Sunny (Sung Hee) Hong

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ACADEMIC PROFILE
- **University of California, Santa Barbara**   *Santa Barbara,CA*
- B.S. in Statistics and Data Science   *Graduation Date: Sept/2020*

EXPERIENCE

Undergraduate Research Assistant at UCSB, Department of Geography   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

Data Science Intern (Channel Islands YMCA Association)   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   Mar 2020 - Jun 2020
- Conducted predictive modeling to analyze which socioeconomic qualities lead to a higher income in U.S.
- Put together an analysis report using ggplot2, class, and random forest libraries in R

Time Series : Climate Change   Feb 2020 - May 2020
- Forecasted a model to predict monthly climate change in India through R
- Analyzed and interpreted data using ACF, PACF, AIC, and different diagnostic testing

Impact Map with YMCA   Jun 2019 - (on hold)
- Designed an Interactive Map with Power BI through data-driven decisions
- Web scraped data using urllib library and cleaned data using beautifulsoup in R
- Worked on conducting a unsupervised topic model to generate topics through clustering words

Project Leader for "APP"solutely Successful   Sept 2018 - Apr 2019
- Built models like multiple regression and random forest to predict the values that defined a trendy App
- Presented during UCSB Data Science Showcase 2019 as the only team with all female members

LEADERSHIP EXPERIENCES

Marketing Officer Data Science Club   Jun 2019 - Jun 2020
- Led the marketing team by building and marketing club cultures through club events
- Organized social events & general meetings

Participant & Student Staff Epic Summer Mission (Wildwood, New Jersey)   Summer 2017&2018
- Led a sweater fundraiser for 6 other students and sold 128 sweaters raising an income of $2,560.

SKILLS: 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