

Maria Fernanda Ibarra Gutiérrez

CURP: IAGF890825MDFBTR07

Nationality: Mexican

Birth Date: 25 August 1989

Sex: Female

Civil State: Single

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Statistical analysis of data has interested me for the whole of my career. Moreover, I have experience with collected and systematized information through tools programming. I have a particular interest in the analysis of information and implementation of mathematical models to explain social, demographic and risk phenomena.

Values

Honesty

Responsibility

Leadership

Other interest

Reading

Education and qualifications

- **National Autonomous University of Mexico (UNAM) 2009-2013**
Science Faculty.
Bachelor's degree in Actuarial Science.
Modules included a deep background of mathematical and statistical modelling.
- **Courses.**
 - 2019** – Summer School on Multidimensional Poverty Analysis by Oxford Poverty and Human Development Initiative (OPHI) University of Oxford
 - 2018** - Multivariate Methods by the Mathematics Research Centre, S.C.
 - 2018** - Crime Victimization Surveys by UNODC.
 - 2018** - How to read and process gender data using R? By Civic Data.
 - 2018** - Record Linkage Workshop by the Mathematics Research Centre, S.C.
 - 2017** - Online Certified Introduction to Feminist Theory and Research by the National Autonomous University of Mexico.
 - 2016** - Colloquium on Feminist and Gender Studies (Women and Violence: Intersectionality) by the University of Brasilia.
 - 2016** - Certified in Probability and Statistics from the National Autonomous University of Mexico.
 - 2015** - Certified in Statistics by Actuary Hunter.
 - 2015** - Certified in Applications of Data Mining by the Technological Institute and Higher Education of Monterrey.
 - 2014** - Course on Statistics in R by Applied Mathematics and Actuary Training.
 - 2014** - Seminar on Classical Foundations of Feminist Thought 1 by Construction and Gender Analysis Research and Teaching Centre S.C.
 - 2013** - Certified in Human Rights by the Human Rights Centre "Fray Francisco de Vittoria".
 - 2013** - Intensive Workshop in Mathematical Models Applied to Research in Social Sciences with Special Orientation to Political Science by the National Autonomous University of Mexico.
 - 2013** - Course of Operational Risk Management 2 by NUMERAVI Risk valuation and analysis S.C.
 - 2012** - Course of Operational Risk Management 1 by NUMERAVI Risk valuation and analysis S.C.
- **Computational qualifications.**
 - R: advanced level.
 - STATA: basic level
 - SPSS: medium level.
 - Tableau: Visualizations, basic level.
 - SAS: basic level.
 - MySQL: medium level.
 - Visual Fox Pro: medium level, knowledge of programming language in Fox Pro 9.0.
- **Languages.**
 - International English Language Testing System (IELTS) 6.5
 - Certification of English Language for Foreigners TOEFL (paper based) 563.
 - Certification of Portuguese Language for Foreigners CELPE.

Employment experience

INSTITUTE OF RESEARCH ON SUSTAINABLE DEVELOPMENT AND SOCIAL EQUITY OF THE

Quantitative Research Assistant

- Support the theoretical and methodological construction of the multidimensional measurement of urban poverty.

IBEROAMERICAN UNIVERSITY (EQUIDE)
Present

- Cleaning and processing databases.
- Statistical analysis.

**NATIONAL INSTITUTE OF STATISTIC
AND GEOGRAPHY (INEGI)**
05/01/2017 to 05/31/2018
**General Directorate of Government,
Public Safety and Justice Statistics**

Link of Methodological Support.

- Generation of databases based on INEGI censuses and surveys.
- Generation and validation of indicators related to public safety, gender, violence, poverty, corruption, among others.
- Generation of visualizations based on the indicators.
- Methodological support for documents and presentations.
- Calculation of SDG-ONU indicators.

BANK OF MEXICO
07/09/2013 to 06/30/2016
General Directorate of Emission

Risk and Control Analyst.

- Data analysis for operational risk assessment.
- Implementation of statistical models for the measurement of operational risk.
- Tools programming to gather information.
- Systematization of information.
- Generation of Indicators.

BANK OF MEXICO
10/30/2012 to 4/30/2013
General Directorate of Emission

Fellow in the Risk and Control Division.

- Homogenization of the operational risk incident matrix.
- Cost-benefit analysis of values transfer insurance.