

NICHOLAS MICHALAK

Quantitative Social Scientist

PROFILE

A quantitative social scientist with 9 years of experience using advanced methods and statistics to answer a breadth of research questions in marketing, consumer behavior, social psychology, and survey methodology.

SKILLS AND ABILITIES

- Proficient in R, Python, SQL, and SPSS
- 9 years of experience using Generalized Linear Models, Mixed Effects/Multilevel Models, Structural Equation Models (SEM), Machine Learning Methods including Multidimensional Scaling, Discriminant Analysis, Principal Components and Common Factor Analysis, and Clustering Analysis
- Writing research reports and giving presentations accessible to non-experts

CONTACT DETAILS:

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CAREER HISTORY

METHODS AND STATISTICS CONSULTANT

University of Michigan, Department of Psychology, 2016-Present

Consulted dozens research faculty, post-doctoral researcher, doctoral student, master's student, and undergraduate student clients on methodological and statistical rigor of and data visualization for their experimental, quasi-experimental, and observational studies

GRADUATE STUDENT INSTRUCTOR

University of Michigan, Department of Psychology, 2016-2019

Trained hundreds of doctoral and master's students in advanced statistical methods, computing, and data visualization

Instructed statistical topics including Generalized Linear Model, ANOVA, Multidimensional Scaling, Clustering, Principal Components and Common Factor Analysis, Reliability, Structural Equation Modeling, Power Analysis, and Missing Data

Lead course workshops as well as one-on-one sessions on statistical computing and data visualization in the R programming environment as well as the Statistics Package for the Social Sciences (SPSS)

RESEARCH LAB MANAGER

Carlson School of Management, Marketing and Logistics, 2013-2015

Conducted 75 experiments and observational studies in psychology, marketing, and consumer behavior

Regularly prepared quantitative social science research reports as well as PowerPoint presentations for invited speaking

Regularly collaborated with multiple research faculty on-site and via e-mail

EDUCATION

UNIVERSITY OF MICHIGAN

Doctor of Philosophy in Social Psychology, 2015-2020 (Expected)

Master's of Science in Social Psychology, 2015-2017

UNIVERSITY OF ST. THOMAS

Bachelor's of Science in Neuroscience, 2007-2012

WORKSHOPS AND PRESENTATIONS

Lead six (6) R and three (3) SPSS programming workshops for faculty and post-doctoral researchers, doctoral students, master's students, and undergraduate students

- Introduced attendees to program interface and fundamental functions/commands
- Taught students how to read data into the program and prepare data for advanced visualization and statistical analyses

Gave 20 presentations at both U.S.-based and international academic conferences