

# IVÁN MOISÉS HITA CAHUANTZI

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## EXPERIENCE

### Data Science Coordinator

#### El Puerto de Liverpool

September 2025 – Present

Mexico City

- Leading a cross-functional data science team (CIL) focused on building and deploying ML models for optimization, forecasting and predictive analytics to improve business operations and decision-making.
- Designing, developing and maintaining ML pipelines leveraging cloud infrastructure on GCP and AWS, ensuring scalability, reliability, and performance.
- Implementing feature engineering, data preprocessing and model validation procedures to ensure high-quality predictive outcomes.
- Collaborating with stakeholders across departments (logistics, inventory, operations) to translate business needs into data-driven solutions.
- Setting up monitoring and automated retraining workflows to keep models up to date with changing data distributions.
- Delivering insights and dashboards to management to inform strategic decisions based on predictive analytics and optimization results.

### Senior Data Scientist Analyst

#### Citibanamex

November 2024 – November 2025 Mexico City

- Large-scale data processing and transformation using Apache Spark (PySpark, Spark SQL, RDDs, DataFrames, Datasets) for credit information analysis. Performance optimization through partitioning, caching, broadcast variables, and parameter tuning, ensuring efficient execution times in distributed clusters.
- Design and optimization of data pipelines in distributed environments, integrating technologies such as Hadoop (HDFS, YARN), Apache Hive, and HBase on platforms. Implementation of automated ETL/ELT processes with Ab Initio, ensuring data availability and quality for risk analysis.
- Development of Machine Learning models for credit origination and financial risk, utilizing advanced techniques such as logistic regression, Random Forest, XGBoost, and neural networks. Implementation of feature engineering strategies with transactional data, socio-demographic variables, and credit behavior to enhance predictive power.
- Optimization of queries and data storage for risk analysis, employing indexing, bucketing, and columnar storage strategies (Parquet, ORC, Delta Lake) to improve speed and efficiency of data access in high-performance clusters. Use of Spark Structured Streaming for real-time ingestion and processing of financial and transactional data.
- Advanced analysis of credit trends and behavior, generating key metrics to assess default probability, customer segmentation, and credit approval rates. Creation of interactive dashboards in Tableau, Power BI, and Looker to visualize critical insights and support strategic decision-making in risk policies and customer acquisition.

Ahora realiza lo mismo con la siguiente parte del código:

## SKILLS



## CERTIFICATIONS & COURSES

### SAS Statistical Business Analyst

#### SAS

2021

Coursera

### Snowflake Data Engineering Professional Certificate

#### Snowflake Northstar

2025

Coursera

### IBM Data Engineering Professional Certificate

#### IBM

2025

Coursera

### Portfolio and Risk Management

#### Geneva University

2021

Coursera

### LLMOPs Specialization

#### Duke University

2025

Coursera

### TensorFlow Developer Professional Certificate

#### DeepLearning.AI

2022

Coursera

### Database Design and Basic SQL in PostgreSQL

#### University of Michigan

2022

Coursera

### Functional Programming in Scala Specialization

#### École Polytechnique Fédérale de Lausanne

2024

Coursera

### AWS Cloud Solutions Architect Professional Certificate

#### Amazon

2024

Coursera

## Risk Credit Business Intelligence Analyst

**Citibanamex**

📅 July 2023 – October 2024

📍 Mexico City

- Development of ETL processes with SAS and Python, for the feeding of reports in Tableau that concentrate the most important risk indicators.
- Duties that improve risky business operations through the use of relevant data. Translate collected data into valuable insights into your business processes and risk exposure.
- Gathers business intelligence from a variety of enterprise data sources and processing data to prepare it for analysis and presentation to senior managers.
- Use data and business intelligence tools, such as Tableau, SAS and Python, to identify and monitor current and potential credit risk through the development of the PQR report.
- Analyze an organization's past financial data to spot anomaly trends and risks, which helps them predict outcomes for business decisions, identify opportunities and take relevant decisions about the management of portfolios.
- Creating a benchmark curve to assess the performance of a personal loan portfolio involves developing a series of indicators that enable the evaluation and comparison of the portfolio's returns and risk over time against established benchmarks. This includes identifying the performance of the personal loan portfolio in terms of profitability, credit risk, delinquency, and achievement of financial goals.

