Endy Zarate

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Professional Summary

Pivoting into data science as a former educator. Excited to bring the skills I have learned in data science to the fields of education and non-profit work to advance the causes and goals of these organizations.

Education

Willamette University, Salem, OR   Expected Graduation Date: December 2025
Masters of Data Science
Relevant Coursework: Machine Learning, Data Engineering, Survival Analysis

Willamette University, Salem, OR   August 2015 - May 2019
Bachelor of Arts, Economics
Relevant Coursework: Econometrics, Statistics

Skills

Programming Languages: R (Tidyverse, Plotly), Python (Pandas, Numpy, Matplotlib, Seaborn)
Database: SQL
Others: Microsoft Excel, Database Management, Statistical Analysis

Relevant Work Experience

Upward Bound Advisor, Chemeketa Community College, Salem, OR   December 2022 – Present
- Recruited low-income, first generation students to the Upward Bound program by adopting outreach strategies, and streamlining the application process in order to increase college enrollment rates.
- Maintained a database to track graduation, retention, and enrollment rates in order to meet grant objectives and renew it.

Data Specialist, Family Promise of the Mid-Willamette Valley, Salem, OR   May 2021 – December 2022
- Analyzed homeless trends by creating reports and visuals in order to improve the services we provide.
- Conducted housing assessments for families by achieving certification in the HMIS data system in order to increase family rehousing and decrease time spent in shelter.

Safety & Compliance Assistant, Genesee & Wyoming, Salem, OR   November 2019 – February 2020
- Organized important safety and compliance documents and created affidavits to decrease work incident rates.

Operations ASPA, Willamette Academy, Salem, OR   September 2017 – May 2019
- Developed and oversaw workshops for high school students on various subjects from academic enrichment to career exploration to increase program retention and college enrollment rates.

Projects

A Proposal for Increased School Funding: A Data Visual
Throughout our project, my group and I compiled a case and a proposal for increased school funding in order to see an improvement in graduation rates, testing scores and teacher retention rate.

Real Estate Machine Learning:
My group and I created a data pipeline that feeds real estate data from the state of Oregon into an algorithm to determine the features of a property that lead it to sell on the market faster. We are serving our findings through a website.