

# Carlos Daniel Jiménez M.

SENIOR DATA SCIENTIST · MACHINE LEARNING ENGINEER · STATISTICAL ENGINEER

Colombia

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## Summary

Experienced Senior Data Scientist, Machine Learning and Statistical Engineer with a demonstrated history of working in Startups, and public institutions (Chile-Colombia-USA), I build Computational and Cognitive tools to make real world applications on Data Science, Machine Learning and AI. Skilled in Bayesian Data Analysis, Machine Learning applications, Statistical Modeling, Data Visualization, Linear Algebra, Markdown and LaTeX.

## 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 Latin America

### Chiper

Bogotá-Col

LEAD DATA SCIENTIST

Nov 2019 - May 2020

- Build statistical models that allow knowing the needs of users
- Research the applications of Data Science.
- Developing Machine learning applications
- Validated behavioral models on multiple datasets.
- Business Intelligence
- Implementing predictive maintenance tools using machine learning.

### Merlin Jobs

USA-Col

SENIOR DATA SCIENTIST

Aug. 2019 - Nov 2019

- Developer and implementer Machine Learning models
- Research the applications of Data Science.
- Helping drive the strategic direction and priorities as solidify merlin as a top data science company in USA
- I Conducted customer interviews to understand their needs and help drive our data products strategy
- Develop models that translate unstructured client data into valuable insights

### Resolve Studio

Bogotá-Col

CHIEF DATA SCIENCE AND DATA ENGINEERING

Jan 2019 - Aug 2019

- Lead Data Scientist and Machine Learning developer for autonomous attributions campaigns with Deep Learning and other 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

NEW PORT INTERNATIONAL BUSINESS

Bogotá - Col  
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

MARKETING' CHIEF

Bogotá - Col  
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'

ASSOCIATE ECONOMIST

Chile  
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

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### Universidad Nacional de Colombia

PROFESSOR

Bogotá, Col  
Dic 2019 - Currently

- Manager and creator program's on Data Science and Big Data
- Data engineering teacher (with Python)
- Digital Marketing teacher
- business architecture (Course designed for a company)

### Universidad Konrad Lorenz

PROFESSOR

Bogotá, Col  
Julio 2020 - Currently

- Manager Data Science Area
- Data Science Introduction teacher
- Machine Learning teacher

### Uniempresarial

PRINCIPAL PROFESSOR

Bogotá, Col  
March 2018 - Occasionally

- Courses Creator on Data Sciene, 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

PRINCIPAL PROFESSOR

Bogotá - Col  
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

ECONOMICS PROFESSOR

Spain-México  
2015

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

## Education

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### Santo Tomás University

M.S. IN STATISTICS

Bogotá - Col  
Jan 2018 - Currently

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

### Michigan University

MASTER COURSE IN MACHINE LEARNING

Usa  
Apr. 2020 - Currently

- Focus in : Data Science with applications on Emprirical Bayes

### Santo Tomás University

B.A IN ECONOMICS

Bogotá - Col  
Jan 2010 - Dec 2014

- Focus in : Maths for Economics

## Tools

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**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

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Applied Machine Learning, Natural Language Processing, Statistical modelling, 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

[Colombia](#)

BLOGGER

Aug 2018 - currently

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

### Nostradamusdata.com

[Col-Chile](#)

TEACHER

Jun-2019- currently

Special Professor on Data Science and BI