

HEBER BERMUDEZ

Statistician - Data Engineer - Data scientist

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PROFESSIONAL PROFILE

Data Engineer and Data Scientist with a robust statistical background, skilled in applying advanced quantitative methods and developing data-driven solutions. Expert in constructing data pipelines and implementing optimized database architectures to solve complex problems effectively.

EXPERIENCE

Data Engineering and Analytics Team Lead

ISVIMED, Institute for Housing and Habitat of Medellín

Mar 2023 - present

Medellín, Colombia

- Designed and implemented data infrastructures and pipelines, leveraging machine learning algorithms and statistical analysis to innovatively tackle Medellín's housing deficit.
- Spearheaded the adoption of cutting-edge analytical practices and data governance policies, significantly impacting the regional housing deficit and supporting urban development initiatives.
- Led and mentored a team of data analysts, cultivating a culture of excellence and innovation in data-driven research and analysis, while ensuring alignment with strategic goals.

Senior Data Scientists

SENNOVA, Health Service Center, SENA

Oct 2022 - present

Medellín, Colombia.

- Developed artificial intelligence models for predictive analytics on medical data, enabling early disease detection and risk assessment.
- Presented findings through interactive reports and data dashboards in PowerBI to effectively communicate insights to stakeholders.
- Planned and executed training events focused on the application of artificial intelligence in the medical field.

Teaching assistant

National University of Colombia.

Jan 2019 - Dic 2021

Medellín, Colombia.

- Co-founded and managed a research incubator where lead a group of 20 people. The group was attached to the school of statistics.
- Trained in applied statistics, data science, machine learning, and AI, proficient in developing and implementing cutting-edge solutions.
- Organized academic materials for contest, congress, and colloquium participation. For further information, see: <https://analyticsteam.github.io/unalytics/>

EDUCATION

International University of La Rioja.

Master's in Artificial Intelligence and Data Engineering

Ongoing

National University of Colombia.

Bachelor in Statistics.

Medellín, Colombia

National Training Service.*Technologist in industrial production management.**Ibagué, Colombia***National Training Service.***Software developer technician.**Ibagué, Colombia***TECHNICAL STRENGTHS**

Programming Languages	R, Python, Java
Database	SQL, NoSQL
Data Engineering	PySpark, Databricks, Docker, Airflow, CI/CD, Snowflake Data pipelines, Data Warehouse
Machine Learning & AI	Pandas, Scikit-learn, Tidyverse, Tensorflow, PyTorch
Data Visualization & BI	PowerBI
Cloud Computing Platforms	AWS
Version Control	Git, GitHub
Operating Systems	Linux (Bash Shell Scripting)

OTHER ACTIVITIES

Exchange student.*International cultural exchange.*

Jul 2021 - Oct 2021

SD, United States.

- Participated in a cultural exchange program, developing cross-cultural communication abilities and expanding global perspective.

ACADEMIC ACTIVITIES

XIII National statistics colloquium*Attendant, National University of Colombia.*

2021

XII National statistics colloquium*Speaker, Web application, Machine Learning for text analysis.**National University of Colombia.*

2019

XXIX International statistical symposium*Speaker, Text mining to study some terminologies**about data science in Colombia, Northern University.*

2019

CERTIFICATIONS

Artificial Intelligence for medicine.*Coursera, Deplearning.ai*

2022

SQL for Data science.*Coursera, DAVIS University.*

2021

Structuring Machine Learning Projects.*Coursera, Deplearning.ai*

2020

Neural Networks and Deep Learning.*Coursera, Deplearning.ai*

2020

LANGUAGES

English Advanced.**Spanish** Native.