Hans Elliott

Data Science / Economics

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Skills

Trained In	Data Science, Econometrics/Causal Inference, Statistics, Machine Learning, Economic Theory
Experienced With	Python, R, Shiny & R Markdown, Git, ArcGIS, G-suite, Microsoft Office, LaTeX, Stata
Working Knowledge Of	SQL, Bash Shell, GCP, Docker, Spark, QGIS, Spanish

Education

Master of Science in Economics, *University of Oregon*   Sep 2021 — Jun 2022
- Summa Cum Laude (4.15 GPA).
- Advanced econometrics, micro, macro, machine learning, & data science.
  Personal focus on environmental issues, GIS, & data science.

Bachelor of Science in Economics, *University of Oregon & Robert D. Clark Honors College*   2017 — 2021
- Graduated Summa Cum Laude (4.05 GPA) and with departmental honors.
- Undergraduate economics thesis performing data visualization and analysis with R.

Recent Projects

Data Science Projects.
- *Predicting the Punctuality of Zürich Transit.* Trained regression and classification models to predict the punctuality of tram rides in the Zürich pubic transit network using open data. Available online.
- *Neural Net Package.* Created an R package for regression and classification deep learning tasks using only core-R. Learned the intricacies of neural networks as well as how to create an original R package. Package and Shiny demo available online.

Undergraduate Thesis. Aligning Oregon's Higher Education with a Changing Labor Market: Job Polarization and the Evolving Role of the Community College
- Original research project which utilizes labor market and education data to analyze how student decisions about course enrollment are tied to labor market trends. Successfully defended in Spring 2021.

Work Experience

PROSPECT RESEARCH ANALYST   Jun 2021 — Sep 2021
University of Oregon.   Eugene, OR
- Researched and evaluated potential donors for fundraising office.
- Updated databases and written reports using Microsoft Office suite.
- Gained an understanding of nonprofit operations and research.

CAMPAIGN INTERN FOR MAYORAL CANDIDATE   Mar 2020 — Aug 2020
Friends of Ted Wheeler.   Remote/Portland, OR
- Learned how political campaigns operate. Became immersed in local politics and elections.
- Researched and learned local policy to convey to potential voters.
- Developed ideas and completed projects to distribute election information and political messaging.

LAB AIDE   Jun 2018 — Jun 2021
University of Oregon Bowermab Lab.   Eugene, OR
- Learned how a research lab operates and is maintained.
- Assisted in the production of lab materials for use by researchers, oversaw sanitation and removal of waste.
- Ordered supplies based on demand from the lab, organized and maintained lab resources.

PEER MENTOR   Jun 2018 — Nov 2018
Pathway Oregon (University of Oregon).   Eugene, OR
- Gained experience as a teacher and mentor.
- Mentored incoming UO freshmen in the Pathway scholarship program. Helped them understand university and program requirements and meet deadlines.

Activities

Soccer Coach for Pelada Football Academy   2015 — Present
- Volunteering as an assistant for youth teams since 2015, I am now a paid member of the coaching staff. I run practices and games each week for multiple teams, and perform some administrative duties.

Executive Officer at Delta Tau Delta - Community Engagement   2018 — 2019
Member of the UO Economics club, Society for Ecological Restoration.   2017 — 2022