JESUS RODRIGUEZ

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EDUCATION

University of Nebraska-Lincoln   Graduation Date-Dec 2025
Bachelor's in Statistics and Data Analytics   Lincoln, NE
Minor in Mathematics

RELEVANT EXPERIENCE

UNL Department of Statistics   (5mth) Aug 2025-Dec 2025
Teaching Assistant   Lincoln, NE

- **Intro to Mathematical Statistics I - Distribution Theory:**
  - Lead weekly recitation sessions to reinforce lecture material and guide students through complex statistical problems
  - Hold office hours to provide individualized support, answer student questions, and clarify challenging concepts

The Global Career Accelerator   (1yr) Jan 2025-Dec 2025
Data Analyst and Coding for Data Intern   Remote

- **Fall 2025 (SQL and Python):**
  - Hands on experience learning SQL and Python, guided by professionals
- **Spring 2025 (Excel and Tableau):**
  - Analyzed A/B tests to measure understanding of trends and audience behavior for The Recording Academy in Excel using pivot tables and logical functions such as Xlookup
  - Told a story with data by generating visualizations for Intel's Sustainability team in Tableau utilizing charts and dashboards

University of Texas-Medical Branch   (2mth) June 2025-July 2025
Biostatistics and Data Science Summer Intern   Galveston, TX

- Cooperated with biostatisticians, principal investigators, and doctoral researchers to examine clinical burn patient data from TriNetX to better treat burn survivors; ultimately ran a chi-square analysis in R to find an association between patient age and burn size for certain outcomes
- Attended lectures related to advanced statistical methods such as linear regression, mixed models, and machine learning methods
- Presented research analysis findings, translating statistical tables and charts into clear, actionable insights for both technical and non-technical audiences
- Documented data, methodologies, and interpretation of findings to help author research manuscripts

OTHER WORK EXPERIENCE

York Animal Clinic   (7yr 4mth) May 2018-Present
Veterinary Assistant   York, NE

- Communicated and partnered effectively with veterinarians and veterinary technicians to guarantee thorough understanding of patients' needs
- Adapted quickly to changing priorities, worked efficiently under pressure, and collaborated with team members to provide ample care and compassion to both patients and clients

SKILLS

Technical - Statistical modeling (linear/logistic regression, ANOVA), experimental design, power analysis, data management (dplyr, pandas), data visualization (ggplot2, matplotlib), reproducible reporting (Quarto, R Markdown), version control (Git/GitHub), database querying (SQL)

Languages and Tools - *proficient:* R, SAS, Excel, Tableau, Quarto *intermediate:* SQL, Git/Github, Python

INVOLVEMENT

Statistical Cross-disciplinary Collaboration & Consulting Lab — (1 yr) Aug 2024-May 2025

R and SAS Trainee and Assistant Consultant — Lincoln, NE

- **Spring 2025 (R and SAS Workshop):**
  - Participated in a statistical analysis workshop using R and SAS, applying hypothesis testing methods such as t-tests and ANOVA, as well as data wrangling and visualization techniques to datasets
  - Completed guided exercises analyzing datasets with R and SAS, reinforcing statistical concepts and data visualization
- **Fall 2024 (Consultant Collaboration):**
  - Supported two graduate consultants on a client-focused mock experiment on crop survival under drought conditions, assisting with data analysis and contributing to report writing and presentation development
  - Scheduled and engaged in client meetings to align progress and goals, while leveraging mentorship from experienced consultants to strengthen project outcomes

NOTABLE COURSEWORK

Statistical Methods & Design

- **Principles of Statistical Analysis** - Applied statistical inference, hypothesis testing, and model assessment in datasets
- **Principles of Statistical Design I & II** - Designed and evaluated experimental studies using randomized, block, and factorial designs; emphasized applications in biology and applied sciences
- **Statistical Modeling I & II** - Built and interpreted generalized linear models, mixed models, and multivariate techniques for complex data
- **Regression Analysis** - Modeled relationships between variables using simple, multiple, and logistic regression techniques
- **Survey Sampling I** -

Statistical Computing & Professional Skills

- **Statistical Computing in R and Python I, II, & III** - Developed programming skills for data cleaning, visualization, and webscraping using R and Python
- **Analysis of Messy Data** - Applied modern statistical methods to handle missing data, outliers, and multivariate techiques for complex data
- **Technical Statistician Skills** - Strengethend professional skills in data communications, teamwork, reproducible research, and technical writing
- **Statistical Collaboration** - Sharpened skills needed to consult effectively as a statistician

Mathematical Foundations

- **Calculus I, II, and III** - Mastered concepts in limits, derivatives, integrals, multivariable calculus, and vector calculus
- **Linear Algebra** - Applied matrix operations, eigenvalues, and linear transformations to systems of equations and data analysis
- **Differential Equations** - Solved and interpreted ordinary differential equations