+1 (519) 697-1911
david.currie32@gmail.com
linkedin.com/in/davidcurrie32

David Currie

currie32.github.io
github.com/Currie32
kaggle.com/currie32

Education

Udacity - *Deep Learning Nanodegree Foundation* (Syllabus) *January 2017 - June 2017*

Udacity - *Data Analyst Nanodegree* (Syllabus) *August 2016 - October 2016*

McGill University - *Bachelor of Commerce* *September 2010 - May 2014*

Award: Mobility Award for excellent academic standing while participating in an exchange program.

Skills

- Languages: Python, R, SQL, Hive, D3.js, HTML, CSS.
- Software: Excel, Tableau, Amazon Web Services.
- Spoken Languages: German (conversational), French (intermediate).

Projects

Detecting Fish - https://github.com/Currie32/Detecting-Fish-Kaggle *March 2017*

- Ranked in the top 16% for Kaggle's Nature Conservancy Fisheries Monitoring competition, by building two models using Keras.
- One model uses a deeper and wider convolutional neural network (CNN) with a train-test split, and the other uses a shallower and narrower CNN with KFold. Both models use Keras' ImageDataGenerator.

Duplicate Questions - https://github.com/Currie32/Predicting-Similar-Questions *February 2017*

- Predicted if pairs of questions have the same meaning using TfidfVectorizer and Doc2Vec. The questions' cosine similarity was used to measure the difference.

Predicting Destination - https://github.com/Currie32/AirBnB-Predicting-Destination *February 2017*

- Built a neural network, using TensorFlow, to predict the five most likely countries (out of twelve) a new user of AirBnB will book their first trip to.

Bike Sharing Services - https://github.com/Currie32/Bike-Sharing-in-SF-and-Seattle January *2017*

- Compared the bike sharing services in San Francisco and Seattle, using R and Plotly, to understand how their riderships differ based on daily conditions.
- Created a regression model in Python, using an ensemble of algorithms, that could predict the daily ridership in San Francisco, with a median absolute error of 47 trips per day.

Water Pumps - https://github.com/Currie32/Water-Pumps-DrivenData *December 2016*

- Developed a classification model, using R, that could predict, with over 82% accuracy, if a water pump in Tanzania is functioning, functioning + needs repair, or not functioning. Scored in the top 3% of competitors.

Experience

Project Reviewer *January 2017 - Present*
Udacity; Remote

- Consistently earned 5-stars for reviews by providing specific feedback, and encouraging comments to help students complete their projects.

Division Leader *June 2016 - August 2016*
Timber Lake Camp; Shandaken, New York

- Coordinated with counsellors to help campers make and keep friendships via organized activities, resulting in 100% re-enrolment of the division's twenty-eight campers.
- Coached and challenged counsellors to improve their talents, which helped eight out of the division's eleven counsellors earn the highest evaluation grade.