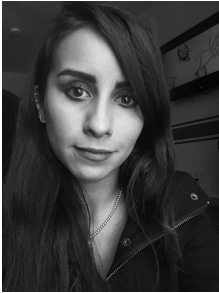


fernanda mora

B.Sc. Applied Mathematics ● B.Sc. Actuarial Sciences ● M.Sc. Computer Science candidate



about

Mexico city

Mobile 5528862399

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fernanda-mora.com

github.com/Sophie-Germain

languages

spanish (native)

english (high proficiency)

programming

R, Python, Matlab (fair)
Java, C, C++ Bash
(basic)

other

PostgreSQL, LaTeX,
Sublime, Office Suite,
GitHub, Docker

about

"If you cannot measure it, you cannot improve it". My major goal is to **generate value** through *state-of-the-art technologies and models* that tackle relevant problems in *society, government and companies*. My second goal is to promote a quantitative & data-driven approach to problem-solving and decision-making.

To achieve this I have developed a **unique academic & industry experience** that combines **theory + research** with a **practical + client-oriented approach**. Please take a look to my [website](#) to find a more detailed picture of my profile.

Academic interests

- *Computer Science*: computer architecture, distributed computing
- *Data Science and Machine Learning*: Big Data, Deep Learning
- *Pure Mathematics*: Set Theory, Functional Analysis, Group Theory
- *Statistics and Finance*: Bayesian, Derivatives, Risk Theory

Non-academic interests

- Strategic and Management Consulting
- Value proposition and pricing
- Business intelligence analytics with data-driven solutions
- Integration, management, securing, and analysis of enterprise and governmental data
- Web development

education

- since 2015 **M.Sc. candidate in Computer Science** Instituto Tecnológico Autónomo de Mexico
Working on machine reading comprehension
- 2015 **B.Sc. in Applied Mathematics** Instituto Tecnológico Autónomo de Mexico
Thesis with special mention: Deep Learning Fundamentals Applied to Electric Energy Consumption Forecasting in Mexico. [Link to thesis](#) [Link to deck](#)
- 2012 **B.Sc. in Actuarial Sciences** Instituto Tecnológico Autónomo de Mexico
Thesis with special mention. [Link to thesis](#)

academic experience

- 2016, 2m **Carnegie Mellon University** Visiting Research Scholar
Worked with Profr. Eric Nyberg in Machine Learning models for Q&A at the Language Technologies Institute. [Link to project report](#)
- 2016 **Instituto Tecnológico Autónomo de Mexico** Graduate Seminar Professor
Teaching Data Mining tools to support decision making. [Github repo](#)
- 2015, 6m **Computational Research and Analysis Laboratory (ITAM)** Data Scientist
Machine learning and visualization of credit data for nonpayment prediction
- 2010, 6m **Instituto Tecnológico Autónomo de Mexico** Teaching Assistant
Economics IV (non-competitive markets)

industry experience

since 2015	Freelance consulting (Mexican Secretary of Energy, AbbVie) <i>Business strategy, data mining and statistical consulting</i>	Consultant
2015, 2m	AbbVie Mexico <i>Tailor-made value propositions for AbbVie's drug portfolio</i>	Project Coordinator
2013-2014	LifeSciences Consultants <i>Health economics, cost-effectiveness analysis, market access strategies</i>	Management Consultant
2010-2011	Sociedad Financiera Campesina <i>Evaluation and assessment of credit portfolios</i>	Financial Analyst
2012, 3m	ADRISA <i>Estimation and forecasting of the premium of life insurances</i>	Actuarial Analyst
2009-2010	Cuasar Capital S.C. <i>Financial assessment of infrastructure and real-state projects</i>	Financial Analyst

publications

Local layered algorithmic model for topological design of rural telecommunications networks. Presented on the International Conference on Operations Research for Development, ICORD 2016. [Link to paper](#)

Carga Económica de la Diabetes Mellitus en México, 2013. Fundación Mexicana para la Salud A.C. [Link to paper](#)

conferences

Dataday Mexico 2017: Speaker with a talk on Deep Learning.

International Conference on Operations Research for Development, ICORD 2016: Pre-senter of a paper and revisor of two papers.

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- 60% Master's tuition scholarship for strong academic performance
- National Council of Science and Technology Master's scholarship for strong academic performance