Doug Raffle

raffled@gmail.com | http://stat.wvu.edu/~draffle/ | 724.518.7446

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
Github://
github.com/raffled/
LinkedIn://
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

WEST VIRGINIA UNIVERSITY | Graduate Teaching Assistant
Aug. 2013 – Aug. 2015 | Department of Statistics | Morgantown, WV
- Taught a lecture section of an introductory level Statistics course.
- Taught and graded laboratory sections of undergraduate Statistics courses, where the students review concepts and get hands-on experience using Statistics to solve realistic problems.
- 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.
- Cleaned, shaped, and performed Exploratory Data Analysis on large data files generated by speech-processing software (Praat).
- Built and evaluated Linear and Generalized Linear Mixed Effects models used in the investigation of sociolinguistic trends.
- Reported results in a manner accessible to wide audiences.

CALIFORNIA UNIVERSITY OF PENNSYLVANIA
Undergraduate Research Assistant
Sept. 2010 – May 2013 | The Lexomics Project | California, PA
- Used Hierarchical Clustering algorithms to analyze works of literature for stylistic variation.
- Presented at several conferences and co-authored a paper explaining our methodology and results.

THE WHEATON LEXOMICS GROUP | Research Intern
Summer 2012 | Wheaton College | Norton, MA
- Worked directly with professors of Statistics and Computer Science to develop, test, and document software for performing and visualizing cluster analysis in text mining.
- Evaluated and implemented various machine learning and statistical methods to further analyze the features that are most indicative of clustering behavior and perform cluster validation.

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)