SUNNY (SUNG HEE) HONG

Mobile : (213) 507 - 3125 - Sungheehong@ucsb.edu - 6512 Segovia Road #215 Goleta , CA 93117
Portfolio (https://sunny7x7.github.io)

SKILLS AND ABILITIES

- Good work ethic, influential leader, motivated team builder
- Skilled: R, RMD, Github, Machine Learning (Regression, KNN, Decision Tree, Logistic Regression, Random Forest, LDA, QDA, PCA, Clustering, Kmeans)
- Beginner: Python, Machine Learning (Topic Modeling, Bayesian Inference, Natural language processing), Tableau, PowerBI

ACADEMIC PROFILE

University of California, Santa Barbara

B.S. in Statistics and Data Science
Graduation Date: September 2020

Relevant Courses: Regression Analysis, Introduction to Linear Algebra, SAS Base Program, Bayes Analysis, Time Series, Intro to Stat Machine Learning, Design and Analysis of Experiments

EXPERIENCE

UCSB, Department of Geography (Santa Barbara, CA)

Undergraduate Research Assistant | R, SQL |
Feb 2020 - Present

- Utilizing RSQL and R for large scale data cleaning and data manipulation
- Preparing census data for data manipulation and data analysis using dplyr and RSQL

Channel Islands YMCA Association (Santa Barbara, CA)

Data Science Internship | R, Python, Power BI, Tableau, MapBox | *Aug 2019 - Mar 2020*

- Created an interactive data visualization that can help communicate better with donors
- Utilized R to build models, Power BI to create an interactive map, Tableau to cross-reference ideas, and MapBox to customize a map that brands YMCA

PROJECTS

1994 Census Data

R , RMD | *Mar 2020 - Jun 2020*

- Predictive modeling, Random Forest & Knn to analyze which socioeconomic qualities led to a higher income in U.S.

Time Series : Climate Change

R, RMD | *Feb 2020 - May 2020*

- Forecasted a model to predict monthly climate change in India
- Analyzed and interpreted data with ACF, PACF, AIC, and different diagnostic testing

Impact Map with YMCA

R, Python, Tableau, Power BI | *Jun 2019 - (on hold)*

- Designed an Interactive Map with Power BI through data-driven decisions (NLP, Topic Modeling, Tableau)
- Web scraped data using urllib library and cleaned data using beautifulsoup library in R
- Worked on conducting a unsupervised topic model to generate topics through clustering words in a set of documents

"APP"solutely Successful (Trending Apps)

Project Leader | R, Python, Tableau | *Sept 2018 - Apr 2019*

- Built models like Multiple Regression and Random Forest to predict the values that defined a trendy Android App
- Presented during UCSB Data Science Showcase 2019 as the only team with all female members

LEADERSHIP EXPERIENCES

Data Science Club (UCSB)

Marketing Officer | *Jun 2019 - Jun 2020*

- Led the marketing team by building and marketing club cultures through club events
- Organized social events & general meetings

Epic Movement Club (UCSB)

Women's Team Leader | *Sept 2018 - Jun 2020*
Community Team | *Sept 2017 - Jun 2018*

- Led upperclassmen women on weekly talks, bible studies, discussions, and activities

Wildwood Summer Mission (New Jersey, UCSB)

Student Staff | *Jun - Jul 2018*
Participant | *Jun - Aug 2017*

- Raised approximately $4,000 each summer
- Led a sweater fundraiser for 6 other students and sold 128 sweaters raising an income of $2,560