







Jonathan Skaza

 Boston, MA
 jonathan.skaza@gmail.com
 <https://jskaza.github.io/>
 jskaza
 /in/jonathanskaza
 @SkazaSays
 jon-s
 jonskaza
 Jonathan Skaza

About me

I enjoy using my passion for Computing and Data Science to attack complex problems in an elegant and reproducible manner.

Skills

Python (NumPy, Pandas, scikit-learn, Keras) • R (tidyverse) • Go • Julia • Nim • Jupyter • Git • SQL • MongoDB • \LaTeX • Notion • Jira

Interests

Software Development • Computational Statistics • Machine Learning • Reproducible Research • Workflow Automation

Coursework

Statistical Computing • Machine Learning • Bayesian Inference • GLMs • Longitudinal Analysis • Survival Analysis • Probability

Credentials

2023 ChatGPT Prompt Engineering for Developers
2023 Practical Deep Learning for Coders
2023 Introduction to SQL
2022 Programming with Google Go Specialization
2018 Sanjay Gupta Family Hackathon Winner
2015 SAS Certificate in Data Mining
2015 SAS Institute Award
2015 Excellence in Economics Award

Experience

2018-Pres. Panalgo Boston, MA
Assoc. Director, Product
Prev. Lead Analyst, Sr. Analyst, Analyst II
Panalgo develops software for Real-World Evidence (RWE) studies. The company maps massive healthcare claims and EHR datasets into a data model and provides a web application to drastically simplify and accelerate patient-level analysis. I have worked with clients to implement various types of healthcare studies, engineers to enhance the product, machine learning experts to implement new algorithms, product leaders to develop roadmaps, and business analysts to understand user behavior.

2017-2018 University of Michigan Ann Arbor, MI
Data Scientist
Conducted research involving longitudinal data analysis, functional data analysis, Bayesian hierarchical modeling, data visualization, and data wrangling. Collaborations with University of Michigan Department of Psychiatry and Drexel University Urban Health Collaborative.

2015-2017 University of Michigan Ann Arbor, MI
Graduate Student Research Assistant
Developed statistical methods and applications in modeling cortisol, a biomarker of stress, as part of a large psychiatric study. Member of Biostatistics for Social Impact lab.

2014 Bryant University Smithfield, RI
Undergraduate Research Assistant

2014 NC State University & Duke University Raleigh, NC
Summer Institute in Biostatistics

Education

2017 University of Michigan Ann Arbor, MI
M.S., Biostatistics

2015 Bryant University Smithfield, RI
B.S., Applied Mathematics & Statistics, Applied Economics
Summa Cum Laude

Publications

Mayer et al. (2019) How does hair cortisol assessment correspond to saliva measures and to lab-based probes of HPA axis regulatory function? Psychoneuroendocrinology

Abelson et al. (2019). Does salivary cortisol reflect key regulatory control aspects HPA axis functioning in healthy humans? Psychoneuroendocrinology

Abelson et al. (2019). Daily diurnal salivary curves: Are they too noisy to be useful? Psychoneuroendocrinology

Wang, J. et al. (2018). The Advantage of Doubling: A Deep Reinforcement Learning Approach to Studying the Double Team in the NBA. MIT Sloan Sports Analytics Conference

Skaza, J. and Blais, B. (2016). Modeling the Infectiousness of Twitter Hashtags. Physica A

Beaudin, L. and Skaza, J. (2015). Measuring the total impact of demographic and behavioural factors on the risk of obesity accounting for the depression status: a structural model approach using new BMI. Applied Economics

Skaza, J. and Blais, B. (2013). The relationship between environmental degradation and economic growth: exploring models and questioning the existence of an Environmental Kuznets Curve. Bryant University Center for Global and Regional Economic Development Working Paper Series