

DANIEL KING

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SCIENTIFIC EXPERIENCE

Northwestern University | Language and Cognition Lab | Evanston, IL

September 2017 - June 2023

Quantitative Behavioral Researcher

- Analyzed complex multidimensional datasets using advanced statistical modeling techniques (e.g., mixed effect models, nonparametric approaches), identifying novel language metrics predicting language comprehension and publishing the results in 3 peer-reviewed scientific journals
- Designed and executed over 20 end-to-end quantitative behavioral experiments, culminating in the development and publication of a new model of language processing
- Automated data analysis processes by pioneering a new technique for automatic text analysis, decreasing analysis time from weeks to minutes and reducing labor costs and error rates
- Translated complex findings into 3 peer-reviewed publications and 7 conference presentations to interdisciplinary audiences
- Managed 3-5 simultaneous projects and deliverables (analyses, articles, presentations) annually

Psychoacoustics Lab | **University of Connecticut Health Center** | Farmington, CT

June 2015 - August 2017

Research Assistant II, Neuroscience

- Managed the collection, storage, organization, and updating of participant datasets across 2-3 projects simultaneously
- Developed a new workflow for efficient and automatic summarization of key variables of interest that reduced reporting error rates

APPLIED EXPERIENCE

The Red Bee Group | Chicago, IL

January 2022 - October 2022

Data Analyst (Contracted consultant)

- Built and fielded large-scale surveys (20,000+ respondents) identifying key factors impacting women lawyers' career trajectories
- Analyzed survey results and translated statistical findings into comprehensive reports used to inform client DEI initiatives
- Designed and programmed new R framework that automated reporting while maintaining flexibility across use cases and projects

Product Ventures | Fairfield, CT

September 2012 - June 2015

Manager, Consumer & Market Research

January 2015 - June 2015

- Project lead for online and in-person quantitative and qualitative consumer research in CPG space
- Informed design recommendations by translating client knowledge needs into research designs, uncovering key consumer needs, attitudes, behaviors, and purchase drivers

Associate, Consumer & Market Research

September 2012 - December 2014

- Moderated over 15 qualitative online, in-store, and in-home ethnographies and focus groups that uncovered real-world product usage behavior and consumer attitudes
- Collaborated as part of a cross-functional team, synthesizing empirical findings with inputs from design and engineering teams to develop creative, engaging, and convincing reports detailing design recommendations
- Increased participant engagement in online ethnographies by designing and implementing new gamification system
- Designed and implemented a new participant tracking database, improving recruitment and screening efficiency

SKILLS

- Programming: R (data wrangling, statistical modeling, visualization), Python (general programming), SQL
- Statistics: linear and logistic mixed-effect modeling, multivariable regression, nonparametric methods, ANOVA, *t*-tests
- Data visualization and results communication
- Excel: (Proficient in formulas; e.g., VLOOKUP, SUMIFS, INDEX, MATCH, etc.)
- Quantitative research: experimental design, hypothesis testing, behavioral research, survey research, Qualtrics, Amazon MTurk
- Qualitative research: online and in-person focus groups, ethnographies, and interviews; in-home and in-store testing
- Automated text analysis: vector-space word embedding models (e.g., word2vec)

EDUCATION

Northwestern University – Evanston, IL

Ph.D. – Cognitive Psychology

June 2023

M.S. – Statistics

June 2023

M.S. – Cognitive Psychology

December 2018

University of Connecticut – Storrs, CT

May 2011

B.A. – Cognitive Science (Honors Scholar | Dean's List)