

Joey Hernandez-Ramos

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As an accomplished Data Analyst and Statistician with a five-year track record, I excel in transforming complex data into clear, actionable insights using SQL, Python, and Tableau/Power BI. I hold a BA in Mathematical Economics from Pomona College and have enhanced my expertise with the Advanced Google Data Analytics Professional Certificate and the Correlation One Data Science Honors Certificate. Passionate about data science and machine learning, I thrive in multicultural environments, leveraging my fluency in Spanish to drive impactful data-driven strategies. My career is marked by successfully resolving complex business challenges through astute data analysis and effective information management.

SKILLS

Programming & Data Analysis: A/B Testing, Big Query, Jupyter, Numpy, Pandas, Plotly, Python, RStudio, SQL, Stata

Data Visualization & Reporting: Google Looker, Google Sheets, Matplotlib, Microsoft Excel, Microsoft Power BI, Microsoft PowerPoint, Seaborn, Tableau

Data Management & Integration: AWS, dbt (data build tool), ETL Processes, Github, Google Analytics, HTML, Jotform, Marketo, NetSuite, Salesforce

Machine Learning & Advanced Analytics: Keras, MATLAB, OpenCV, PyTorch, Scikit-learn, SciPy, TensorFlow

WORK EXPERIENCE

Figure Financial, Inc • Remote • 01/2023 – 11/2023

Data Analyst & Statistician • Full-time

- Skillfully standardized hundreds of datasets using SQL and Python for IRS Code compliance, facilitating the analysis of 50+ weekly payroll datasets and aiding in the processing of over \$15 million in Employee Retention Credit claims
- Accelerated client data collection by developing 12 Jotform Surveys with complex logic, rules and third-party integrations within a 2-week timeframe, incorporating ETL processes for efficient data extraction and transformation, thereby enhancing data accuracy and availability and contributing to more informed and effective credit substantiation processes
- Utilized Tableau to bring client data to life for ERC Substantiation credit assessments and meticulously crafted custom client form progress dashboards for the Chief Product Officer, driving clear, data-informed strategic planning that contributed to the targeted delivery of \$800 million in tax credits by FY23's end

Hispanic Scholarship Fund • Los Angeles, California • 09/2019 – 12/2022

Senior Manager, Analytics & Data Visualization • Full-time

- Managed 74 Fortune 500/foundation grants using Excel Power Query & Salesforce Databases, enabling effective tracking of partnership levels and sponsorships for critical weekly allocation reports
- Delivered 46 detailed compliance reports within a single month for a \$30M scholarship program, utilizing data extraction from SQL databases to underscore key scholarship recipients
- Developed over 15 Impact Reports for conferences using Tableau and PowerPoint, contributing to services for 415,000+ individuals and achieving organizational NPS of 85, programmatic NPS of 93, and a 9.2/10 satisfaction score
- Orchestrated the monthly distribution of the HSF Insider Email to a 20K student body, leveraging HTML, Marketo, & Dreamweaver to maintain brand consistency and spotlight career opportunities

Correlation One • Remote • 10/2020 – 02/2021

Data Science Fellow & Project Lead • Part-time

- Distinguished as one of the select few (from a pool of 8,500 applicants) for a data analysis mastery program, demonstrating exceptional skill in lectures, cases, and projects alongside seasoned data professionals
- Analyzed NYC Accident Data and proposed road safety audits at high-risk locations, leading to a 37% reduction in accidents by implementing Python analysis and Tableau visualizations
- Guided a team to model the economic impact of NYC boroughs from Opportunity Zones, leveraging IRS and Zillow data in Tableau to enrich living standards analysis within a 3-month period

EDUCATION

Bachelor of Arts in Mathematical Economics

Pomona College • Claremont, California

American Economic Association PhD Summer Training Program

Michigan State University | National Science Foundation • East Lansing, Michigan

CERTIFICATIONS

Google Advanced Data Analytics Specialization • 09/2023 – 11/2023

Google

The Complete SQL Bootcamp: Go from Zero to Hero • 06/2023 – 07/2023

Udemy

Data Science For All / Empowerment 1.0 Honors Certificate • 10/2020 – 02/2021

Correlation One

PROJECTS

BCG Data Science & Machine Learning Job Simulation • 01/2024

Forage

- Completed a customer churn analysis simulation for XYZ Analytics, demonstrating advanced data analytics skills, identifying essential client data and outlining a strategic investigation approach
- Conducted efficient data analysis using Python, including Pandas and NumPy. Employed data visualization techniques for insightful trend interpretation
- Completed the engineering and optimization of a machine learning random forest model, achieving an 85% accuracy rate in predicting customer churn

PwC Switzerland Power BI Job Simulation • 11/2023

Forage

- Completed a job simulation where I strengthened my PowerBI skills to better understand clients and their data visualisation needs
- Demonstrated expertise in data visualization through the creation of Power BI dashboards that effectively conveyed KPIs, showcasing the ability to respond to client requests with well-designed solutions
- Strong communication skills reflected in the concise and informative email communication with engagement partners, delivering valuable insights and actionable suggestions based on data analysis
- Leveraged analytical problem-solving skills to examine HR data, particularly focusing on gender-related KPIs, and identified root causes for gender balance issues at the executive management level, highlighting a commitment to data-driven decision-making