

Jorge Luis Ramos Zavaleta

Data Scientist

Work Experience

- August 2021 - **Lecturer**, *Monterrey Institute of Technology and Higher Education*, Monterrey, Nuevo León, Departament of Computing, School of Sciences and Engineering.
Currently Teaching a subject about Data visualization and storytelling to multidisciplinary groups by using BI software or programming languages and tutor in the master of applied artificial intelligence
- August 2022 - **Enterprise Data Custodian**, *Johnson Controls*, Monterrey, Nuevo León.
July 2023 In charge for reviewing data dictionaries quality, cleansing of databases to support the information integration into an unified framework. Development and maintenance of dashboards for different purposes like measure performance of requestors, employees and other trackers. Construction of pipelines for databases cleansings.
- November 2020 - **Data Scientist**, *Teleperformance*, Monterrey, Nuevo León, Development of analytic processes to allow continuous improvement of different metrics for the different customers.
- August 2022 Leading and supporting statistical and analytics projects in different areas like recruitment, training and IT.
- December 2019 - **Loyalty Coordinator**, *Farmacias del Ahorro*, Monterrey, Nuevo León, Creation of metrics to find fraud detection and robbery in membership card balance. Implementation of statistical analysis for the different areas of marketing and support for operations decisions including development of clients customers to customize promotions. Automation of several processes.
- November 2020
- April 2020 - **Data Analytics Bootcamp Instructional Staff**, *Monterrey Institute of Technology and Higher Education*, Remote, Advisor in the implementation of statistical methodologies and conflict resolution in the execution of the different technologies that are faced in the course: VBA, Python, MongoDB, Javascript, D3.js, Tableau.
- September 2020
- July 2019 - **Data Scientist**, *Northware*, Monterrey, Nuevo León, Implementation of an algorithm to extract affinity rules to stablish recommendations of products for second effort sales.
- November 2019 Creation of a pricing model to generate optimal pricing considering elasticities of the products.

One-Time Projects

- February 2019 - **External Consultant**, *Qualtia Alimentos*, Monterrey, Nuevo León, Elaboration of a methodology to stablish balance points for commercial vehicles and detection of extreme behaviors for such vehicles.
- July 2019
- January 2019 **Statistical Analyst**, *CIMAT*, Monterrey, Nuevo León, Creation of a model to measure percentage of pollutants for different inputs used for the steel mixture of a foundry company.

<https://www.linkedin.com/in/jorgeramos01/>

<https://github.com/JorgeRamos01>

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June 2018 - **Statistical Analyst**, *National Laboratory of Public Policy (LNPP)*, Ciudad de México.
August 2018 Handling of databases of state and federal social policies. Analysis of social policies for Mexico city based on the concept of coherency in public policy. Development of an informative dashboard in shiny with R, this dashboard can be consulted in <http://politicassociaintegral.lnpp.cide.edu/>.

Education

- 2017-2019 **MSc in Statistical Computing**, *Center for Research in Mathematics*, Monterrey, Nuevo León.
2010-2014 **BSc in Mathematics**, *University of Veracruz*, Xalapa, Veracruz.
2005-2010 **BSc in Economics**, *University of Veracruz*, Xalapa, Veracruz.

Achievements

- 2022 First place in the International Contest: "Rest-Mex 2022: Recommendation System, Sentiment Analysis and Covid Semaphore Prediction for Mexican Tourist Texts" in the Covid Semaphore Prediction task.
2022 Honour mention in the International Contest: "Rest-Mex 2022: Recommendation System, Sentiment Analysis and Covid Semaphore Prediction for Mexican Tourist Texts" in the Sentiment Analysis task.
2021 First Place in the International Contest: "REST-MEX: Recommendation System for Text Mexican Tourism" in the recommendation system task.

Skills

Programmng Python (Advanced), R (Advanced), C++ (Intermediate), MATLAB (Intermediate),
Languages: Javascript (Basic).
Visualization: Tableau, PowerBI, Shiny-GGPlot, Dash-Seaborn.
Databases SQL Server, MongoDB, MariaDB, PostgreSQL
managers:
Others: Snowflake, DataBricks

Languages

Spanish: Native
English: Advanced

Publications

Jean Arreola, Lizeth Garcia, Jorge Ramos-Zavaleta, Adrian Rodríguez. (2021). **An Embeddings Based Recommendation System for Mexican Tourism. Submission to the REST-MEX Shared Task at IberLEF 2021**. In Proceedings of the Third Workshop for Iberian Languages Evaluation Forum.
Daniel Mendoza, Jorge Ramos-Zavaleta, Adrian Rodríguez. (2022). **A Transfer Learning Model for Polarity in Touristic Reviews in Spanish from TripAdvisor**. In Proceedings of the Fourth Workshop for Iberian Languages Evaluation Forum.
Jorge Ramos-Zavaleta, Adrian Rodríguez. (2022). **A Mexico's Covid Traffic Light Color Prediction System Based on Mexican News** In Proceedings of the Fourth Workshop for Iberian Languages Evaluation Forum.

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