Prakash Krishnan, Data Science Portfolio, Updated February 10, 2022

Object Oriented Programming Project in Python : Application for a business to manage employees, budget and a product list
Links to code https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/Python_OOP_Project/Redesigned_flowers_menu.py https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/Python_OOP_Project/Redesigned_flowers_module.py Link to proposal https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/Python_OOP_Project/Project_1_Proposal_W200_prakash_krishnan.pdf
Pandas Project: Track Covid Cases Nationally and in California
Links to code https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/Pandas_Project/US_COVID-19_National_Data_Analysis.ipynb https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/Pandas_Project/revised_explore_CA_data.ipynb Links to Report https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/Pandas_Project/CoviTrac_Final_Report.pdf
Regression Project in R: Identify the key contributing features that impact the cost of a rapid transit project.
Links to code https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/OLS_Regression_Project/lab2_w203_eels_final%20(2).Rmd Links to Report https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/OLS_Regression_Project/lab2_w203_eels_submittable.pdf
Research Design Project: The African elephant is the largest animal walking the Earth. Numbering three to five million in the last century, African elephant populations were severely reduced to their current levels because of hunting. The purpose of this study is to utilize the predictive power of using NDVI data to determine the movement of elephants to develop strategic insights for elephant conservation, reduce animal-human conflicts and improve ecological balance.
Links to Report https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/Research_Design_Project/Saving_the_Savannah_For_A_Rainy_Day_Research_Design_(W201_Group_D)_.pdf
SQL, Docker, VM Project 1: Demonstration of spinning a VM, Docker Cluster, Running a Anaconda NB and Postgre
Links to code https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/SQL_Project_1/project_1_1.ipynb https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/SQL_Project_1/project_1_2.ipynb

https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/SQL_Project_1/project_1_3.ipynb

https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/SQL_Project_1/project_1_4.ipynb

https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/SQL_Project_1/project_1_5.ipynb

https://github.com/pkkrishnan/UCB_Data_Science_Projects/blob/main/SQL_Project_1/project_1_6.ipynb