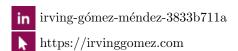
IRVING GÓMEZ MÉNDEZ





Summary

I am a mathematician that merges the experience in applied statistics and data science with a solid theoretical background in statistics (Regression, Inference, Multivariate Analysis, etc.) and machine learning (Random Forests, Neural Networks, SVM, Recommender Systems, etc.) who enjoys passing from theory to development of tech products.

A portfolio of past and current projects can be found at https://irvinggomez.com/#projects

Computing Skills

Programming Languages: Python, Julia, R

Data Visualization: Plotly, Tableau, Shiny, Ggplot2

Deep Learning: TensorFlow Big Data: Pyspark

Other Data Analysis: SPSS, Google Analytics Other Languages: LATFX, HTML, CSS, SQL

Professional Experience

OPI Analytics

Sr. Data Scientist

August 2020 - December 2020

- Development and improvement of end-to-end projects for sale's forecasts.
- Monitor and validation of building blocks.
- Automation of data science processes.
- Validation of pricing strategies.

Centro de Investigación en Matemáticas

Postgraduate Student in Probability and Statistics

August 2014 - June 2021

- Implementation of random forests algorithms to handle data with missing values.
- Implementation of neural networks for recommender systems with partial information.

 In collaboration with Inria Lille-Nord Europe.
- Development of methodologies for detection of illegal traffic of species in America. *In collaboration with Cinvestav-Irapuato*.
- Design and development of a graphical user interface for inspection data in reliability.
- Implementation of methodologies for control quality with heavily censored data.
- Statistical consulting for the automotive industry, improving its warranty management.
- \bullet Reliability analysis for the food industry, increasing preference of consumers.
- Teaching assistant in undergraduate and graduate subjects.

Academic Qualifications

PhD in Probability and Statistics
Research stay
Actively Querying Missing Information Using Neural Networks, in collaboration with Dr. Jill-Jênn Vie
MSc in Probability and Statistics Centro de Investigación en Matemáticas (CIMAT), Guanajuato, Mexico
Mathematical Engineer
Exchange Student

David Sprott Award, 2015

Annual prize granted by the Centro de Investigación en Matemáticas (CIMAT) to the best master's exam in the area of statistics.

Selected Talks

12/2020

Hispanohablante Seminar, Guanajuato

 $Consistency\ of\ a\ Random\ Forest\ Algorithm\ with\ Missing\ Entries$

03/2020

Inria Sequel Seminar, Lille

 $Some\ ideas\ for\ random\ forests\ with\ missing\ values$

01/2020

TRIPODS workshop CIMAT-University of Arizona, Guanajuato

Some ideas for random forests with missing values

Certifications

Google Analytics
Data Sets with SQL
SQL for Data Science
Statistical Analysis with SPSS

Languages

Spanish	Native
Portuguese	Fluent
English	Fluent
French	Basic
Russian	Basic