

[CONTACT INFORMATION]

Name: Eliza T. Rodriguez

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[SUMMARY]

Data Scientist with 4 years of experience applying advanced statistical modeling and **machine learning** techniques to solve complex business problems. Proficient in **Python** and **R** for data manipulation, analysis, and visualization. Specialized in building predictive models that drive strategic outcomes.

[TECHNICAL SKILLS]

Programming: Python (Pandas, NumPy, Scikit-learn, TensorFlow), R, SQL

Machine Learning: Classification, Regression, Clustering, NLP, Deep Learning

Big Data Tools: Spark, Hadoop

Cloud Platforms: AWS (SageMaker), Google Cloud

Visualization: Tableau, Matplotlib, Seaborn

Methodology: A/B Testing, Experimental Design

[PROFESSIONAL EXPERIENCE]

Data Scientist | Innovate Analytics | Boston, MA

(Oct 2021 – Present)

- * Developed a customer churn prediction model using Python and Random Forest, leading to a **15% improvement** in customer retention rate.

- * Designed and implemented A/B testing frameworks for marketing campaigns, optimizing conversion rates.

- * Managed large-scale datasets (10M+ records) in Spark, ensuring data quality and pipeline efficiency.

Junior Data Analyst | FinTech Solutions | Boston, MA

(Sep 2019 – Sep 2021)

- * Performed statistical analysis on financial market data to identify trading patterns.
- * Automated weekly reporting processes using SQL and R, reducing manual labor by 10 hours per week.

[EDUCATION]

M.S. in Data Science | Massachusetts Institute of Technology (MIT) | Cambridge, MA

(2019)

B.S. in Mathematics | Boston College | Chestnut Hill, MA

(2017)