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EDUCATION

Oregon State University, Corvallis   Sep 2019 – Present
MS, Statistics

Colorado State University, Fort Collins   Jan 2019 – May 2019
MAS, Applied Statistics

University of Washington, Seattle   2016 – 2018
Post-bac, Mathematics

University of Washington, Seattle   2009 – 2014
B.S., Earth and Space Sciences, Graduation: March 2014

Scheduled Coursework: *Large and Complex Data Sets (Big Data), Time Series, Statistical Methods II (Regression Analysis), III (Experimental Design), Theory of Statistics II, III*

Coursework: *Multivariate Analysis, Statistical Methods (Linear Models) I, Theory of Statistics I, Data Visualization, Quantitative Reasoning, Design and Data Analysis II, Probability and Mathematical Statistics I, II, Linear Algebra, Multivariable Calculus*

PROJECT EXPERIENCE

Multivariate Analysis of [Pending] Data in R, Corvallis, OR   Sep 2019 – Dec 2019
Final Project for ST 557 Multivariate Analysis

Regression Analysis of Education Data in R, Fort Collins, CO   Mar 2019 – May 2019
Final Project for STAA 566 Data Visualization
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.

Regression Analysis of Environment Data in R, **Fort Collins, CO**   Jan 2019 – May 2019
Final Project for STAT 512 Design and Data Analysis II
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_2 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_2 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.

OTHER EXPERIENCE

Data Analyst, Everyone For Veterans, Seattle, WA   Jan 2018 – Dec 2018
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.
- Generated reports and dashboards for key marketing and fundraising metrics and evaluations by integrating and analyzing data from a variety of web analytics sites

Independent Researcher, National Taiwan Normal University, Taipei, Taiwan   Sep 2017 – Jun 2018
Science Education Center
- Conducted an independent project on Monte Carlo outlier detection test using SAS under Professor Yin-Jung Chang's supervision

Marketing Assistant, Roman Catholic Diocese of Taichung, Taiwan   Sept 2014 – Mar 2016
Institution for Disabilities and Special Needs

Roman Catholics Diocese of Taichung's Institution for Disabilities and Special Needs: Family of Slow-Flying Angels is a nonprofit organization that helps training centers to obtain resources and better cater to those with disabilities and special needs in Taiwan.

- Initiated nonprofit branding and marketing campaigns and conducted secondary research to assist the team in implementing effective fundraising and charitable sales strategies
- Gave presentations on Nonprofit Brand Management and Strategic Marketing to the staff of 8 affiliated disabilities and special-needs training centers
- Worked alongside the Marketing and PR team of the Eva Green International Hotel, Taichung and additional sponsors to propose, plan and implement a multi-channel fundraising campaign, which raised a total of $130k in 3 months
- Served as the main line of communication for press representatives, corporate sponsors and individual donors

Teaching Assistant, University of Washington, Seattle, WA   Jan 2014 – Mar 2014
Dept. of Earth and Space Sciences
- Assisted in in-class activities, reviewed research prospectus, and commented on presenters' technical and non-technical oral presentations

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   Jun 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, travel