STAN LUBANSKI

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CAREER PROFILE

Researcher and data analyst with five years of experience working with organizations spanning state education departments to top-ranked research universities. For these organizations, I cleaned and merged data sets, programmed statistical models, and translated clients' questions into data-driven answers.

My professional competencies include: *R programming, Data Analysis, Data Cleaning, Data Merging, Exploratory Data Analysis, Regression, Logistic Regression, Analysis of Variance, Causal Inference, Experimental Design, Multi-level Models, Presentations, Microsoft Excel, SQL, IBM SPSS, Python, SAS*

CAREER HIGHLIGHTS

- Analyzed and cleaned large secondary data sets from the Iowa Department of Education and survey data collected by the University of Wisconsin-Madison.
- Aided in evaluation of the effectiveness of a state-wide educational program by implementing multi-level regression models with multiple imputation in R
- Designed original statistical methodology which reduced uncertainty estimates by 10%.
- Reduced computing time on multiple imputation program 90% by implementing parallel computing.

PROFESSIONAL EXPERIENCE

University of Wisconsin-Madison, Madison, WI   2015-present
Data Analyst/Project Assistant - Study of Iowa High Schools (2015 – present; 20 hours/week)

- Cleaned and merged eight datasets encompassing student and teacher data from 12 student cohorts and over 300 schools.
- Identified data inconsistencies by exploring the data in R and comparing with multiple sources; collaborated with state education department to revise the data.
- Executed multi-level regression and matching analyses in accordance with project proposal.
- Co-authored report of finding on program effectiveness to grant funders.

Statistical Consultant – Department of Educational Psychology (2017 – 18; 5 hours/week)

- Consulted for five client projects, advising on proper statistical procedures, interpretation of primary research questions, and data visualizations in R

Freelance, Minneapolis, MN   2018-present
Statistical Consultant (5-10 hours/week)

- Advised clients on which statistical tests to use and how best to visualize, summarize, and interpret results
- Predicted survey outcome probabilities with multinomial logistic regression
- Composed documentation and interpretation of results for several statistical procedures, including t-tests, sign-tests, analysis of variance, latent correlations, and logistic regression

Arizona State University, Tempe, AZ   2007-15
IT Student Worker (10-20 hours/week)

- Maintained computer labs and classrooms serving more than 4,000 students
- Coordinated with clients and supervisors to prioritize customer service requests and then resolve them efficiently
- Troubleshot and upgraded hardware and software on PCs and Apple computers

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PROFESSIONAL DEVELOPMENT

Northwestern University, Evanston, IL   2017

- Completed 10-day workshop on quasi-experimental design and analysis
- Assisted other attendees with R coding questions

EDUCATION

University of Wisconsin-Madison, Madison, WI   2015-present

- M.S., Quantitative Methods in Educational Psychology (2018)
- Statistics minor
- Relevant courses: Multiple Regression, Quasi-Experimental Design, Categorical Data Analysis, Structural Equation Modeling, Hierarchical Linear Modeling, Multivariate Analysis, Test Construction, Mathematical Statistics I & II

Arizona State University, Tempe, AZ   2007-13

- B.S., Psychology
- Relevant courses: Analysis of Variance, Experimental Psychology

OTHER RESEARCH EXPERIENCE

Arizona State University, Tempe, AZ   2013

Research Assistant - Evolution, Ecology, and Social Behavior Lab (8 hours/week)

- Guided and monitored human participants during experiments using a script
- Identified key pieces of information while searching through text files and articles
- Gathered data and materials for new experiments using web search
- Entered data into Excel spreadsheets

EXTRACURRICULAR & VOLUNTEER ACTIVITIES

Shorin-Ryu Karate Club, Madison, WI   2016–19

President 2018-19

- Planned two club functions, recruited new members, helped lead classes of 15+ students