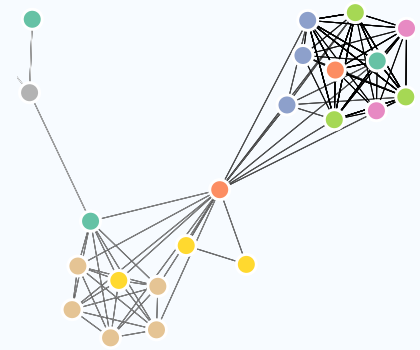# HANS MARTINEZ

Economics Ph.D. Candidate at Western University interested in Empirical Industrial Organization and Applied Microeconomics.

🎓 EDUCATION

Current | 2019

PhD. in Economics, Candidate
University of Western Ontario 📍 London, ON

· Relevant courses: Econometrics, Advanced Econometrics, Machine Learning, Empirical Industrial Organization

2016 | 2014

M.S. in Economics and Industrial Organization
UANL 📍 MEX

· Thesis: e-Rational Voters: Measuring the Effects of Internet and Media Freedom on the Political Budget Cycle in a Weak Democracy

2011 | 2009

M.A. in Business Management
UVM 📍 MEX

· Major in Financial Engineering

2008 | 2004

B.S., Engineering
UVM 📍 MEX

🖥 TEACHING EXPERIENCE

Current | 2019

Graduate Teaching Assistant
University of Western Ontario 📍 London, ON

· Microeconomics and Macroecnomomics TA for Leigh McDonald, Shahed Khan, M. Hossain, and S. Cho

2022 | 2022

Econometrics I: ECON2122
University of Western Ontario 📍 London, ON

· I taught intro to econometrics during 2022 summer

2019 | 2018

Lecturer: Mathematics for Economists
UANL 📍 MEX

View this CV online

CONTACT

✉ hmarti33@uwo.ca
🐦 Hans_Mtz
⌨ hans-mtz
in hansmartinez

SOFTWARE

R/ Rstudio /Rmarkdown
Julia
Stata
Fortran
Python

LANGUAGES

English
French
Spanish

Last updated on 2023-01-18.

💻 RESEARCH EXPERIENCE

Current | 2020

Graduate Research Assistant
University of Western Ontario 📍 London, ON

- I have worked as an RA for Salvador Navarro, David Rivers, Juan Carlos Hatchondo, and more recently for Roy Allen

2019 | 2016

Economics Researcher
Economics Research Centre, Faculty of Economics, UANL 📍 MEX

- Succesfully led a project to develop competitiveness index for the municpalities of the NL state government
- Analyzed and visualized survey data. Presented summary to client.
- Prepared successful project proposals, project reports and results summaries. Prepared successful project proposals.

📄 WORKING PAPERS

2023

Tax Evasion and Productivity

- Corporate tax evasion through cost overreporting is a widespread and significant problem for developing and developed countries. Detecting and measuring this type —or any type— of tax evasion remains a challenge, however, even for governments with detailed administrative data. Moreover, if cost overreporting is so large and widespread, our firm-level productivity estimates are likely biased. I provide a new estimation strategy to recover cost overreporting using commonly available data like manufacturing surveys. Then, I show that ignoring cost overreporting leads to downward biased productivity estimates. Finally, I show how to recover productivity in the presence of tax evasion.

2022

Cournot Rationalizability and Measurement Error

- This paper introduces measurement error to the Revealed Preference test of the Cournot Model. In contrast to the standard approach, the Revealed Preference analysis relies only on shape restrictions, i.e., the convexity of the firm's cost function, but otherwise, no parametric assumptions are needed. In the application for the international market of crude oil, measurement errors might arise in the production quantities data due to the consolidation of information or coordination mistakes. Once measurement error is incorporated, the method requires a centering condition. Here, I assume that the quantity mismeasurement is uncorrelated with prices. In contrast to the deterministic version of the test, the Cournot model hypothesis can no longer be rejected.

📚 ACADEMIC PUBLICATIONS

2019 ● **Is Internet Access Bad News for Media-Capturing Incumbents?**[1]

Journal of Applied Economics. Vol. 22, No. 1, pp. 527-553.

· with C. Gámez

2019 ● **Compra y Coerción del Voto en el Estado de Nuevo León** *Vote buying and coercion in the State of Nuevo Leon*[2]

In *Perfiles del Electorado Nuevoleonés*. Centro de Investigación para el Desarrollo Democrático de Nuevo León del CEENL.

· with J. Chapa & E. Ayala

2019 ● **Índice de competitividad municipal del estado de Nuevo León** *Competitiveness index for the municipalities of the state of Nuevo Leon*[3]

Secretaría de Economía y Trabajo de Nuevo León

· with J. Chapa & B. Bedoy

💼 INDUSTRY EXPERIENCE

2014
|
2008 ● **Project Manager; Sourcing Buyer**

Whirlpool   📍 MEX

· Coordinated multidisciplinary teams to introduce new parts into production
· Managed supplier relationships. Negotiated prices, contracts and terms of service

🔗 LINKS

1: https://doi.org/10.1080/15140326.2019.1673082
2: https://www.ceenl.mx/perfiles/documentos/perfiles_libro_2019.pdf
3: https://www.nl.gob.mx/publicaciones/indice-de-competitividad-municipal

Before getting into the Ph.D. program I worked in the manufacturing industry in strategic sourcing and project management areas. I developed skills that are relevant to thrive under high stakes and time-constraint environments such as time management, setting priorities right, communication skills, work under pressure, coordination of multidisciplinary teams, negotiation skills, among others.