

MAXIME BOUADOUMOU

DATA SCIENTIST

TECHNICAL SKILLS

Software and Programming Languages:

Python (Beautiful Soup, IPython, NLTK, Numpy, Pandas, Scikit-learn, Scipy, SQLAlchemy), Spark, SQL, R, Git, & HTML

Machine Learning:

Linear Regression, Logistic Regression, Ensemble Classifiers (Baggings, Boosting and Voting), Ensemble Repressors, Naïve Bayes Classifier, Clustering, PCA, DBSCAN, Lasso and Ridge, ARIMA, KNN, Pipelines

Statistical Methods: Bayesian Statistics, Regression Models, Hypothesis Testing

Data Visualization: Tableau, Matplotlib, Seaborn

EDUCATION

Ph.D. in Math and Statistics

Georgia State University
Atlanta, GA, Expected 2019

- SAS Certified Statistical Business Analyst Using SAS 9: Regression and Modeling
- SAS Certified Advanced Programmer for SAS 9
- SAS Certified Base Programmer for SAS 9

Data Science Immersive certificate

General Assembly (GA)
Atlanta, Georgia, December 2017

Master's in Science in Statistics

Georgia State University
Atlanta, GA, May 2011

Bachelor of Science Computer Information System

Georgia State University
Atlanta, GA

CONTACT

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W: bkmaximet.github.io/DSI_Plus_Portfolio

PROFESSIONAL SUMMARY

Data scientist with an insatiable desire to continue using machine learning techniques, statistics, and Apache Spark. Hands on experience building predictive models with survival analysis and modern machine learning algorithms in solving complex problems; experience in visualization techniques such as Tableau, Seaborn and Matplotlib. Possess a comprehensive background in leadership, and critical thinking. Career supported by a Bachelor's of Science in Business Administration, a Master's in science in statistics, and a pursuit of a PhD in Math and Statistics.

DATA SCIENCE EXPERIENCE

Data Science Immersive

September - December 2017

General Assembly - Atlanta GA

- A 12-week full-time program with 600+ hours of professional training and practices of data science
- Build, implement, and evaluate data science problems using machine learning models and algorithms
- Perform visual and statistical analysis on data using Python and its associated libraries and tools

Capstone – Tweet prediction

- Created a method to pull a list of tweets of major news organizations from the Twitter API
- Engineered sentiment feature in the text data (tweets) using TextBlob
- Built a model using pymc3 (MCMC) to estimate difference in tone between AM/PM tweets
- Used neural network techniques (Keras) to predict whether a tweet was posted in AM or PM

Ames Housing and Kaggle Competition

- Predicted a price of a house at sale using various regression techniques
- Predicted whether a house sale was abnormal or not
- Successfully completed the two challenges and Ranked 2nd / ~ 55 GA students in 5 different markets

US Department of Education dataset

- Assembled a dataset for investigating colleges and universities through an API from the government
- Built a multiclass classification model using keras

Drug Addiction in the US

- Analyzed the data and recommended policy changes
- Created a testable hypothesis about two of the most use drugs

ADDITIONAL EXPERIENCE

Graduate Teaching Assistant

Jan 2017 – August 2017

Georgia State University - Atlanta GA

- Taught Elementary Statistics courses to undergraduate students
- Introduced basic probability and distribution of random variables, descriptive statistics, estimation and hypothesis test for means and proportions, regression and correlation, and inference for two-way tables

Morehouse College - Atlanta GA

Jan 2015 – May 2015

- Taught basic statistic to undergraduate students
- Designed and presented comprehensive course plan

Data Analyst

May 2012 – Dec 2014

- Dekalb Community Service Board-Decatur GA
- Manipulated, cleaned & processed data using R, Pandas, Excel, Access
- Wrote SQL queries to manipulate data for data loads and extracts
- Used regression and classification techniques to predict various outcomes

AWARDS

2017 KAGGLE CONTEST:

Ames Housing Data Regression & Classification

Rank 2nd overall, out of 55 General Assembly students in 5 different markets