

# Doug Raffle

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## EDUCATION

### WEST VIRGINIA UNIVERSITY

MS IN STATISTICS

Aug. 2015 | Morgantown, WV

### CALIFORNIA UNIVERSITY OF PENNSYLVANIA

BS IN COMPUTER SCIENCE

MINOR IN MATHEMATICS

Grad. May 2013 | California, PA

## LINKS

**Portfolio://**

[stat.wvu.edu/~draffle/portfolio.html](http://stat.wvu.edu/~draffle/portfolio.html)

**Github://**

[github.com/raffled/](https://github.com/raffled/)

**LinkedIn://**

[linkedin.com/in/raffled](https://www.linkedin.com/in/raffled)

## SKILLS

### MAJOR SKILL SETS

Data Technologies

Statistical Modeling

Multivariate Analysis

Data Mining/Machine Learning

Big Data Analytics

Software Development

Data Visualization

Text Mining

Technical Writing/Presentation

### TECHNOLOGIES/PLATFORMS

Microsoft Office

JMP

Hadoop/MapReduce

Linux/Unix

RStudio

### PROGRAMMING LANGUAGES

Strong

R

HTML/XML

LaTeX

Markdown/R Markdown

Familiar

C/C++

Java

JavaScript

LISP

Python

SQL

## EXPERIENCE

### MYLAN PHARMACEUTICALS | SPECIALIST, CONSUMER INSIGHTS

Aug. 2015 - Present | Morgantown, WV

- Use statistical models and machine learning algorithms to analyze Mylan's products, customers, and competitors using R.
- Consult with other departments to test and revise their assumptions.
- Create regular reports on our product markets for company-wide distribution.
- Design presentations summarizing Mylan's major product markets, including product and competitor performance, for senior leadership.
- Maintain product databases used in the above responsibilities.

### WEST VIRGINIA UNIVERSITY | GRADUATE TEACHING ASSISTANT

Aug. 2013 - Aug. 2015 | Department of Statistics | Morgantown, WV

- Taught and designed coursework for laboratory and lecture sections of undergraduate Statistics courses.
- Worked in our Statistics Tutoring Center to help students master concepts.
- Worked with the director of the Master's of Data Science program to design online coursework.

### WEST VIRGINIA UNIVERSITY | GRADUATE RESEARCH ASSISTANT

May 2014 - Sept. 2014 | West Virginia Dialect Project | Morgantown, WV

- Consulted with linguists on evaluating and creating analysis workflows.
- Built and evaluated Linear and Generalized Linear Mixed Effects models used in the investigation of sociolinguistic trends.

### CALIFORNIA UNIVERSITY OF PENNSYLVANIA

UNDERGRADUATE RESEARCH ASSISTANT

Sept. 2010 - May 2013 | The Lexomics Project | California, PA & Norton, MA

- Used statistical models and machine learning algorithms to analyze works of literature for stylistic variation and analyze the features that are most indicative of clustering behavior.
- Presented at several conferences and co-authored a paper explaining our methodology and results.
- Worked directly with professors of Statistics and Computer Science to develop, test, and document software for performing and visualizing cluster analysis in text mining.

## CONSULTING

### SELLITTI, NOGAY & MCCUNE, PLLC

June 2015 | Weirton, WV

- Analyzed a survey conducted by the court to determine if local news stories had biased potential jurors against the defendant in a murder case.
- Wrote a report used as evidence in a hearing to determine if outside jurors needed to be used.

## AWARDS AND GRANTS

2014 Outstanding Graduate Teaching Assistant Award (WVU)

2012 Second Place - Student Scholarship and Creativity Day (CalU)

2011 Jesse B. Guttman Student Research Grant

2011 Third Place - Student Scholarship and Creativity Day (CalU)