

# ADRIANA ALEJANDRA LÓPEZ ESPINO

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## EDUCATION

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### **The Pennsylvania State University**

*August 2015- present*

Ph.D. Economics.

Research areas: international trade, applied econometrics and computational analysis.

### **Instituto Tecnológico Autónomo de México**

*January 2015*

Completed 66/78 credits toward an M.A. degree in Economic Theory.

### **Instituto Tecnológico Autónomo de México**

*December 2013*

B.A. Economics — economic theory track.

## EXPERIENCE

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### **Economics Department**

*Summer 2018,2022*

*Instructor*

*The Pennsylvania State University*

- ECON 306 - Introduction to Econometrics.
- ECON 106 - Statistical Foundations for Econometrics.

### **Economics Department**

*Fall 2015- Spring 2022*

*Teaching Assistant*

*The Pennsylvania State University*

- Undergrad-level courses on macroeconomics, microeconomics, and labor economics.
- Developed an R routine that analyzes student's outcomes in relation to their studying methods and class participation.
- Masters-level course on applied microeconometrics and dissertation essay writing.

### **Research Policy and Public Engagement**

*Summer 2021*

*Dissertation Fellow*

*Federal Reserve Bank of Chicago*

- Paid in-residence fellowship where I conducted my dissertation research.

### **Dirección General de Investigación Económica**

*Fall 2020*

*Research Intern*

*Mexican Central Bank (Banxico)*

- Participated in the Summer Research Program.

### **Economics Department**

*June- December 2017*

*Research Assistant*

*The Pennsylvania State University*

- Worked on the processing of satellite images to extract spatial features. Conducted the execution, coding, and management for computationally intensive estimations using PSU's high-performance computer cluster (Prof. Michael Gechter).

### **Dirección General**

*May- July 2015*

*Consultant*

*Proméxico*

- Worked on evaluating the performance of the Proméxico federal fund and designed the fund's second chapter. The objective of the fund is to promote FDI in Mexico via investment subsidies.

### **Centro de Investigación Económica**

*August 2013- January 2015*

*Research Assistant*

*Instituto Tecnológico Autónomo de México*

- Assistant on the project: Rahul Giri, Kensuke Teshima and Enrique Seira (2013) *“Exporters During the Trade Collapse: The (Surprising) Resiliency of the small Exporter”*

#### **Unidad de Política de Ingresos Tributarios**

January-August 2013

*Research Assistant*

*Secretaría de Hacienda y Crédito Público*

- Assistant in the development and design of alternative policy proposals for income, fiscal and tax incentives. Evaluation of the revenue effect of tax reforms to promote better income distribution and increase tax revenue.

#### **Unidad de Planeación Económica de la Hacienda Pública**

September- December 2012

*Research Assistant*

*Secretaría de Hacienda y Crédito Público*

- Assistant in the preparation of the document *Criterios Generales de Política Económica 2013* (General Guidelines of Public Policy) and other projects.

#### **Centro de Investigación Económica**

January- August 2012

*Research Assistant*

*Instituto Tecnológico Autónomo de México*

- Assistant on the project: Martinelli, Parker and Teshima (2012) *“Social Stigma and Overreporting in Social Programs”*

### **TECHNICAL AND LANGUAGE SKILLS**

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**English**

Fluent

**French**

CEFR level C1

**Programming Languages**

R, Python, Bash, SQL, Cypher,

**Softwares and Packages**

ArcGIS, Git, iGraph, LaTeX, Mathematica, Matlab, neo4j, NetworkX, Spark, Arrow, SpFeas, SQLite, Stata, Vim, Zotero.