

## EDUCATION

<b>Oregon State University, Corvallis</b> MS, Statistics, Coursework: <i>Probability and Mathematical Statistics I, II</i>	Sep 2019 – Present
<b>Colorado State University, Fort Collins</b> MAS, Applied Statistics, Coursework: <i>Data Visualization Methods, Quantitative Reasoning, Design and Data Analysis II, and Linear Algebra I</i>	Jan 2019 – May 2019
<b>University of Washington, Seattle</b> Post-bac, Mathematics, Coursework: <i>Real Analysis I, Mathematical Reasoning, Linear Algebra, Multivariable Calculus, and Computer Programming I</i>	2016 – 2018
<b>University of Washington, Seattle</b> B.S., Earth and Space Sciences, Graduation: March 2014	2009 – 2014

## RELEVANT EXPERIENCE

<b>Data Analyst, Everyone For Veterans, Seattle, WA</b> <i>Everyone For Veterans (E4V), formerly called Serve Our Vets, is a 501(c)(3) nonprofit organization that connects dentists, businesses, and the local community to provide dental care and other goods and services for the low-income, combat veterans in the US.</i>	Jan 2018 – Dec 2018
<b>Independent Researcher, National Taiwan Normal University, Taipei, Taiwan Science Education Center</b> • Conducted an independent project on Monte Carlo outlier detection test using SAS under Professor Yin-Jung Chang's supervision	Sept 2017 – Jun 2018
<b>Marketing Assistant, Roman Catholic Diocese of Taichung, Taiwan Institution for Disabilities and Special Needs</b> <i>Since 1980, the Roman Catholics Diocese of Taichung has set up and maintained 8 disabilities and special-needs training centers in Taichung City, Changhua and Nantou County, Taiwan. Then, the Diocese set up the Institution for Disabilities and Special Needs: Family of Slow-Flying Angels with the mission of helping the rural centers to obtain resources and better cater to those with disabilities and special needs.</i>	Sept 2014 – Mar 2016
<b>Teaching Assistant, University of Washington, Seattle, WA Dept. of Earth and Space Sciences</b> • Assisted in in-class activities, reviewed research prospectus, and commented on presenters' technical and non-technical oral presentations	Jan 2014 – Mar 2014

## PROJECTS

<b>Regression Analysis of Education Data in R, CSU</b> I implemented a locally estimated scatterplot smoothing (LOESS) model and an analysis of covariance (ANCOVA) model to explore the relationship between state standardized tests and several related variables. Data were provided as part of the project, which included test scores, English portion of the score, math portion of the score, student's gender, student's grade, and parents' employment for a total of 1402 elementary school students in the Denver, Colorado area (n=1402). Project was completed in R: base R and ggplot2.	Mar 2019 – May 2019
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**Regression Analysis of Environment Data in R, CSU**

Jan 2019 – May 2019

I implemented a log-log multiple linear regression model with interaction terms and a log-log one-variable polynomial regression model to explore the relationship between CO<sub>2</sub> per capita and several related variables and to test the environmental Kuznets curve (EKC). Data were extracted from the World Bank (WB) database, which included CO<sub>2</sub> per capita, GDP per capita, GNI per capita, energy use per capita, and electric power consumption per capita for a total of 264 countries (n=264). Project was completed in R: base R, ggplot2, and dplyr.

**LEADERSHIP AND ACTIVITIES****Volunteer, Huntington Research, Seattle, WA**

Apr 2014

- Led Q&A session for minority K-12 students and assisted a student with mobility disability for the Science, Technology, Engineering and Mathematics (STEM) Lab Field Trip Program
- Assisted with transfers and positioning of a student with mobility disability

**Volunteer, Heart for Africa, Mbabane, Swaziland**

Jul 2012

- Led children and teenagers through activities, measured their feet for TOMS shoes, and surveyed locals during home visits
- Edited a short film to raise awareness of the life-threatening issues in Swaziland

**Assistant, Goodwill Ambassadors of Taichung Diocese (GDAT), Taichung, Taiwan**

June 2012

- Mediated the communication between the Goodwill Ambassadors of Taichung Diocese (GDAT) team and the Heart for Africa team officials
- Assisted in administrative duties, meetings and trip preparation, and translated proposals between Mandarin and English

**Activities:** Indoor Volleyball Training Program at Taiwan Volleyball Association ('17-'18), Beach Volleyball Training Program at Alki Beach Park and Sandbox Sports ('13-'14), Ladies 2's and Coed 2's Leagues at East Beach Volleyball Center ('12-'13), UW Sand Volleyball Club ('12), UW Women's Club Volleyball ('10-'12)

**SKILLS AND INTERESTS**

**Technologies:** R (base R, dplyr, ggplot2), Python, and ArcGIS; LaTeX; Google Analytics and Facebook Insights; Adobe Creative Suite

**Language:** Proficiency in English and Mandarin; basic French

**Interests:** Spatial statistics, environmental statistics, machine learning, environmental monitoring, resource management, impact assessment, data analysis, data visualization, beach volleyball, skiing, and travel