Omar Uriel Espejel Díaz

University of London, London, United Kingdom
(Hyperlinks in red font)

Email : oue1@student.london.ac.uk
Cell phone : +52-1-553-484-3784
Mexico City, Mexico

I am a student and professional of economics with three years of experience in applied economics research, specializing in anti-corruption issues. I have worked for two years with Dr. Viridiana Ríos, PhD in Government from Harvard University, writing academic research on violence and corruption. I was Teaching Assistant of the GOVT S-1115: Corruption and Inequality class at Harvard Summer School. I coauthored with Viridiana Ríos the paper "Corruption Type and Income Inequality in Latin America" currently in revision at The Journal of Development Studies. I have experience in cleaning and processing large datasets of all kinds (see R code to create a municipal dataset on the electoral results in Mexico here and here). I am also a pragmatic professional who applies all the technological tools within my reach, including intensive programming in languages such as R, Stata and Python, to achieve the established objectives.

EDUCATION

- **University of London** — London, UK
  B.Sc. Economics and Politics — *Sep. 2014 - Jun. 2019*
  - ○ **LSE**: The B.Sc. in Economics and Politics is in charge of the London School of Economics.
  - ○ **Distinctions**: Expected First Class Honours Degree. Honours in Introduction to Economics, Microeconomics and Comparative Politics; Merit in Macroeconomics and Calculus.

LABOUR AND RESEARCH EXPERIENCE

- **Anti-corruption consultancy for Oxfam Mexico** — Mexico
  Junior researcher — *Oct. 2017 - Aug. 2018*
  - ○ **Work done**: I worked with Dr. Viridiana Ríos as a non-profit entrepreneur. I was charged with massive data-extraction, cleaning and analysis of over 1,800 public audits. For this purpose, I programmed algorithms in the open-source language R. As a result, I:
  - ○ **Computed corruption indicator**: Created the first objective corruption indicator in Mexico. This indicator ranks public dependencies by number and amount of irregularities found.
  - ○ **Project**: Wrote a report outlining information usage recommendations and describing the mechanics of public resources misuse. The ranking became part of the FuisteTú? Project.

- **Purdue University** — Indiana, US
  Research Assistant — *Sep. 2016 - Jul. 2018*
  - ○ **Work done**: I supported Dr. Viridiana Ríos, professor at Purdue University and Harvard Summer School, in research work: preparation of articles on crime, poverty and corruption in Mexico, and on economic and social indicators for the Data Coparmex project.

- **Harvard University Summer School** — Massachusetts, US
  Teaching assistant — *Apr. 2017 - Jul. 2017*
  - ○ **Work done**: I assisted Dr. Viridiana Ríos. Exams and study material were written for the GOVT S-1115 class: Corruption and Inequality.

- **México ¿Cómo Vamos?** (Mexico, How Are We Doing?) — Mexico
  Research Assistant — *Apr. 2015 - Dec. 2015*
  - ○ **Work done**: I supported the Think Tank research and colaborated in the design of economic indicators by developing R-language code for automating the periodic indicators generation.

RESEARCH AND PUBLICATIONS

- **Corruption Type and Income Inequality in Latin America** — Oxford, UK
  Manuscript submitted for review to The Journal of Development Studies — *2018*
  - ○ **Research**: The paper is currently awaiting an answer from The Journal of Development Studies. It was co-authored with Dr. Viridiana Ríos, professor at Purdue University and Harvard Summer School.

- **Looking South: Analysis of the Trade Between Mexico and Latin America** — Mexico
  To be published in the Comercio Exterior magazine — *2018*

- ○ **Research**: The paper was awarded the Single Prize in the Young Researchers category of the *Comercio Exterior* magazine award in 2017.
- **Corruption, Growth and Inequality: the Case of Latin America**   Buenos Aires, Argentina
  Published in Anales, Asociación Argentina de Economía Política (AAEP)   *2017*
  - ○ **Research**: The paper was credited the nomination for the Young Economist Award by the AAEP and was presented at the LII Annual Meeting in Río Negro, Argentina.
- **3 Factors to Reduce Poverty**   Mexico
  Published in the Revisión Legal y Económica (Legal and Economic Review) (ITAM)   *2015*
  - ○ **Research**: Selected to be published in the Legal and Economic Review of ITAM.

Awards and scholarships

- **Scholarship for research on social mobility in Mexico**   Mexico
  Espinoza Yglesias Research Center (CEEY)   *Mar. 2018 - Sep. 2018*
- **Postulated; Young Economist Award**   Buenos Aires, Argentina
  Argentine Association of Political Economy   *2017*
- **Award Winner; *Revista Comercio Exterior* (Foreign Trade Magazine) Award**   Mexico
  Banco Nacional de Comercio Exterior (National Bank of Foreign Trade)   *2017*
- **Finalist; Falling Walls Lab Mexico**   Mexico
  German Academic Exchange Service (DAAD) and The Goethe-Institut   *2017*
- **Leader of finalist team; *Reto del Banco de México* (Bank of Mexico challenge)**   Mexico
  Bank of Mexico   *2016*

Conferences and presentations

- **IX Summer School on Social Mobility of the Espinoza Yglesias Research Center**   Mexico
  'Of unskilled jobs and progress' was presented   *Jun. 2018*
- **LII Annual Meeting of the Argentine Association of Political Economy**   Río Negro, Argentina
  'Corruption, growth and inequality: the case of Latin America' was presented   *Nov. 2017*
- **Falling Walls Lab Mexico**   Mexico
  'Breaking the wall of corruption' was presented   *Aug. 2017*
- **Bank of Mexico challenge**   Mexico
  'Monetary policy recommendation' was presented   *May. 2016*

Other education

- **Specialization in Deep Learning**   Coursera
  Specialization by deeplearning.ai   *Jan. 2018 - Aug. 2018*
  - ○ **Programme**: In the five specialization courses, the student learns to implement convolutional networks, recurrent neural networks, LSTMs, Adam, Dropout, BatchNorm, Xavier/He initialization, etc. All these ideas are practiced in TensorFlow.
- **Specialization in Data Science**   Coursera
  Specialization by John Hopkins University   *Sep. 2014 - (unfinished)*
  - ○ **Programme**: The statistical programming language R. is used. Four specialization courses were completed.
- ***Bloomberg Essentials Training Program***   Bloomberg
  Programme by Bloomberg Professional Services   *May. 2016*
  - ○ ***Programme***: Teaches the basics of Bloomberg's professional financial information system. The subprograms of fixed income, commodities and currencies were taken.

Relevant software

- **R, Stata, Python, Latex, Bloomberg Terminal, Java and SQL.**:

Competencies

- **Econometrics, Machine Learning / Deep Learning, Applied Research, Applied Statistical Analysis, Entrepreneurship, Social Awareness, Work Under Pressure, Leadership.**: