

# Carlos Daniel Jiménez M.

SENIOR DATA SCIENTIST · MACHINE LEARNING ENGINEER · STATISTICAL ENGINEER

Colombia

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## Summary

Experienced Senior Data Scientist with a demonstrated history of working in the Startups and public institutions between USA, Colombia, Chile and México. With more than ten years of experience applying and development Machine Learning models to real world.

Appassionate for applied statistics, machine learning modeling and bayesian statistics and skilled in : Applied Machine Learning, Statistical Modeling, NLP, Deep Learning, Bayesian Data Analysis, Marketing Analytics, Bio-statistics (Genomic Data analysis) , LaTeX and Markdown.

You can find my Portfolio clicking [here](#)

## Work Experience

### Inter-American Development Bank

USA - Col

SENIOR DATA SCIENTIST CONSULTANT

Jul 2020 - Currently

- Developing Machine Learning applications to understand the public policies of the different governments
- Deep Learning developer for NLP products
- Developer various Machine Learning models for tasks like text classification and forecast labor in LatinAmerica

### Resolve Studio - Chiper

Bogotá - Col

CHIEF DATA SCIENCE AND DATA ENGINEERING

Jan 2019- May 2020

- Lead Data Scientist and Machine Learning developer for autonomous attributions campaigns with Deep Learning and another technologies
- Developed Data Science models solutions for classification and Data Analysis
- Lead Data Science Team for automate solutions and tasks throughout the company such as client sales prediction, demand forecast

### Big Bang Data

Medellín - Col

PRE SALES ENGINEER AND DATA SCIENTIST

Apr. 2018 - Dec. 2019

- lead sales of products based on data and machine learning
- Developed Machine Learning models for : Marketing , Pricing , forecast, and Churn with different clients
- Evaluated and Creator of work methodology

### Secretaría de Educación Distrital

Bogotá - Col

DATA SCIENTIST

Aug 2017 - Aug 2018

- Data Scientist on an advanced analytics team working in education projects and innovations in big data tools (RStudio and Hadoop)
- Build and own complex data pipelines using SQL and other data processing tools
- I Created sampling model for Evaluated Educational Progress

### Superintendencia de Puertos y Transporte

Bogotá - Col

STATISTICIAN AND QUANTITATIVE ANALYST

2017

- Created BI and tools that identify opportunities and some risk for projects
- Worked with other departments to use new technologies to streamline Government policies and rules
- Developed a Mac and Windows python application for Policies evaluation software to measure employee productivity.

### Puedo ser Consulting Group

Bogotá - Col

CHIEF STATISTICS

Jan 2017 - Sep 2017

- I developed of Statistics Models to : Clusters, Marketing Analytics and Forecast
- I created Statistics department

### New Port Negocios Internacionales

Bogotá - Col

NEW PORT INTERNATIONAL BUSINESS

March 2014 - Apr 2015

- Researched on strategies to optimize pickup planning in warehouses
- Support Data Science initiatives across the company
- Research the applications of AI in Marketing

### Invershop SAS

Bogotá - Col

MARKETING' CHIEF

Marc 2012- March 2014

- Researched on technologies to create scalable multi-tenant software Marketing
- Developing of intelligent reporting for supporting the Marketing management team
- Creation and development of Machine Learning algorithms for Marketing Strategies

## ONU - Secretaria de Desarrollo Económico 'La Pintana'

Chile

ASSOCIATE ECONOMIST

2012

- I Researched and analyze labor market conditions, national and MSA patterns, and past and future market trends and forecasts
- I created Psychology Test for Social development
- I Worked with media to customize Growth Destiny's data and insights for their stories/inquiries

## Academic Experience

### Universidad Nacional de Colombia

Bogotá, Col

PROFESSOR

Dic 2019 - Currently

- Manager and creator program's on Data Science and Big Data
- Visiting professor at health school: Evaluation of medical alternatives
- Last courses(click on the course 'name to see the content')
  - [Git and Github](#)
  - [Digital Data Science](#)
  - [Big Data](#)
  - [Machine Learning \(Introduction\)](#)
  - [Bayesian Data Analysis](#)

### Uniempresarial

Bogotá, Col

PRINCIPAL PROFESSOR

March 2018 - Occasionally

- Courses Creator on Data Science, BI, Computational Science and Econometrics for Business
- Academic Consultat on Metacognition
- Teacher subjects on university levels :Big Data, Computational Science, Statistics and Data Analysis

### Educación Futuro

Bogotá- Col

PRINCIPAL PROFESSOR

May 2015- Apr 2016

- Teacher at the chair of Statistics and KPI's
- Courses Creator on law of the unemployed : Innovation Diploma and Business Computing

### UniAsturias

Spain-México

ECONOMICS PROFESSOR

2015

- Full professor in following subjects : Microeconomics, Political Theory , Asian Economics , Economics History and Mathematical Economics

## Education

### Santo Tomás University

Bogotá - Col

M.S. IN STATISTICS

Jan 2018 - Currently

- focus in : Bayesian Statistics , EDA and Machine Learning Applied

### Santo Tomás University

Bogotá - Col

B.A IN ECONOMICS

Jan 2010 - Dec 2014

- Focus in : Maths for Economics

## Tools

**Programming:** Python: +4, R: +9, Octave: +3, Matlab: +2

**Data Science:** Tidymodels, keras, Tensorflow, Scikit Learn, tidyverse, Spark, Bigquery, MySQL, Tidymetrics

**Development:** Docker, Git, Google Cloud Platform, Plumber, Flask.

**Visualization:** Shiny, looker, PowerBI, Shinymetrics, Google Analytics

## Areas of Interest

Applied Machine Learning, Natural Language Processing, Statistical modelling, Econometrics(with Big Data), Genomic Data Analysis, Meta - Analysis, Bayesian data analysis, Web Scrapping, Forecasting and Deep Learning.

## Publications

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### Inferencia estadística un enfoque moderno

[www.danieljimenezm.com](http://www.danieljimenezm.com)

FREE

2020

- Design of the theoretical framework of the application of statistical inference applied to data science

## Extracurricular Activity

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### danieljimenezm.com

BLOGGER

[Colombia](#)

Aug 2018 - currently

Blog on Applied Statistics, Data Analysis and Machine Learning with R

### Nostradamusdata.com

TEACHER

[Col-Chile](#)

Jun-2019- currently

Special Professor on Data Science and BI

## Speaking Engagements & Conferences

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- Machine Learning aplicado al mundo de la publicidad, 2020, Bogotá, TitaMedia
- Interpretability Machine Learning (Labor Economics Models), 2020, Washington, BID
- Data Science and Educations, 2017, Bogotá, CTB
- Economics History: Democracy Under Threat, 2014, Bogotá, CTB
- Crime Economics in Latam: Religion and Patterns , 2013, Chile, ONU