

Joel Castillo Espinosa

(+52) 552 267 5611 | jocastillo@colmex.mx | [LinkedIn](#) | [Website](#)

Economist with experience in research and applied economics for different topics: inflation, expectations, climate change, and agriculture. I am passionate about applied economics, data science, and statistical programming. I constantly strive to improve my skills and abilities.

EXPERIENCE

Banco de México

Sept. 2022 – Present

Economist

- Research and assistance for Working Papers in different economic topics: inflation, expectations, and climate change.
- Working team in the Banxico's Survey of Expectations of Private Sector Economic Specialists
- Analysis and report of relevant economic variables that help to make the Central Bank's Monetary Policy.

Servicio de Administración Tributaria

Oct. 2021 – Aug. 2022

Head of Department

- Designed and actualized of services for the taxpayers. Developed a new method for the assign of Fiscal Obligations to the taxpayers.
- Assisted as specialist in regulation of Fiscal Obligations for the internal areas.

Revista Mexicana de Economía Agrícola y de los Recursos Naturales

July 2018 – May 2019

Design Specialist

- Designed and structured the content and publication of the Review. Organized and compiled the Working Papers for the Review.

EDUCATION

El Colegio de México

Jul. 2019 – Jun 2021

Master in Economics

Mexico City, Mexico

Thesis: Efectos del TLCAN en el sector agrícola de México: Una aplicación del Método de Control Sintético.

Universidad Autónoma Chapingo

Aug. 2013 – Jun 2018

Bachelor in International Trade

Texcoco, Mexico

Thesis: Análisis del mercado interno y Comercio Exterior de la carne porcina en México.

SKILLS

Data Analysis

- Experienced in data analysis, with strong skills in cleaning, transforming, and interpreting complex datasets. Proficient in using statistical methods and tools to extract relevant information. Capable of visualizing data effectively to communicate findings clearly.

Applied Economics

- Skilled in applied economics, with a strong background in using economic theories and quantitative methods. Experienced in interpreting economic data and applying econometric techniques applied to economic research.

Data Science / Machine Learning

- Applied Support Vector Machines (SVM) and K-Nearest Neighbors (KNN) for classification tasks, utilized regression models, decision trees/random forests, and ensemble techniques for prediction, optimizing model performance and accuracy. Applied text mining methods for processing and analyzing large textual datasets, extracting meaningful patterns and trends.

LANGUAGES & SOFTWARE SKILLS

Language Skills: Spanish (Native), English (Intermediate), French (Intermediate DELF B1)

Software Skills: R, Stata, Python, Eviews, SQL, Github, L^AT_EX