replicate the original results on consumption, revealing a minimal impact. Second, we reexamine the calculation of the price elasticities for water, identifying lower price elasticities. Third, we replicate the exercise of creating an optimal tariff that increases social welfare.

WORK IN PROGRESS

Social Norms and Caregiving Women: An Intervention to Promote Formal Labor Participation in Bogotá Fintech impact on Small Firms Child Penalty and the Informal Economy in Bogotá

TEACHING EXPERIENCE

The Pennsylvania State University	
Graduate Teaching Assistant: Economic Mergers (Undergraduate)	2023
Graduate Teaching Assistant: Sports Economics (Undergraduate)	2022
Graduate Teaching Assistant: Environmental Economics (Undergraduate)	2020-2022
Graduate Teaching Assistant: Intermediate Microeconomics (Undergraduate)	2020
Universidad del Rosario	
Teaching Assistant: Theory of Regulation and Informality (Undergraduate)	2017
Teaching Assistant: Mathematical Economics (Graduate)	2016

RESEARCH AND RELEVANT WORK EXPERIENCE

The Pennsylvania State University	
Research Assistant: Prof. Karl Schurter	Summer 2021, Summer 2022, Summer 2023
Leico Consultores	
Economic Analyst	2017-2018
Universidad del Rosario	
Research Assistant: Prof. Juan Daniel Oviedo	2014-2018
GRANTS AND AWARDS	
Science Ministry of Colombia Scholarship	2020-2022
Banco de la República de Colombia Scholarship	2018-2022
COLFUTURO Scholarship	2018-2020

CONFERENCE AND SEMINAR PRESENTATIONS

LACEA-LAMES (Montevideo, Uruguay)	2024
IAES 96th Conference (Philadelphia, PA)	2023

LANGUAGES

Spanish (Native), English (Fluent).

COMPUTATIONAL SKILLS

LATEX, Julia, Matlab, Stata, R, Python

REFERENCES

Joris Pinkse Professor in Economics Department of Economics Pennsylvania State University +1 (814) 863 0508 joris@psu.edu Karl Schurter Assistant Professor of Economics Department of Economics Pennsylvania State University +1 (814) 865 2201 kschurter@psu.edu Michael Gechter Assistant Professor of Economics Department of Economics Pennsylvania State University. +1 (814) 867 3308 mdg5396@psu.edu