Gordon Fleetwood

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An individual with a formal background in Mathematics versed in Data Science using Python and R.

EDUCATION

NYC Data Science Academy: Data Science Bootcamp (September 2015 – December 2015)
CUNY Queens College: M.A with a Concentration in Applied Mathematics (February 2013 - May 2014)
CUNY Queens College: B.A in Mathematics with a minor in Computer Science (February 2009 – December 2012)

WORK EXPERIENCE

New Classrooms: Data Analyst (January 2017 – Present)

- Collaborated with Business Analysts and stakeholders to find the best way to make analyses actionable
- Fulfilled data requests across the organization
- Used Bayesian Statistics to evaluate optimal learning pathways for students to retain mathematical knowledge

NYC Data Science Academy: Teacher and Teaching Assistant (March 2016 – October 2017)

- Worked with online students (individual and corporate) to understand Data Science. This included grading homework and supervising projects
- Taught Python Machine Learning to weekend students using the scikit-learn API

Open Data Science Conference: Data Science Associate (January 2016 – May 2017)

- Wrote original and curated Data Science content for the company's blog covering both analysis and news
- Served as a general point of reference with respect to the world of Data Science in the company's day to day operations

CUNY Queens College: Adjunct Instructor (September 2014 – May 2017)

- Taught several Mathematics classes including Algebra for Precalculus, Calculus, and Discrete Mathematics

GoldBean: Algorithm Consultant (June 2014 – February 2015)

- Began the construction of an algorithm using financial data to drive stock recommendations.

SELECTED PROJECTS

- **Kickstarter Funding**: Scraped and analyzed Kickstarter data to predict funded projects using the R Machine Learning library caret. The final model was an ensemble of a Logistic Regression classifier built on numerical features and a Random Forest model built from text features. It achieved close to 83% accuracy on unseen data compared to a baseline of 60%.

- **Hate Speech**: Used scikit-learn and the NLTK package to build a hate speech classifier app using Twitter data. The final model consisted of a Random Forest Classifier, and achieved 76% accuracy on unseen data, a 26% increase over the baseline accuracy of 50%.

TECHNICAL SKILLS

- Programming Languages: Python, R, SQL
- Data Science: tidyverse, pandas, scikit-learn. shiny
- Other: Linux, Git, Jupyter Notebook, RMarkdown