

Ryan Stokes, Ph.D.

Data Scientist | Cognitive Scientist | Statistician

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Education

- 2014 – 2019 **University of California, Irvine**, *Ph.D., Cognitive Sciences, with a concentration in Cognitive Neuroscience*
- 2016 – 2020 **University of California, Irvine**, *M.S., Statistics*
- 2014 – 2016 **University of California, Irvine**, *M.S., Cognitive Sciences*
- 2012 – 2014 **California State University, Channel Islands**, *B.A., Psychology, minor in Computer Science*

Technical Expertise

Languages: Python, C#, Java, MATLAB, R, SQL

Methods: Machine Learning, Neural Networks, Data Mining, Statistics, Clustering/Classification, Supervised Learning, Dimensionality Reduction, Data Visualization, Experimental Design

Professional Experience

- 2019 – 2020 **Data Scientist**, *Kontoor Brands, Inc.*
- Created a statistical model of ecommerce data used to predict revenue and guide strategic decisions
 - Implemented a web based tool to visually interact with the model and run simulations
- 2016 – 2019 **Research Assistant**, *University of California, Irvine*
- Developed a neural network based computational model of reading
 - Programmed experiments and tools for data processing
 - Analysis of large sets of neuroimaging, behavioral, and survey based data
- 2015 – 2016 **Teaching Assistant**, *University of California, Irvine*
- Created coursework, guest lectured, and led discussion/lab sections

Publications

- Under Review Guan, M., **Stokes, RC.**, Vandekerckhove, J. & Lee, MD., (under review) A Cognitive Modeling Analysis of Risk in Sequential Choice Tasks
- Under Review Walker, G., **Stokes, RC.**, Rollo, P., Tandon, N. & Hickok, G., (under review) Effect of bilateral opercular syndrome on speech perception
- 2019 **Stokes, RC.**, Venezia, J., & Hickok, G. (2019). The motor system's [modest] contribution to speech perception. *Psychonomic Bulletin & Review*
- 2017 **Stokes, RC.** & Hickok, G. (2017). Letter position encoding in a neural framework. 2017 IEEE Symposium Series on Computational Intelligence (SSCI) (pp. 1-6). IEEE