## Data Engineer

**Citibanamex**

📅 August 2022 – June 2023

📍 Mexico City

- Develop and test architectures that enable data extraction and transformation for modeling and report visualization.
- Developing and implementing data analyses, data collection systems and other strategies that optimize statistical efficiency.
- Responsible for routine operational or administrative work.
- Day-to-day actions are focused on administering defined procedures, analyses and report preparation.
- Data activities, like database administration, data analysis, maintenance, data quality, and database management or database architecture / design engineering.

## Social Service

**Bank of Mexico**

📅 March 2022 – September 2022

📍 Mexico City

- Support in the preparation and presentation for the Risk Management Department in a daily meeting.
- Programming, design and development of databases for subsequent analysis and generation of reports.
- Creation of processes that generated structured information, with stock market information obtained through the Bloomberg API.
- Extraction of information and queries through the Bloomberg terminal.
- Support in various analysis activities related to Credit Risk and Compliance.

## Summer Internship

### Oxford Competition Economics

📅 June 2021 – July 2021

📍 Mexico City

- Analysis of literature on antitrust matters, as well as applicable regulations and judicial criteria.
- Support for data analysis and review of market-specific regulation relevant to the research area, as well as assisting in the development of presentations, legal and/or economic analysis and case reviews.
- Review of economic information for the preparation of newsletters.
- Preparation of reports regarding some complaints filed for possible relative monopolistic practices or unlawful concentrations.

## Intern Medical Oncology-Hematology & Biosimilars

### Amgen Mexico

📅 August 2018 – December 2021

📍 Mexico City

- Managing support for events on presentations of health professionals.
- Design and elaboration of dashboards for the reporting of expenses and decision making.
- Register providers for the Medical Onco-Hematology area.
- Design of outlines of the area structure and deployment of the MSLs.
- Assistance and orientation for new MSL's until they are familiar with the repository system in C3.
- Generate DOE updates for decision making for Hemato Medical Advisor, Biocomparables Medical Advisor and TA Head.

## EDUCATION

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### Master's degree in Finance

#### Anahuac Mexico

📅 2023 – In progress

📍 Huixquilucan

### Bachelor's degree in Applied Mathematics

#### UNAM

📅 2020 – In progress

📍 Mexico City

### Bachelor's degree in Economics

#### UNAM

📅 2017 – 2022

📍 Mexico City

### Diploma in Data Management and Visualization with Google Cloud Solutions

#### UNAM

📅 July 2025 – January 2026

📍 Mexico City

### Diploma in Statistical models for finance and trading

#### ITAM

📅 August 2024 – April 2025

📍 Mexico City

### Diploma in Artificial Intelligence

#### F.C., UNAM

📅 September 2024 – May 2024

📍 Mexico City

### Diploma in Database Administration and Data Modeling

#### FES Acatlán, UNAM

📅 September 2022 – February 2023

📍 Mexico City

Diploma in Statistical Techniques and Data Mining

FES Acatlán, UNAM

 February 2022 – November 2022  Mexico City

SAS Scholarship

SAS Institute

📍 Mexico City

#### Courses sponsored:

- SAS Programming 2: Data Manipulation Techniques
  - SAS Enterprise Guide 1: Querying and Reporting
  - SAS Visual Analytics 1 for SAS Viya : Basics
  - Programming for SAS Viya
  - SAS Visual Statistics in SAS Viya : Interactive Model Building

## Diploma in Data Science

ITESM

2019 - 2020

📍 Mexico City

## Diploma in Finance

MIDE

2019

📍 Mexico City

## MEMBERSHIP

AME

Mexican Statistical Association

## EMPLOYMENT REFERENCES

Veronica Lopez Alvarado

Amgen Mexico

- Position: TA Head Onco-Hemato Medical

Karla Devanira Hernandez

Citibanamex

- Position: Assistant Vice President Data Information / Analyst Management Manager

Anna Rojowska

MSD

- Position: Senior Medical Manager, Immuno-Oncology at MSD  
7654325432

Víctor Hugo Lemus Pacheco

Bank of Mexico

- Position: Assistant Financial Risk Manager at Bank of Mexico  
📞 5534980457

# LANGUAGES

- Spanish: Native
  - English: Advanced (B2)