



Darwin Cubi

DATA SCIENTIST | ACTUARY

Quito, Ecuador

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Highly effective mathematical engineer in continuous training, with expertise focused on actuarial science and machine learning. Industry experience in the development and implementation of computational tools for insurance data analysis, discovery and modeling of risk characteristics. I am interested in the application of machine learning/deep learning tools and techniques in risk assessment, risk pricing, big data analysis for insurance, with the purpose of bridging the gap between academia and working life.

Education

Certificate of Advanced Study in Actuarial Science

PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE

Santiago, Chile

Jun. 2019 - Jul. 2019

- Pricing, reserving and reinsurance of life and non-life insurance.

B.E., Mathematics

UNIVERSIDAD CENTRAL DEL ECUADOR

Quito, Ecuador

Feb. 2010 - Feb. 2016

- Focused on mathematical analysis and modeling
- University Graduate Fellow
- Thesis: IBNR Reserving with generalized linear models.

Employment

Data scientist | Actuary

EKO ACTUARIAL

Quito, Ecuador

Aug 2021 - Present

- Data analysis with R and Python.
- Dashboard (Shiny and Tableau)
- Customer segmentation
- Risk and loss modeling
- R Trainer
- Pricing and reserving in life insurance
- Pricing and reserving in non-life insurance
- Consulting project clients include: Seguros Condor, Seguros Unidos, PlusMedical, TransMedical and Generali Seguros.

Business Intelligence Manager

MEGAPROFER

Quito, Ecuador

Apr 2021 - Jul 2021

- Product pricing
- Demand forecasting with ML models
- Delivery route optimization
- Automation of the purchasing service
- Safety stock and reorder point
- Price optimization
- Recommendation system
- Customer churn prediction
- Dashboards (Qlik, Shiny)
- Business performance KPI's

Certifications

Data Science

DATABRICKS ACADEMY

- Fundamentals of Delta Lake
- Data Science on Databricks
- Tracking Experiments with MLflow

[Online](#)

Sep. 2020

Data Engineering

DATABRICKS ACADEMY

- Applications of SQL on Databricks
- Fundamentals of SQL on Databricks
- Delta Lake Rapid Start with Python
- Introduction to Big Data

[Online](#)

Sep. 2020

Skills

Bases de datos Microsoft SQL, MySQL

Programación R ((Shiny, Plumber)), Python, SQL, Spark, SPSS

Blog Medium

- Juego de la vida de Conway.
- Introducción al seguro.