

# Juan José Ferro Hoyos

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Third year PhD student in the economics department at Universidad de los Andes (Bogotá, Colombia). Interested in Crime economics, Public Economics and the study of Social Norms.

## WORKING PAPERS

### **The role of legitimacy on deterrence: a speed-control intervention**

Abstract: The deterrence effect of legal sanctions has been widely studied and measured. Less attention has been given to the mechanisms by which some sanctions are more deterrent than others. This paper suggests one possible mechanism: the legitimacy of legal sanctions. I present a model in which individuals respond to a legal sanction for previously non-regulated behavior. An implication of the model is that more legitimate sanctions, those with higher social acceptance of the mandated behavior, cause a larger change in the targeted behavior. I test this hypothesis on the *Cámaras Salvavidas* Program, a speed-control intervention in Bogotá, Colombia.

### **Police scandals and deterrence: an exploration from traffic offenses and accidents**

Abstract: Increasing the deterrent effect of sanctions is a pressing public policy issue in many areas where state capacity to punish all wrongdoers is limited. This paper uses traffic tickets and road accidents in Bogotá, Colombia to study if sanctions imposed by less legitimate authorities are less deterrent. My estimation compares the behavior of drivers that get their tickets on days just after a police scandal with drivers that get their ticket in non-scandal days. In my preferred estimation drivers that get their tickets just after a police scandal are 11% more likely to be in an accident in the following six months. This result is concentrated on tickets given in person (as opposed to camera tickets) and four-wheel vehicles. In the conclusion I argue that the results point to increasing legitimacy of existing sanctions as being a more urgent need than increasing the number of ticketed drivers.

## CONTACT INFORMATION

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## PERSONAL INFORMATION

Sex: male, he/him  
Citizenship: Colombian

## EDUCATION

**Universidad de los Andes, Bogotá, Colombia**

### **PhD in Economics**

Third year student. All coursework completed.  
Advisors: Jose Alberto Guerra and Ignacio Sarmiento Barbieri.

### **Master in Economics, 2020.**

Research thesis: *The role of gender and sexuality stereotypes on teenage childbearing in Colombia.*  
Director: Darío Maldonado, School of government, Universidad de los Andes.  
Elective courses: Experimental economics, Impact evaluation: statistics and economics, The economics of cities.

**New York University, New York, EE.UU.**

**Master of Fine Arts, Creative Writing in Spanish, 2014.**

**Universidad de los Andes, Bogotá, Colombia**  
**Bachelor of Arts, Political Science, 2012**

**Universidad de los Andes, Bogotá, Colombia**  
**Bachelor of Arts, Law, 2011**

## **TEACHING EXPERIENCE**

<b>Advanced microeconomics (masters and Phd course)</b> (Teaching assistant to Paula Jaramillo and José Guerra)	Fall 2024
<b>Game theory</b> (Summer course instructor)	Summer 2024
<b>Microeconomics 101</b> (Teaching assistant to José Guerra and Andrés Moya)	Spring 2024
<b>Introductory microeconomics (master level course)</b> (Teaching assistant to Andrés Álvarez)	Spring 2024
<b>Advance econometrics (Phd course)</b> (Teaching assistant to Oscar Becerra)	Fall 2023

## **WORK EXPERIENCE**

Universidad Externado de Colombia, Bogotá, Colombia.  
Director, Center for Writing and Reading, School of Law, January 2017 –August 2021

Universidad Nacional de Colombia, Bogotá, Colombia.  
Adjunct Professor, Master in Creative Writing, January 2018 –

Lösung Consultores, Bogotá, Colombia.  
Consultant. October 2015 -December 2019.

## **OTHER**

**Software and programming:** Stata, R.

**Languages:** - Spanish (native).  
- English (excellent). TOEFL 112/120.  
- French (basic knowledge)

**Other interests:** Literature. Author of the novel Experimental Economics (angosta editores, 2023), National Prize of Literature of Colombia for unpublished novels in 2022.