

Daniel Cavazos

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Student at the University of Washington iSchool studying Informatics with a focus in Data Science and Machine Learning. I am looking to make meaningful insights through exploratory data analytics, hypothesis testing, and statistical models.

Education

University of Washington – Seattle

Sep. 2019 – Est. Jun. 2023

- Bachelor of Science in Informatics, specialization: Data Science
- Minor in Statistics
- UW Grade Point Average – 3.79
- Relevant Coursework: Databases and Data Modeling, Core/Advanced Methods in Data Science, Statistical Computing, Computer Programming I/II, Probability I/II, Statistical Methods in Engineering and Science, Applied Linear Algebra and Numerical Analysis, Professional and Technical Writing

Work Experience

University of Washington iSchool, Teaching Assistant

Sep. 2021 – Present

- Taught INFO 290 (Orientation to Informatics)
- Updated and published assignments, announcements, and general information on the course website
- Presented on the basics of Data Science in Informatics
- Oversaw multiple group projects

K&J Accounting, Administrative Assistant

May. 2019 – Sep. 2019

- Managed calls and interactions with clients
- Recorded client's financial and sales data into relevant systems
- Revised and created Microsoft Excel templates

Activities

WINFO Hackathon

Jan. 2020, Jan. 2021

- Hackathon dedicated to designing for a wide array of issues emphasizing innovation and equity.
- Jan 2020 "Driven by Difference": Scrap Share
- Jan 2021 "Hacking Forward Together": calc-U-l8r

Projects

Analysis of Misinformation Spread via BuzzFeed Articles on Twitter ([link](#))

Analysis of the spread of misinformation in BuzzFeed articles found on Twitter. This analysis uses machine learning methods as well as statistical hypothesis testing to answer questions around this particular spread of disinformation.

- Skills Learned/Used: Jupyter Lab, Python - pandas, matplotlib, sklearn, scipy, networkx – KMeans Clustering, Eigenfactors, Matrix Algebra, Exploratory Data Analysis, 2-sample t-test, 1-way ANOVA F-test

Data Exploration and Visualization of Seattle Housing Permits ([link](#))

A group project exploring 2017-2021 housing permits from the City of Seattle. Includes the use of exploratory data analysis and linear regression to provide insights into how housing permits are distributed throughout the City of Seattle.

- Skills Learned/Used: R – tidyr, dplyr, ggplot2, leaflet – Exploratory Data Analysis, Linear Regression

Skills

Programming Languages:

- R (intermediate) – See Projects
- Python (intermediate) – See Projects
- SQL (beginner – intermediate)
- JavaScript (beginner – intermediate)
- MATLAB/Octave (beginner-intermediate)
- Machine Learning, Data Analysis, Linear Regression
- Git, Github

Organizational Skills:

- Microsoft Office 365: Word, PowerPoint, Excel
- Spanish: Beginner – Intermediate
- Visual Studio Code
- Jupyter Notebook, Jupyter lab
- Team Player
- Fast Learner
- Detail Oriented
- Strategic Thinker/Problem Solver