Clayton Olsen

Cell: (650) 776-2845 ● E-Mail: cyolsen@ucsc.edu

Technical Skill Set

- **R**: Data cleansing, classification models, regression models, data visualization, probability distributions, statistical tests, machine learning classifier models, ggplot2, dplyr, plotly, lasso, random forest
- **Python:** Regression, sci-kit-learn, jupyter notebooks, Keras, TensorFlow, pandas, NumPy, matplotlib
- **SQL:** MySQL, Data cleaning, data manipulation, performance tuning, query optimization
- **Power BI:** Data cleaning and pairing, data visualization, data modeling
- **Tableau:** Data visualization, data analytics
- **Git:** Experience working collaboratively with other developers on company repositories

Work Experience

Data Science Team Intern @ Sparta Science **June 2020 – Present**

- Implementing Keras neural net models for both classification and regression purposes on time-series data
- Computing reliability and performance metrics with data collected from athlete force plate tests
- Python and R development to support company data analysis needs
- Create scripts to interact with AWS cloud services such as S3 and Sagemaker

Albers Front Desk Assistant @ Seattle University **June 2019 – September 2019**

- Made appointments and prepared schedules for student advisors
- Updated records and maintained an organized filing system for student information

Market Research Intern @ Connect the Dots, Dublin, Ireland **July 2018 – September 2018**

- Conducted market analysis for new companies in the corporate wellness sector and competitors
- Participated in case study analysis and displayed data for the wellness activities market
- Made connections with potential customers and helped coordinate events

Projects

UCSC Master's Capstone: UCSC, Fall to June 2021

- Using adaptive Bayesian models to optimize dosing measurement choices for experimental drugs
- Implementing Bayesian methodology in R to study trade-offs between efficacy and toxicity to find the dose level with optimal utility

Seattle Public Utilities Research: Seattle University, Fall 2018

- Analyzed Seattle Public Utilities customer survey data, which solicited customer opinions on environmental sustainability
- Cleaned and combined data sets for applying representative statistical analytics models
- Investigated issues around sustainability and public policy to be used for future analytics curriculum material

Education

Master of Science in Statistical Science

- University of California Santa Cruz, CA
- Graduation: June 2021
- Cumulative GPA: 3.5

Bachelor of Arts in Business Administration, Business Analytics Major

- Seattle University, Seattle, WA
- Graduation: June 2019
- Major GPA: 3.625 Cumulative GPA: 3.528
- *Albers Business School Dean's list, Bellarmine Scholarship recipient, Cum Laude*

Relevant Courses: Intermediate Bayesian Statistical Modeling**,** Linear Statistical Models, Intermediate Bayesian Inference, Generalized Linear Modeling, GIS and Environmental Applications, Statistical Data Analysis, Data Visualization, Econometrics, Information Systems, Quantitative Methods and Applications, Programming and Data Management, Data Mining and Big Data, Law and Ethics for Analytics