

Sean Devine

PHD STUDENT

McGill University, 2001 McGill College, H3A 1G1, QC, Canada

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Summary

PhD Student at McGill University

Research interests: Cognitive effort, real-world decision-making (Big Data), statistical modelling

Education

McGill University Ph.D. In Experimental Psychology (Cognitive Science)	Montreal, Canada 2020-Present
Concordia University Master Of Experimental Psychology	Montreal, Canada 2020
Concordia University Bachelor Of Psychology	Montreal, Canada 2018

Experience

Behavioural Scientist Internship	IntactLab (Intact Insurance) 2023-Present
<ul style="list-style-type: none">- Assisted in the development of behavioural interventions to boost productivity- Analyzed data to test intervention efficacy- Designed A-B tests	
Otto Lab Ph.D. Student (supervisor: Dr. Ross Otto)	McGill University 2020-Present
<ul style="list-style-type: none">- Designed numerous experiments, using Python, JavaScript, and MATLAB (including backend with SQL and Postgres)- Analyzed experimental and large-scale consumer data- Fit computational and deep learning models to empirical data- Published results in high-impact, peer-reviewed, journals- Presented results at multiples international conferences- Led multiple workshops, teaching colleagues and students advanced statistical techniques	
Lifespan Decision-Making Lab Masters Student and Research Coordinator (supervisor: Dr. Ross Otto)	Concordia University 2018-2020
<ul style="list-style-type: none">- Designed numerous experiments, using Python, JavaScript, and MATLAB- Analyzed experimental data, resulting in the completion of a master's thesis and defence- Fit computational models to empirical data- Published results in high-impact, peer-reviewed, journals- Presented results at multiples international conferences- Digitized pre-existing paper-and-pencil experiments, implementing open science best practices	

Other Work and Extracurricular Experience

Teaching Assistantships

Introduction to Statistics McGill University	2020-2022
Statistics for Experimental Design McGill University	2021
Statistical Analysis I Concordia University	2020

Editorial Activities—Reviewer

I have reviewed articles for the following journals: Perspectives in Psychological Science, Cognitive, Affective, & Behavioural Neuroscience, Cognition, Royal Society for Open Science, Advances in Cognitive Science, and the Journal of Trial and Error.

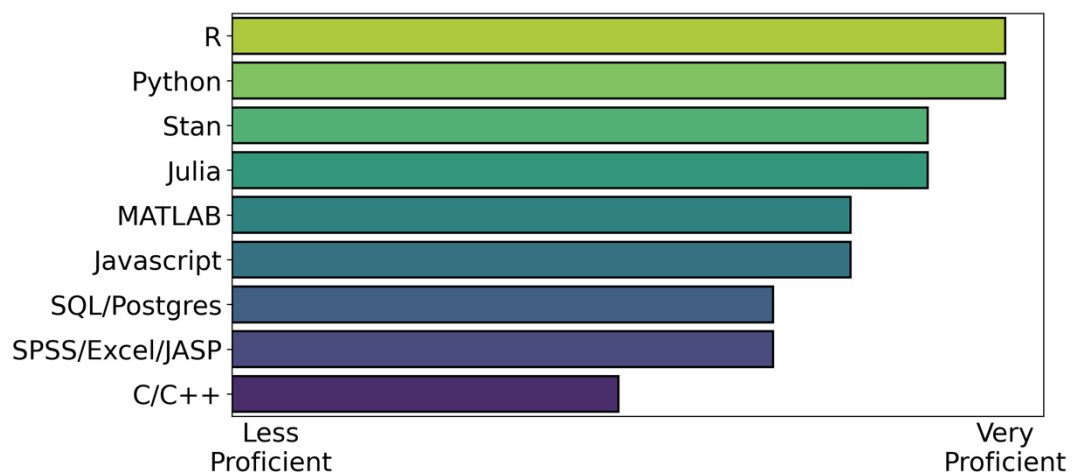
Leadership

Led Workshops

Introduction to Data Science McGill University	November 2022
Introduction to Bayesian Statistics Concordia University shorturl.at/dfsR6	March 2022
Maximum Likelihood Estimation in R Concordia and McGill Universities https://github.com/seandamiandevine/MLEWorkshop	October 2022
Multilevel Modeling: Basic and Advanced Topics Concordia and McGill Universities https://github.com/seandamiandevine/MLMTutorial_2021	June-July 2021
Programming Experiments Online Concordia, McGill, and TU Dresden Universities	April 2022
Python for Psychologists Concordia University	April 2020
Getting Involved in Research Concordia University	February 2020

Professional Skills

Programming Languages



Articles and Conferences

I have authored numerous research articles in peer-reviewed journals and presented at many international conferences. Here is a short list of recently published articles, which I think highlight some of my competencies in data science and science communication. To see the full list, see https://seandevine.org/homepage_files/cv_long.pdf.

- Devine, S., Neumann, C., Levari, D., Wilson, R., Eppinger, B. (2022). Human Ageing is Associated with More Rigid Concept Spaces. *Psychonomic Bulletin, & Review*. <https://doi.org/10.3758/s13423-022-02197-8>.
- Devine, S., Germain, N., Ehrlich, S., & Eppinger, B. (2022). Changes in the Prevalence of Thin Bodies Bias Young Women's Judgments About Body Size. *Psychological Science*, 33(8), 1212-1225. <https://doi.org/10.1177/09567976221082941>
- Otto A.R., Devine, S., Bornstein, A.M., & Louie, K. (2022). Context-dependent choice and evaluation in real-world consumer behavior. *Scientific Reports*, 12, 17744. <https://www.nature.com/articles/s41598-022-22416-5>
- Devine, S., Otto, A. R., Uanhoro, J. O., & Flake, J. K (under review). A Tutorial for Quantifying Within- and Between-Participant Variance in Multilevel Logistic Models. *Advances in Methods and Practices in Psychological Science*. <https://doi.org/10.31234/osf.io/v68wb>