Russell Brown

I am a data scientist seeking to manipulate data, provide useful analysis, and create visualizations. I take pride in acquiring a fundamental understanding of the issues at hand and helping others to achieve the same. I use methodical and data-driven analysis to determine the best course of action in the face of uncertain outcomes.

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Check Out My Website:
rnbrown.github.io/rnbrown

EDUCATION

University of Maryland, College Park – 5/21/17 - BS Mathematics
- Object-Oriented Programming
- Java, MATLAB
- Statistics
- Actuarial Mathematics

EXPERIENCE

Data Analyst: September 2017 – Present
- *Neurocode, Rockville, MD*

I used the Psycopg2 library to write PostgreSQL queries and read data from a multi-million-row data base into Python. I wrote scripts to clean and pre-process data for use in the Scikit-Learn library, and I employed various statistical techniques such as clustering and time series analysis to develop fraud detection models for use in the 2020 census.

Professional Poker Player: August 2015 – Present
- *Self-Employed*

Private Tutor (Math, Physics, Chemistry): August 2008- May 2013

TRAINING AND CERTIFICATIONS

Data Science Immersive Student: June 2017 – September 2017
- *General Assembly, Washington, D.C.*

Took a 500-hour full time data science course that was focused on implementing cutting-edge machine learning techniques. Within the context of this course, I built a webscraper and model to predict salary ranges on Indeed.com. I also built a model to predict outbreaks of West Nile Virus in Chicago. For my capstone project, I analyzed home mortgage application data for evidence of redlining.

Deeplearning.ai, Deep Learning Specialization: 3/1/2018:
- Neural Network Optimization
- Convolutional Neural Networks
- Sequence Models

Google Foobar, Level 5: 10/17/2017
- Creative Coding Challenges

Society of Actuaries, Exam FM - Financial Mathematics: 2/17/2015
- Bond Math, Time Value of Money, Expected Value Calculations

Society of Actuaries, Exam P - Probability: 7/17/2014
- Combinatorics and Probability

SKILLS

Machine learning:
Deep Learning, Predictive Modeling, Data Analysis, Natural-Language Processing, Data Wrangling, Statistics

Programming Languages:
Python, R, SAS, SQL, Java, MATLAB, Mathematica, Javascript

Libaries & Packages:
Tensorflow, Keras, Scikit-learn, Nltk, Scipy, Seaborn, Bokeh, Flask, Xgboost, Numpy, Pandas, Statsmodels, Beautifulsoup, Selenium

Software and Tools:
Jupyter notebook, Tableau, Excel, Git, Github, Spyder, Eclipse, UNIX, LaTeX, Google Cloud, Amazon Web Services, Heroku

Other:
Teaching, Public Speaking, Web Scraping, API Handling

Languages:
Mandarin Chinese (conversational)