

# Sean Devine

PHD STUDENT

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

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## Summary

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PhD Student at McGill University

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

## Education

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

## Experience

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

## Other Work and Extracurricular Experience

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### Teaching Assistantships

<b>Introduction to Statistics</b> McGill University	2020-2022
<b>Statistics for Experimental Design</b> McGill University	2021
<b>Statistical Analysis I</b> 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.

### Additional Training

<b>Deep Learning Summer School</b> Neuromatch Academy	2021
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# Leadership

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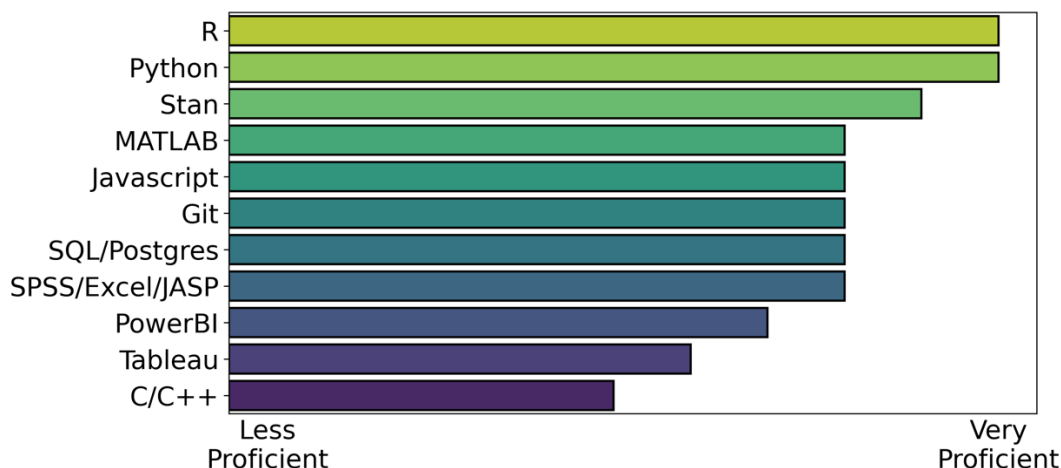
## Led Workshops

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

# Professional Skills

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## Programming Languages



# Articles and Conferences

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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](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>