Doug Raffle

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EDUCATION

WEST VIRGINIA UNIVERSITY
MS in Statistics
Expected 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

SUMMARY

I am a data scientist and statistician with a strong background in both software development and statistical analysis. My experience in teaching and research has allowed me the opportunity to not only learn and implement a variety of statistical and machine learning models, but to hone my presentation skills and work closely with experts in a variety of fields. My goal is to find a challenging position where I can solve novel problems and make data-driven policy recommendations.

EXPERIENCE

WEST VIRGINIA UNIVERSITY | Graduate Teaching Assistant
August 2013 – May 2015 | Department of Statistics | Morgantown, WV
- Work with lecturers and professors to develop teaching and evaluation strategies.
- Teach and grade for laboratory and lecture sections of undergraduate Statistics courses, where the students review concepts and get hands-on experience using Statistics to solve realistic problems.
- Work in our Statistics Tutoring Center to help students master coursework from any of our department's classes, from 100- to 400-level, in a one-on-one environment.

WEST VIRGINIA UNIVERSITY | Graduate Research Assistant
May 2014 – Sept. 2014 | West Virginia Dialect Project | Morgantown, WV
- Consulted with linguists and to evaluate and create analysis workflows.
- Cleaned, shaped, and performed Exploratory Data Analyis 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.

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)