IRVING GÓMEZ MÉNDEZ

📍 Guanajuato, Mexico   ✈ irving.gomez@cimat.mx   ➤ https://irvinggomez.netlify.app

Academic Qualifications

PhD Candidate in Probability and Statistics

Centro de Investigación en Matemáticas (CIMAT), Guanajuato, Mexico 2017-present

Thesis: *Random Forests with Missing Data*, under the direction of Dr. Emilien Joly

Institut National de Recherche en Informatique et en Automatique (Inria), Lille, France 2020

Research stay: *Actively Querying Missing Information Using Neural Networks*, on collaboration with Dr. Jill-Jênn Vie

Courses: Scientific Computing for Probability and Statistics, Statistics for Complex Data, Data Science, Pattern Recognition, Asymptotic Theory for Probability and Statistics, Genomics

MSc in Probability and Statistics

Centro de Investigación en Matemáticas (CIMAT), Guanajuato, Mexico 2014-2016

Thesis: *Gráficos de Control Tipo EWMA para Datos de Inspección en Confiabilidad (EWMA Control Charts for Inspection Data in Reliability)*, under the direction of Dr. Enrique R. Villa Diharce

Courses: Mathematical Statistics, Statistical Inference, Stochastic Models, Statistical Models, Reliability, Non-parametric Inference, Multivariate Analysis, Statistics for Industry and Natural Sciences

Bachelor's degree

Instituto Politécnico Nacional (IPN),
Mexico City, Mexico 2009-2014

Mathematical Engineer

Graduate by completion of master's degree credits

Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil 2012

Scholarship holder by the Instituto Politécnico Nacional (IPN) to study Operations Research and Statistics

David Sprott Award

For the best master's exam in the area of statistics 2015

Scholar and Professional Activities

2015-2019
Teaching Assistant at CIMAT, Guanajuato
Statistical Inference 2015, 2016, 2017, 2018, 2019
Statistical Models 2017, 2018, 2019

10/2019
I Workshop in Deep Learning and Data Science, Guanajuato

07/2018
XXVIII Annual Conference of the International Environmetrics Society, Guanajuato

11/2017
Workshop in Statistics, Data Mining and Environmental Sciences, Oaxaca

09/2017
I School of Data Science, Cuernavaca

11/2016
I Symposium of Inference and Statistical Modeling, Guanajuato

09/2015
XXX National Forum on Statistics, Acapulco

06/2015
XII Workshop on the Solution of Calculus Problems, Guanajuato

Industrial Collaboration

01/2017
X Workshop on the Solution of Industrial Problems, Guanajuato
Warranty data analysis for the automotive industry

03/2016
Toyota Production System Course, Leon

01/2016
IX Workshop on the Solution of Industrial Problems, Guanajuato
Statistical consulting for the food industry

08/2013 - 07/2014
Control Quality Engineer at PESISA, Mexico City
Implementation of 5S processes and lean manufacturing projects

Talks

03/2020
Sequel Seminar Inria, Lille
Some ideas for random forests with missing values

01/2020
TRIPODS workshop CIMAT-University of Arizona, Guanajuato
Some ideas for random forests algorithms with missing values

05/2019
Probability and Statistics Seminar CIMAT, Guanajuato
Regression with missing data using random forests

Computing Skills

Languages: LaTeX, Python, Julia, R, HTML, CSS

Languages

Spanish	Native
Portuguese	Fluent
English	Fluent
French	Basic
Russian	Basic