Ibrahim Mohamed

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www.ibbymoh.github.io

https://github.com/ibbymoh

Work Experience

Policy Analyst | Klima DAO
Jan 2022 - present
- Researched token mechanisms for future policy implementations.
- Evaluated and wrote proposals to optimize the DAOs liquidity assets during turbulent market conditions
- Created statistical queries of blockchain transactions to allow data driven decisions by the policy team

Data Analyst | IDEMS
Jul 2021 to Sept 2021
- *Disaggregated monthly rainfall totals to daily values by applying statistical manipulations between the daily and monthly data*
- Consolidated and organized rainfall data for weather stations around Haiti stretching back nearly 100 years
- Used the disaggregated monthly data to run Markov models in R to predict the likelihood of rainfall in a particular month

Research assistant | National institute of space research (Brazil)
April 2020 -Aug 2020
- Determined how past climate extremes have impacted communities in North-east Brazil
- Investigated how future climate extremes might impact the socioeconomic development of these communities

Education History

BA Mathematics | University of Oxford
2018-2021

Relevant Courses: *Linear Algebra, Calculus, Probability, Statistics, Numerical Analysis*

Projects

Analyses of Linemen in NFL

- Carried out feature engineering on the dataset using the python sci-kit library to determine the appropriate columns for analysis, remove missing values and apply the necessary standardization.
- Implemented various classification models such as bayes classifier, k-nearest neighbour and support vector machines to predict the players position on the field from factors such as height, weight, speed.
- Optimized the models by tuning the hyper-parameters through an iterative method.
- Created a new statistical weighted measure of the performance of the offensive linemen called 'offensive resistance' .
- Added visualizations of the data using packages such as seaborn.

Personal website

Skills & Specialization

- Python
- Git
- CSS/HTML(familiar)
- R (familiar)