

# JESICA MARIA RAMIREZ TOSCANO

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## EDUCATION

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| <b>Harris School of Public Policy, University of Chicago</b><br>Master of Science in Computational Analysis and Public Policy | <i>September 2019 - Present</i>                                      |
| <b>Universidad de las Américas Puebla, Mexico</b><br>Bachelor of Arts in Economics  | <i>August 2012 - June 2017</i><br><i>Magna Cum Laude Distinction</i> |
| 1st Place in the Empirical Research Thesis Competition in Puebla State  | July 2017  |

## PROFESSIONAL EXPERIENCE

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| <b>Deep Dive</b><br><i>Data Science Intern (Part-time)</i>  | <i>June 2020 - August 2020</i>  |
| <ul style="list-style-type: none"><li>· Collaborated in the development of the company's NLP toolkit.</li><li>· Used various NLP methods such as LDA and Clustering of Word Embeddings and Document Embeddings to classify and group more than 50,000 Mexican News.</li></ul>   |   |
| <b>Mexican Embassy at Washington D.C.</b><br><i>Analyst Intern (Part-time)</i>  | <i>June 2020 - August 2020</i><br><i>Immigration Department</i>                     |
| <ul style="list-style-type: none"><li>· Studied the evolution of the anti-immigrant sentiment in the U.S. through the analysis of hate groups and hate crime data.</li><li>· Built an interactive dashboard with R and Shiny that maps anti-immigrant hate groups and anti-Hispanic hate crimes in the U.S.</li></ul>   |   |
| <b>Banco de México (Central Bank)</b><br><i>Economist in the Directorate of Economic Studies</i>  | <i>August 2017 - August 2019</i><br><i>General Directorate of Economic Research</i> |
| <ul style="list-style-type: none"><li>· Assessed the tone of communication of Banco de Mexico's policy statements using text mining techniques.</li><li>· Collaborated in the inflation expectations and financial markets sections for the monetary policy reports and quarterly public reports of the Bank of Mexico. I was responsible for the analysis of the evolution of the Mexican Peso and inflation expectations.</li><li>· Analyzed market instruments such as inflation-indexed bonds or swaps of the inter-bank interest rate to obtain implied inflation expectations, risk premium and expected target rate.</li></ul> |   |
| <b>AutoTodo Mexicana</b><br><i>Data Analyst</i>   | <i>January 2017 - July 2017</i><br><i>E-commerce Department</i>                     |
| <ul style="list-style-type: none"><li>· Estimated the potential domestic demand for Mexican Auto-parts in the E-commerce scope.</li><li>· Designed the structure of a website traffic report through Google Analytics in order to track the users that get into the new E-commerce website of AutoTodo.</li></ul>   |   |

## SKILLS

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| <b>Languages</b>            | English & Spanish (Fluent), & French (Intermediate-B1)                             |
| <b>Programming Skills</b>   | Intermediate level in R, Python and SQL.<br>Familiar with HTML and $\text{\LaTeX}$ |
| <b>Software &amp; Tools</b> | Proficient with Word, PowerPoint & Excel. Intermediate level in Stata and E-views. |