**Brian Cervantes Alvarez** | [Email](http://briancervantesalvarez@gmail.com) | [LinkedIn](http://linkedin.com/in/bcervantesalvarez) | [Website](https://www.datascienceyapper.com/)

**PROFESSIONAL EXPERIENCE**

***Graduate Teaching/Project Assistant***  
Oregon State University, Corvallis, OR | Sep 2023 – Present

* Developed and taught statistical modeling, predictive analytics, and time-series forecasting.
* Guided students in applying advanced analytical techniques, including machine learning and statistical inference, to solve real-world problems.
* Created interactive dashboards and visualizations to communicate complex data insights effectively to non-technical audiences.

***Sales Associate***  
The North Face, VF Corporation, Woodburn, OR | Oct 2019 – Nov 2023

* Analyzed sales data and trends to provide forecasting and predictive insights to optimize inventory and sales strategy.
* Developed analytical reports and visualizations, enabling strategic financial decisions and improved revenue performance.
* Collaborated cross-functionally to implement data-driven recommendations that enhanced customer experience and financial outcomes.

**RELEVANT PROJECTS**

**Enhanced Customer Return Forecasting (Machine Learning & Predictive Analytics)**

* Developed predictive models using machine learning algorithms (Random Forest, regression) to forecast product return behaviors.
* Achieved significant improvements in prediction accuracy, directly influencing financial strategy and operational efficiency.

**Amazon Product Analytics Dashboard (Data Analytics & Visualization)**

* Created an interactive R Shiny dashboard to analyze product performance, driving strategic decision-making through clear data insights.
* Conducted extensive data cleaning, validation, and visualization, enhancing understanding of market trends and financial performance.

**Wine Quality Forecasting (Statistical Analysis & Predictive Modeling)**

* Performed multivariate analyses and predictive modeling to forecast wine quality and market preferences.
* Applied regression and classification models, providing actionable insights into factors influencing product success and revenue potential.

**EDUCATION**

**Master of Science, Statistics (Expected June 2025)**  
Oregon State University, Corvallis, OR

* Advanced coursework in statistical modeling, machine learning, financial forecasting, and time-series analysis.

**Master of Science, Data Science**  
Willamette University, Salem, OR | Aug 2022 – Aug 2023

* Specialization in predictive analytics, machine learning techniques, and advanced statistical methods.
* Developed data-driven models for financial and operational decision-making.

**Bachelor of Arts, Mathematics**  
Linfield University, McMinnville, OR | Aug 2018 – May 2022

* Foundational coursework in mathematics and statistics, supporting strong quantitative analytical skills.

**TECHNICAL SKILLS**

* Programming Languages: Python, R, SQL
* Data Science Techniques: Financial Forecasting, Time Series Analysis, Regression Analysis, Machine Learning (Random Forest, SVM, Gradient Boosting), Statistical Testing
* Tools & Technologies: Git, Docker, AWS, GCP, Jupyter Notebooks, APIs
* Communication & Visualization: Interactive dashboards (Shiny, Quarto), ggplot2, Matplotlib, Plotly

**CERTIFICATIONS & TRAINING**

* Analyze Business Data with SQL – Certification in SQL analytics
* Responsible Conduct of Research (RCR) & Conflict of Interest – CITI Program
* Posit Opportunity Scholarship (2024) – Recognized excellence and innovation in data science