

Skills

- Languages: R, Python, SQL, CSS, HTML, Javascript
- Statistical modelling: Random Forest, Convolutional Neural Networks, Logistic Regression, Linear Regression
- Other software: git, LaTeX, Tableau

Education

Bachelor of Science, Statistics Major
Simon Fraser University

Sept. 2016 - Dec. 2020

Projects

NBA salary regression Apr. 2021

- Predicted player salaries with their previous year box score stats by scraping and cleaning NBA salary data from website with Selenium to join with box score stats
- Achieved a 34% reduction in root mean squared error from the baseline error with LASSO, random forest, and voting ensemble models

NBA fantasy sports matchup projections Apr. 2021

- Visualized matchup projections with PostgreSQL and Tableau by scraping Yahoo API and NBA API to make matchup predictions based on season averages and number of games left in a week, resulting in top 4 placement out of 12 other teams

Image classification web app Sept. 2020

- Developed a web app with iPyWidgets to classify game screenshots with a convolutional neural network
- Extracted image data from self recordings of the game with ffmpeg to tune model

Volunteering

Machine Learning Technologist - Haiven Sept. 2020 - Present

- Creating audio data pipeline for aggression detection model for app that fights against domestic abuse by alerting authorities if aggression threshold is met
- Scraped 100% of data to be used by the model in the form of audio and video files from Reddit's API in Python

Experience

Front End Dev - Truffles Fine Foods July 2020 - Apr. 2021

- <https://trufflesfinefoods.com/>
- Improved performance rating from 76 to 94 and on Google Lighthouse by converting images into webp format and using cache plugins
- Connected contact form to Tripleseat lead form API, resulting in 7 new customers