

JESUS RODRIGUEZ

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EDUCATION

University of Nebraska-Lincoln

Bachelor's in Statistics and Data Analytics
Minor in Mathematics

Graduation Date-Dec 2025

Lincoln, NE

RELEVANT EXPERIENCE

UNL Department of Statistics

Teaching Assistant

(5mth) Aug 2025-Dec 2025

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

Data Analyst and Coding for Data Intern

(1yr) Jan 2025-Dec 2025

Remote

- **Fall 2025 (SQL and Python):**

- Conducted data analysis using SQL and Python to extract, filter, and manipulate large datasets
- Collaborated with a cross-functional, global team to complete analysis tasks

- **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; demonstrated website split improved engagement (pages per session increased 1.86 to 2.78, bounce rate decreased from 41.6% to 33.7%)
- Told a story with data by generating visualizations for Intel's Sustainability team in Tableau utilizing charts and dashboards

University of Texas-Medical Branch

Biostatistics and Data Science Summer Intern

(2mth) June 2025-July 2025

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
- Coded a folder scraping function to extract prevalence test results from over 22,000 CSV files downloaded from TriNetX and manipulated the results for a proper analysis
- 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

Veterinary Assistant

(7yr 4mth) May 2018-Present

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

(1yr) 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 in SAS 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 techniques for complex data
- **Technical Statistician Skills** - Strengthened 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