KARINA CAMARENA

CONTACT INFORMATION

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ADDITIONAL EXPERIENCE

BARISTA
STARBUCKS, MAY 2019 - PRESENT

- Proactively fostered teamwork through multiple levels of management to provide customer experiences
- Solved issues in a fast-paced environment using effective communication, listening, and teamwork skills

SKILLS

PROGRAMMING LANGUAGES

- R - Tidyverse, Ggplot2, Plotly
- Python - Scikit-learn, NumPy, Seaborn, Pandas
- SAS
- STATA
- SQL - Microsoft Access, MySQL, R, SAS

LANGUAGE

- Spanish - Fluent

EDUCATION

WEILL CORNELL MEDICINE, NEW YORK, NY
M.S. IN BIOSTATISTICS AND DATA SCIENCE

September 2019 - August 2020

Capstone Project : Identify distinct quality of life trajectories in patients diagnosed with Chronic Obstructive Pulmonary Disease. Then predict the identified life trajectory classes using classification algorithms such as Lasso Regression, Random Forest, and Support Vector Machine.

UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN, IL
B.S. IN STATISTICS, MINOR IN INFORMATICS

August 2015 - May 2019

RELATIVE EXPERIENCE

RESEARCH INTERN | JUNE - JULY 2017
SUMMER INSTITUTE OF BIOSTATISTICS, BOSTON UNIVERSITY

- Analyzed data collected in the Genetic Analysis Workshop 19, The Framingham and The Jackson Heart Study to identify critical health associations between genetic variation and hypertension
- Observed 3 statistically significant gene SNPs using the logistic regression model in R and SAS
- Presented findings to help design future retrospective studies at the School of Public Health at Boston University

STUDENT HEALTH FACILITATOR | NOVEMBER - JANUARY 2019
TIMMY GLOBAL HEALTH MEDICAL BRIGADE, ECUADOR

- Bridged health disparities by raising funds for medicine to provide in Santo Domingo, Ecuador
- Worked alongside students and medical professionals as a Medical Interpreter to provide care to over 500 patients

DATA ANALYSIS PROJECTS

INTERACTIVE DASHBOARD APPLICATION - R
https://karcam19.shinyapps.io/ds1_midterm/

- Performed statistical testing to examine environmental impact of restaurants based on beef cuts
- Designed an interactive application using R Shiny to incentivize restaurants to decrease emissions through data visualizations comparing water, CO_2 emissions, and land usage per cut and cow

UNSUPERVISED LEARNING - PYTHON

- Cleaned, wrangled, and visualized Olympics datasets to examine height-weight relationships between different sports
- Conducted PCA and K-means analysis to predict Olympic sporting events based on athletes' physique

BIOSTATISTICAL ANALYSIS - R

- Applied Wilcoxon Signed Rank Test across region, project type, and awardee degree to explore gender disparity trends in dermatalogy research funding
- Found statistically significant results across all stratifications that female recipients receive less funding (p-value <0.05)