

DANIEL MAURICIO JIMENEZ GUTIERREZ

Senior Data Scientist

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🌐 github.com/damjimenezgu

AT A GLANCE

Dedicated data enthusiast with 9+ years of experience using Statistical and Machine Learning techniques, complemented with excellent programming language abilities. I am eager to contribute and lead any workgroup with resilience, flexibility, and creativity as my top qualities.

WORK EXPERIENCE

- Sep/22 - Feb/23 **PhD Teaching Assistant**
La Sapienza University of Rome, Rome – Italy
- Sep/21 - Feb/22 **University Teaching Assistant**
La Sapienza University of Rome, Rome – Italy
- Jun/20 - Jan/21 **Senior Credit Risk Professional**
The Agrarian Bank, Bogota – Colombia
 - Defining and programming the Modelling Process for credit applications of the bank. The speed for developing one scorecard **improved to 2 weeks** per analyst.
 - To create the new version of the origination model for Small Producers. The discrimination power between Good and Bad customers **increased 80%** concerning its predecessor.
- Feb/19 - Apr/20 **Head Data Scientist**
ALTO Group, Bogota - Colombia
- Apr /17 - Apr/18 **Bureau Models Manager**
Experian, Bogota - Colombia
 - Leading the generic models' team overseeing 8 professionals among junior and senior.
 - Supporting the credit risk and other products of Spanish Latam. Default probability (PD), income estimation, identity supplantation, customer contact. The models developed **enhanced 15%** on average the quality assessment compared to their previous versions.
 - To create a new version of the generic model for estimate the income in Peru. This solution represented an **improvement of 11%** in the classification accuracy of the income compared to its previous version.
- Jul/13 **Analytics Coordinator** (*Experian, Bogota – Colombia*)
- Mar/17 **Analytics Professional** (*Experian, Bogota – Colombia*)
- Portfolio Analysis Professional** (*Scotia Bank, Bogota - Colombia*)

COMPLEMENTARY EDUCATION

- Ago/20 **Data Science for All training program**
Ministry of Information Technologies and Communications & Correlation One, Bogota – Colombia. (Graduated with honors)
- Nov/18 **Data Science with Python**
DataCamp, Online course, Bogota – Colombia
- Feb/16 **Diploma course of Big Data Analytics**
National University of Colombia, Bogota - Colombia

EDUCATION

- 2022 **PhD in Data Science**
Curr. *La Sapienza University of Rome*
- 2020 **MSc. in Data Science**
2022 *La Sapienza University of Rome*
Final Grade: 110/110 Cum Laude
- 2008 **Statistics**
2013 *National University of Colombia*
Avg. Grade: 4.0/5.0
Within the 20% of graduated peers

KNOWLEDGE

Programming skills

R and Python
SQL
Visual Basic
SAS / SPSS

Technical aptitudes

Statistical Data Modelling
(Linear and Logistic Regression, MARS, Lasso, Ridge, E-Net)

Machine Learning techniques
(GBM, Random Forest, SVM, ANN, LDA)

Clusters/Features Reduction
(K-means, PCA, Factorial Analysis, MCA)

Time Series
(ARIMA, RNN, LSTM)

Deep Learning
(CNN, GNN, LSTM, NLP)

ACKNOWLEDGEMENTS

- Feb/22 **Student's honour programme**
Jun/22 *Sapienza University of Rome. Scholarship for the best academic performance. Rome, Italy.*
- Jan/22 **Top 1% ranking**
Wiraki startup. Most skilled and talented students. Rome, Italy
- Aug/20 **1st place in Data Science for All**
The National Ministry of Information Technologies and Communications & Correlation One. Bogota – Colombia
- Dec/19 **1st place in 3rd Analytics Competence**
Master in Analytical Intelligence for decision-making and VivaAir. Los Andes University, Bogota Colombia.

LANGUAGES

- Spanish (Native)
- English (C1 CERF)
- Italian (A1 CERF)