

# Mauricio Vargas

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## SUMMARY

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Skilled Data Analyst with expertise in Python, Power BI, and Tableau, experienced in developing dashboards, statistical analysis, with extensive knowledge of insurance claims operations, holding a BS in Business Analytics from Carnegie Mellon University.

## SKILLS

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<b>Programming Languages:</b>	Python(Pandas, Numpy, Streamlit, Plotly), DAX, SQL, R(ggplot2), Node.js
<b>Databases &amp; Technologies:</b>	Power BI, Tableau, MS Excel, AWS Aurora, MongoDB, MySQL, Figma
<b>Languages:</b>	English, Spanish, Portuguese(Beginner)

## PROFESSIONAL EXPERIENCE

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**AIG** Hato Rey, PR  
**Data Analyst** September 2024 - Current

- Developed and Maintained Power BI Dashboards to enhance claims operations, including two weekly-updated dashboards for adjusters and managers, tracking KPIs like closing ratio, outstanding claims, and arising metrics—improving efficiency by 20% and enabling data-driven decision-making.
- Led the Creation of an Auto Claims Dashboard using Python for data transformation and DAX for actionable metrics, enabling leadership to monitor vendor payouts, savings, and high-frequency car brands—reducing manual reporting time by 30% and improving cost analysis.
- Spearheaded a Fraud Detection Initiative, designing a new Power BI dashboard to identify suspicious claims patterns, reducing potential fraudulent payouts and strengthening compliance with claims guidelines.
- Resolved Critical Data Issues by troubleshooting dashboard bugs, optimizing workflows, and fixing a long-standing Tableau data discrepancy—cutting manual query time by 50% and ensuring accurate reporting for the claims team.

**Oriental Bank** San Juan, PR  
**Finance Summer Intern** May 2022 - July 2022

- Produced an accurate and comprehensive FP&A report for the bank's current balance sheet, demonstrating strong analytical and financial modeling skills throughout the length of the internship.
- Utilized advanced **Excel** skills, including conditional formatting and complex formulas, to streamline financial data and increase efficiency in reporting.
- Conducted thorough 5-year forecasts, covering key financial metrics such as interest income, reposition, auto, NIR, NIE, NIM, EPS, and CAPEX, contributing valuable insights to the finance team.
- Leveraged Adaptive Planning, a new financial planning software adopted by the bank, to integrate **Excel** reports seamlessly, resulting in more efficient and accurate financial reporting.

## EDUCATION, RESEARCH & CERTIFICATIONS

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**Carnegie Mellon University**, Pittsburgh, PA May 2024

*B.S. in Business Administration, Concentration: Business Analytics, Minor: Logic & Computation*

**Relevant Courses:** Data Mining for Business Analytics, Advanced Data Management, Business Computing, Principles of Computing, End to End Business Analytics, Intermediate Macroeconomics

**Undergraduate Economics Research** May 2021 - July 2021

- Analyzed COVID-19 monetary policy's impact on US inflation using linear regression models in **R Studio**.
- Discovered significant effects of money supply on inflation, while the interest rate alone was not impactful.
- Collected and compiled Federal Reserve data (Nov. 2019–May 2021) and utilized FRED tools for analysis.
- Documented research processes and presented findings on the interaction between monetary policy variables and inflation.

**Certifications:** IBM Data Science Professional, Microsoft Office Specialist Excel(2018)

## INTERESTS

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Soccer, Chess, Agroforestry, Climate Change, and Philosophy