

IRVING GÓMEZ MÉNDEZ



Guanajuato, Mexico



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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 Infer-
ence, Stochastic Models, Statistical Models, Reliability,
Non-parametric Inference, Multivariate Analysis, Statis-
tics 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 Na-
cional (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, Guala-
juato

07/2018

XXVIII Annual Conference of the International Environ-
metrics 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, Guala-
juato

09/2015

XXX National Forum on Statistics, Acapulco

06/2015

XII Workshop on the Solution of Calculus Problems, Guala-
juato

Industrial Collaboration

01/2017

X Workshop on the Solution of Industrial Problems, Guala-
juato
Warranty data analysis for the automotive industry

03/2016

Toyota Production System Course, Leon

01/2016

IX Workshop on the Solution of Industrial Problems, Guala-
juato
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

09/2019

Week of Mathematical Engineering, Mexico City

Understanding the happiness in the world

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	Mother-tongue
Portuguese	Fluent
English	Fluent
French	Basic
Russian	Basic