

ADAM OKULICZ-KOZARYN

Department of Public Policy & Administration
Rutgers, The State University of New Jersey - Camden Campus
401 Cooper St Camden, NJ 08102

T: 972-408-6919
adam.okulicz.kozaryn@gmail.com
<http://aok.mo00.com>

Dear Search Committee:

January 21, 2019

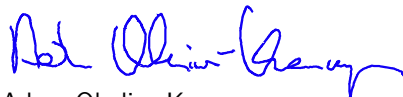
I am responding to your advertisement for the Associate or Full Professor: Data Science-Multiple Areas (Job #JPF01994).

By training, teaching, and publications I am a social scientist (see CV). Data science has been my hobby and I yet need to find a job where I can use it more. I am extremely excited about the new Computational Social Science (CSS) field, because I am realizing that there is actually a field for what I have been doing for about ten years. I have been a computational social scientist before the term was coined, and certainly before I have heard of it in 2009 Science article. I have started data science adventure in 2006 when I built my first Linux server and have been analyzing social science data using computer science tools ever since.

As a social scientist, I have many unique computer skills. I can use and manage Linux servers. I regularly use Linux tools for CSS, such as Sed and Bash scripting. I know a general programming language (Python). I have administered databases (MySQL). I use Geographic Information Systems (GIS). I am an expert in data management, analysis, and visualization using Stata. I have ten years of experience using Stata for managing and analyzing social science datasets, some of which were considered quite large at a time (approx. 30GB). I have been processing unstructured data (e.g., <https://goodreads.com>; approx. 200GB) and doing text analysis using Python's NLTK. Instead of spelling out my technical skills, I list them at the bottom of this document. My nontechnical strength is that I already have a network of CSS collaborators—my coauthors include computer scientists and computational social scientists. Our recent paper analyzing twitter data was featured on MIT Technology Review.

Finally, as I am passionate about doing CSS, I am also passionate about teaching it—I was lucky to develop from scratch and teach a data management class (evaluations attached) and I have truly enjoyed it.

Sincerely,



Adam Okulicz-Kozaryn

Programming skills:

- Stata expert
- Python advanced
- SQL intermediate
- BASH intermediate
- R intermediate
- PHP beginner
- SAS beginner

Markup Languages:

- LaTeX expert
- HTML expert
- CSS expert
- OrgMode intermediate
- KML intermediate
- XML beginner

Computer Skills:

- Data Mgmt expert
- Linux expert
- Visualization expert
- Data Analysis advanced
- SysAdmin intermediate
- Text processing intermediate
- Data Mining beginner

Other Relevant Software:

- Emacs advanced
- QGIS advanced
- GIT advanced
- Geoda advanced
- SED advanced
- Cron intermediate
- MySQL intermediate