2nd July 2020

Agustin Palao

PROFILE

Bilingual professional with strong Economic, Financial (public and private), Statistical, and Code Programming skills. My mission is to provide insights and objective recommendations to inform diverse economic and policy areas. Specialized on program evaluation, critical infrastructure assessment, financial risk, and spatial analysis. I contribute with unbiased, high-quality and rigorous research according to the needs of any project. I strive to be proactive in handling time-sensitive and complex tasks to achieve project goals and compliance.

CONTACT

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CORE SKILLS

TECHINICAL

- Spatial Data Analysis
- Econometric modeling
- Data wrangling and management
- Time Series Analysis
- Multivariate Regression
- Risk Modeling

TRANSFERABLE

- Group & Team Management
- Oral & Written Presentations
- Project Leadership

PROGRAMMING

- GIS ArcMap
- Stata
- R
- Python
- SPSS
- EViews
- VBA
- SQL

OTHER LANGUAGES

Spanish - Native

INTERESTS

- Data Science applications
- Economic policy and impacts in private and public sectors
- Machine Learning

EXPERIENCE

THE UNIVERSITY OF TEXAS AT DALLAS (UTD) | Researcher

Aug 2018 - Present

- Managed data sets of 200,000 + records to perform consistent data cleaning, codification, mapping, classification, sorting, and clustering. More than 30 coding scripts were produced to support data analysis and robust model specifications.
- Developed quantitative models to measure different patterns of social behavior using an spatial (GIS) approach: power grid attacks, human rights violations, protests, warlike actions. 7 articles so far have been published from this data.
- Developed and teach 8 quantitative and qualitative graduate and undergraduate courses of international political economy, economics, political science and public policy programs, having an average course enrollment above 20 students per course.
- Presented more than 8 oral and written analyses including literature reviews, graphs, charts, tables and GIS maps at national and international conferences.
- Worked with 6+ government agencies and NGOs to request data of public program implementations. Established successful relationships that ended in high collaborative environment.

TRUST FUND FOR RURAL DEVELOPMENT |Risk Specialist

Dec 2004 - Aug 2012

- Collected and examined data (2K clients with 50 attributes each) for an in-house credit scoring. Credit models contributed to 10% increase in financial operations in 80% of the client portfolio.
- Implemented an operational risk quantitative Value at Risk models that monitored the exposure of potential losses in specific areas, producing the necessary adjustments to reduce risk levels.
- Appraised the risk exposure of fix interest rate and foreign currency portfolios (1.2 million USD). Counterpart limits were established to Interest Rate Swaps (IRS) and Cross Currency Swaps (CCS) reducing in 10% previous risk exposure in hedging positions.
- Developed 3 main quantitative methodologies to identify, measure, control and reveal financial risks. Regulatory reserves were reduced by 5% due to Risk Management Framework sound practices.

Previous positions

2000 - 2004

- Process Manager | HSBC, Insurance and Pension Fund
- Project Management Intern | Nissan-Volkswagen-Gestamp weld & stamping project

EDUCATION & QUALIFICATIONS

- Certified in Economic and Demographic Data Analysis
- Certified professor for college graduate courses
- 148 hours of training in Financial Derivatives including price valuation for Calls, Puts & Swap options.
- 48 hours of training in Operational Risk Management, including advanced methods such as Montecarlo Simulation and Operational Value at Risk.