

# HANS MARTINEZ

Economics Ph.D. Student at Western University with experience in empirical research, consulting and project management.

*Enhancing Data Science and Machine Learning with Economics*

## Soft Skills      Technical Skills

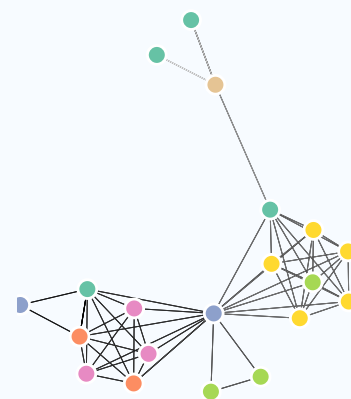
Critical thinker      Data Science and Machine Learning  
Grit                      Econometric Modeling  
Leadership              Data Visualization

## EDUCATION

- 2023  
|  
2019
- **PhD. in Economics, Student**  
University of Western Ontario      📍 London, ON
- Relevant courses: Econometrics, Advanced Econometrics, Machine Learning, Empirical Industrial Organization
- 2016  
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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  
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2009
- **M.A. in Business Management**  
UVM      📍 MEX
- Major in Financial Engineering
- 2008  
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2004
- **B.S., Engineering**  
UVM      📍 MEX

## RESEARCH EXPERIENCE

- 2020  
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2020
- **Graduate Research Assistant**  
University of Western Ontario      📍 London, ON
- Estimation of econometric models to asses financial and macroeconomic variables of developing countries, including data sourcing and analysis.
- 2019  
|  
2016
- **Economics Researcher**  
Economics Research Centre, Faculty of Economics, UANL      📍 MEX
- Succesfully led a project to develop competitiveness index for the municipalities 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.



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## CONTACT

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🐦 [Hans\\_Mtz](#)  
🌐 [hans-mtz](#)  
in [hansmartinez](#)

## SOFTWARE

R/ Rstudio /Rmarkdown	
Stata	
Julia	
Fortran	
Python	

## LANGUAGES

English	
French	
Spanish	

*Last updated on 2021-02-08.*

## 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

## TEACHING EXPERIENCE

2021  
|  
2019

### ● **Graduate Teaching Assistant**

University of Western Ontario

📍 London, ON

- Served as TA for Principles of Microeconomics and Macroeconomics for the Fall and Winter terms

2019  
|  
2018

### ● **Lecturer: Mathematics for Economists**

UANL

📍 MEX

## ACADEMIC PUBLICATIONS

2019  
|  
2019

### ● **Is Internet Access Bad News for Media-Capturing Incumbents?**

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

- with C. Gámez

2019  
|  
2019

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

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

- with J. Chapa & E. Ayala

2019  
|  
2019

### ● **Índice de competitividad municipal del estado de Nuevo León *Competitiveness index for the municipalities of the state of Nuevo Leon***

Secretaría de Economía y Trabajo de Nuevo León

- with J. Chapa & B. Bedoy

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.

My experience in research has been in applied statistic and econometric modeling. Starting with a clear question and figuring out the best way to answer it with the best data we could get and the best model we could use. Whether it was a question that came from a client or from personal interest, the process it is interesting and fulfilling.