



JOSÉ MANUEL CARPINTEYRO SÁNCHEZ

**MEXICAN ACTUARY WITH 10+ YEARS OF EXPERIENCE,
PASSIONATE ABOUT TECHNOLOGY, AI & DATA SCIENCE.**

(+52) 667 431 5830

jmanucs@hotmail.com

STRENGTHS LANGUAGES

- Creative
- Analytical
- Autodidact
- Innovative

- Spanish: Native
- English: Fluent
- French: Basic

OTHER EXPERIENCE

- Computer vision models and it's deployment in IoT projects (Arduino + Python)
- Web scraping

DATA SCIENCE SKILLS

Development:

- Machine learning models such as linear regression, logistic regression, random forest, naive bayes, k-means, KNN, DT, SVM, ensemble models.
- Deep learning for solving CV problems. Architectures like fully connected neural networks, convolutional neural networks, and generative adversarial networks.

Deployment:

- Cloud computing (GCP, IBM Cloud Pak for Data).

SOFTWARE

Tools and frameworks

Numpy, pandas, scikit-learn, matplotlib, plotly, jupyter notebook, vscode, opencv, imutils, scrapy

Tensorflow, keras, spark, fastai, vertex ai, bash scripting, google cloud platform, icloudpak, git

Selenium, docker, kubernetes

Languages

Python, SQL, SAS, VBA-Excel

R, C++

C#, Hive, Impala

Advanced
Intermediate
Basic

ACADEMIC TRAINING

Software Dev. ---- [2020-2023]

Univ. México Internacional - Engineering

Data sci. management - [2021]

ITESM - Diplomate

Machine learning ----- [2020]

LSE - Course

Quantum comp. -- [2020-2021]

IBM/QxQ/MIT - Course

Deep learning ----- [2020]

MIT - Course

Risk management ----- [2019]

Círculo de crédito - Course

Statistics & Data sci. -- [2019]

MIT - MicroMaster

SAS for analytics ----- [2018]

SAS - Course

Data sci. for business -- [2017]

ITESM - Diplomate

French as 2nd lang. ---- [2017]

IPN - Course

Business english -- [2016-2017]

Malvern House - Course (Dublin)

Solvency II (R) ----- [2014]

AMAT - Course

Foxpro ----- [2013]

IMAM - Diplomate

Excel & Macros ----- [2012]

IMAM - Diplomate

Actuary ----- [2009-2015]

Universidad Marista - BSc

EXPERIENCE

[11/20 - Today] - Coppel - Data science manager

- Coordinate the different tasks of the team that include researching and creating effective methods to collect data, analyzing information, and recommending solutions to the business.
- Customer segmentation and credit risk models development.
- Estimate monetary benefit of the developed data science projects.
- Improvement of development and deployment of models.

[04/19 - 11/20] - Coppel - Data scientist

- Recommend solutions to the business based on data analysis.
- Development of credit risk models.
- Customer lifetime value design and calculation.
- Dashboards with descriptive statistics to understand the business.

[08/17 - 04/19] - Santander - Data science manager

- Development of regulatory credit risk models (PD, EAD, LGD) IRB & IFRS (Individuals and Companies).
- Development of stress test models.
- Improvements on the calculation and efficiency of the code.
- Regulatory documentation and follow up on audits.

[10/15 - 09/16] - Metlife - Senior Actuary

- Provide subscribers mathematical tools for risk measuring.
- Pricing models development (Solvency II).
- Embedded value and reserves (RRC & IBNR) calculation.

[10/13 - 10/15] - GNP - Head of department

- Insurance products development (gather information, product definition, risk measuring and validation of legal implications that it may have)
- Pricing models development & Technical notes (Solvency II)
- Estimate future profit and provide strategies to achieve and exceed them.

[04/12 - 10/13] - GNP - Data analyst

- Tool (programs) development (for risk measurement and pricing)
- To transform strategies into tables or parameters to deploy them.

[06/11 - 04/12] - GNP - Consultant

- Operational KPI's and dashboards.
- Identify opportunity areas and recommend strategies to increase the quality of procedures and reduce execution times.

RETAIL

BANKING

INSURANCE