SUNNY (SUNG HEE) HONG

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SKILLS AND ABILITIES

- Good work ethic, influential leader, motivated team builder
- Skilled: R, RMD, Github, ML(Regression, KNN, Decision Tree, Logistic Regression, Random Forest, LDA, QDA, PCA, Clustering, Kmeans)
- Beginner: Python, Machine Learning Skills (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: 06/2020

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 | *February 2020 - Present*

- Utilizing RSQL for large scale data cleaning and data manipulation
- Conducting EDA on health care resources

Channel Islands YMCA Association (Santa Barbara, CA)

Data/Database/IT internship | R, Python, Power BI, Tableau, MapBox | *August 2019 - March 2020*

- Designed and problem-solved ways to make a meaningful and impactful map

PROJECTS

1994 Census Data

R | *March 2020 - June 2020*

- Built a models (Random Forest & Knn) to predict the income of each observations
- Advanced by using n-fold to predict the best K for Knn

Time Series : Climate Change

R | *February 2020 - May 2020*

- Forecasted a model to predict monthly climate change in India
- Used techniques such as transformation, ACF, PACF, AIC, and different diagnostic testing

Impact Map with YMCA

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

- Designed an Interactive Map with Power BI through data driven decisions (NLP, Topic Modeling,Tableau)
- Web Scraped data & data cleaning : Libraries : urllib
- Topic Modeling with Top30 and Bottom30 non-profit organization's website

APPsolutely Successful (Trending Apps)

R, Python, Tableau | *Sept 2018 - Showcase (April 17, 2019)*

- Team leader for the project 'APPsolutely Successful'
- Built models (Multiple Regression and Random Forest) to predict the values that constructed a trendy Android App
- Presented during UCSB Data Science Showcase 2019

LEADERSHIP EXPERIENCES

Data Science Club (UCSB)

Marketing Officer | *June 2019 - June 2020*
Club Member | *Sept 2018 - May 2019*

- Led the marketing team by initiating marketing club cultures and club events
- Organized events & general meeting

Epic Movement Club (UCSB)

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

- Led upperclassmen women by preparing for weekly talks, studies, discussion, activities based on biblical context.

Wildwood Summer Mission (New Jersey, UCSB)

Student Staff | *June- July 2018*
Participant | *June-August 2017*

- Raised approximately $4,000 each summer
- Lead sweater fundraiser with 6 other students and raised $3,200
- Organized a Korean rice drink fundraiser