

ADRIANA ALEJANDRA LÓPEZ ESPINO

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<https://alopezespino.github.io>

EDUCATION

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

Economics Department

Fall 2015- present

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 participation in class.
- Masters-level course on applied microeconometrics (Prof. Mark Roberts)

Economics Department

Summer 2018

Instructor

The Pennsylvania State University

- Taught the online summer session for ECON 106: Statistical Foundations for Econometrics.

Economics Department

June- December 2017

Research Assistant

The Pennsylvania State University

- Worked on 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 the evaluation the performance of Proméxico federal fund and designed the fund's second chapter. The objective of the fund is to promote FDI in México 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*Research Assistant*

September- December 2012

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*Research Assistant*

January- August 2012

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

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, SpFeas, SQLite, Stata, Tidyverse, Vim, visNetwork, Zotero.