

PROJECTS

Analyzing & Predicting Medical Costs | EDA, Machine Learning

Exploratory data analysis and machine learning algorithms to predict medical costs and perform patient clustering. Built and deployed a model through a Flask API which achieved 86% accuracy using Random Forest regression.

Breast Cancer Classification | Machine Learning, Classification

Using machine learning classification algorithms to determine if various breast cell growths are malignant or benign. Achieved 92% accuracy by using the Random Forest Classifier.

Fatal Police Shootings in USA from 2015-2020 | Exploratory Data Analysis

An exploratory analysis on a data set that details fatal police shootings in the USA from 2015 to 2020. In this project I explore and correlate several factors surrounding police shootings throughout the United States.

African Economic Analysis from 1864 to 2014 | Exploratory Data Analysis

Using Plotly & Seaborn to perform an exploratory data analysis on economic trends in several African countries from 1864 to 2014.

Goodreads Book Rating & Review Analysis | Exploratory Data Analysis

An exploratory data analysis that unpacks book rating data from Goodreads. Performed univariate and bivariate analyses to look at what factors may have an influence on positive or negative book ratings and reviews.

TECHNICAL SKILLS

Data Visualization & Analysis: Matplotlib, Seaborn, Plotly

Programming Languages: Python, SQL

Machine Learning: Classification, Regression, SVM, KNN, Decision Tree, Clustering, Evaluation

Model Deployment: Flask, Heroku

Web development: HTML, CSS

Data Cleaning & Feature Engineering

EDUCATION

Columbia College Chicago

BA Music, 2006

DePaul University

MM Music, 2008

Coursera

IBM Data Science Professional Certificate, 2020

EXPERIENCE

TEACHER

2020

Kokua Education (New York, NY)

- Provided supplementary instruction for NYC charter school students in grades K-12

CURRICULUM DEVELOPMENT CONSULTANT & TEACHER

2019

Noel Pointer Foundation (Brooklyn, NY)

- Developed music theory curriculum & taught voice and piano to students age 8-18

ARTS ADMINISTRATION PROFESSIONAL

2018

Performers Theatre Workshop (Maplewood, NJ)

- Management of student and teacher scheduling and student registration processing
- Database management of student and school information