

Arielle Martinez — Data Analyst

Years of Experience: 6
Master of Science in Statistics

ARIELLE MARTINEZ

Data Analyst

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SUMMARY

Seasoned Data Analyst with a Master of Science in Statistics and 6 + years of progressive experience in healthcare analytics, financial forecasting, and technology■driven data solutions. Adept at translating complex datasets into actionable insights using advanced statistical modeling, SQL, Python, and visualization tools to inform strategic decision■making.

- SQL
- Python (pandas, NumPy, scikit■learn, Airflow)
- R (dplyr, ggplot2, caret)
- Tableau, Power BI
- Data Cleaning & ETL
- Statistical Modeling - Hypothesis Testing, Regression, Time Series Forecasting
- Machine Learning (supervised & unsupervised)
- Data Warehousing - Snowflake
- Data Visualization
- Team Leadership & Mentorship

EXPERIENCE

- Collected, cleaned, and analyzed patient outcome data to support clinical research initiatives.
- Developed automated SQL scripts to extract and transform data from the enterprise data warehouse.
- Created Tableau dashboards for department heads, improving reporting turnaround time by 30 %.
- Conducted exploratory data analysis and presented findings in weekly strategy meetings.
- Led cross■functional data projects to forecast loan default risk, integrating machine■learning models into production pipelines.
- Designed and maintained data pipelines using Python and Airflow, reducing data processing time by 45 %.
- Performed advanced statistical analyses (regression, clustering) in R to identify market segmentation opportunities.
- Collaborated with business units to translate quantitative insights into actionable growth strategies.
- Headed a team of four analysts delivering end■to■end analytics solutions for SaaS product adoption metrics.
- Implemented A/B testing frameworks, yielding a 12 % increase in user engagement for the flagship product.
- Coordinated the migration to a Snowflake■based data warehouse architecture, enhancing query performance.
- Provided mentorship and training on statistical best practices across the data science team.

EDUCATION

Master of Science, Statistics - Northwestern University, Evanston, Illinois
2018

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