

# Doug Raffle

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## EDUCATION

### **MS IN STATISTICS**

West Virginia University, 2015

### **BS IN COMPUTER SCIENCE**

MINOR IN MATHEMATICS

California University of Pennsylvania, 2013

## TEACHING EXPERIENCE

### **LECTURE INSTRUCTOR | 2015**

West Virginia University, Department of Statistics

Course: Understanding Statistics

### **LAB INSTRUCTOR | 2013 – 2015**

West Virginia University, Department of Statistics

Courses: Elementary Statistical Inference, Understanding Statistics

## INDUSTRY EXPERIENCE

### **SPECIALIST, COMMERCIAL INSIGHTS | 2015 – PRESENT**

Mylan Pharmaceuticals | Morgantown, WV

As a member of the Commercial Insights team, I apply statistical methods in the business setting by:

- Using statistical models and machine learning algorithms to perform market intelligence analysis and performance analytics for Mylan's products, business units, customers, and competitors.
- Consulting directly with other departments to provide ad-hoc statistical analyses to answer specific business questions.

## OTHER ACADEMIC EXPERIENCE

### **GRADUATE TEACHING ASSISTANT | 2013 – 2015**

West Virginia University, Department of Statistics

In addition to teaching responsibilities, my teaching assistantship at WVU also included:

- Designing Quality Matters compliant online coursework for WVU's Masters of Data Science program
- Providing one-on-one tutoring for all of the Statistic Department's undergraduate courses
- Designing and modifying homework, quiz, and test questions in Pearson's MyStatLab to fit with other professors' curricula

### **GRADUATE RESEARCH ASSISTANT | 2014**

West Virginia University, Department of Statistics

I consulted with the West Virginia Dialect project, performing statistical analysis and training linguists and undergraduate researchers in statistical methods and data visualization

## PUBLICATIONS

Downey, S., Drout, M.D.C., Kerekes, V., and Raffle, D. (2014). "Lexomic Analysis of Medieval Latin Texts," *Journal of Medieval Latin* 24, 225-74.

## CONFERENCE PRESENTATIONS

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| 2015 | <p>"An Introduction to Realtime Computation with RStorm and twitterR"<br/>Douglas Raffle<br/>Presentated at: The 45th Symposium On The Interface of Computing Science And Statistics. June 13, 2015.</p> <p>"twitterRStorm: Prototyping a Streaming Framework for Analyzing Tweets with Storm"<br/>Douglas Raffle<br/>Tutorial Given at: The 45th Symposium On The Interface of Computing Science And Statistics. June 13, 2015.</p>   |
| 2013 | <p>"Using a Discussion-Based Approach in an Upper Level Statistics Course"<br/>Douglas Raffle, Melissa M. Sovak<br/>Peer-Reviewed Presentation at: The United States Conference on Teaching Statistics. May 17, 2013.</p>  |
| 2012 | <p>"Computational Analysis of Medieval Latin: Using Computational Linguistics to Identify Borrowed and Interpolated Material from Medieval History Texts"<br/>Sarah Downey, Douglas Raffle<br/>Presented at: The California University of Pennsylvania Faculty and Professional Development Committee Lunch Series. November 17, 2012.</p> <p>"LightSIDE and Lexomics: Comparing the Results of Supervised Machine-Learning Classification Algorithms to Agglomerative Hierarchical Cluster Analysis in the Identification of Borrowed or Interpolated Material in Medieval Latin Manuscripts"<br/>Douglas Raffle<br/>Presented at: California University of Pennsylvania Student Scholarship and Creativity Day. April 24, 2012.</p> <p>"Latin Lexomics 1: Research Methods"<br/>Douglas Raffle<br/>Paper presented at: The English Association of Pennsylvania State Universities Conference. April 7, 2012.</p> |
| 2011 | <p>"Computational Analysis of Medieval Latin"<br/>Douglas Raffle<br/>Presented at: California University of Pennsylvania Student Scholarship and Creativity Day. December 1, 2011.</p> <p>"Latin Lexomics: Using Computational Linguistics to Identify Borrowed and Interpolated Material from Medieval History Texts"<br/>Veronica Kerekes, Douglas Raffle, Joshua Solomon, Richard Williams<br/>Presented at: California University of Pennsylvania Academic Excellence Days. April 20, 2011.</p> <p>"Latin Lexomics: Using Computational Linguistics to Identify Borrowed and Interpolated Material from Medieval History Texts"<br/>Veronica Kerekes, Douglas Raffle, Joshua Solomon, Richard Williams<br/>Presented at: The 2nd Annual Intersections Undergraduate Research Conference. April 15, 2011.</p>   |

## AWARDS AND GRANTS

2014	WVU Eberly College of Arts and Sciences' Outstanding Graduate Teaching Assistant Award, Department of Statistics
2012	Second Place - California University of Pennsylvania's Student Scholarship and Creativity Day
2011	Jesse B. Guttman Student Research Grant Third Place - California University of Pennsylvania's Student Scholarship and Creativity Day

## 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://linkedin.com/in/raffled)

## REFERENCES

### **MICHAEL MAYS**

Chair

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West Virginia University

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### **E. JAMES HARNER**

Professor

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### **HUEY MIIN LEE**

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### **SARAH DOWNEY**

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