# 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** — Montreal, Canada
Ph.D. In Experimental Psychology (Cognitive Science) — 2020-Present

**Concordia University** — Montreal, Canada
Master Of Experimental Psychology — 2020

**Concordia University** — Montreal, Canada
Bachelor Of Psychology — 2018

## Experience

**Otto Lab** — McGill University
Ph.D. Student (supervisor: Dr. Ross Otto) — 2020

- 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** — Concordia University
Masters Student and Research Coordinator (supervisor: Dr. Ross Otto) — 2018-2020

- 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** — 2020-2022
McGill University

**Statistics for Experimental Design** — *2021*
McGill University

**Statistical Analysis I** — *2020*
Concordia University

### *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*

**Deep Learning Summer School** — 2021
Neuromatch Academy

# Leadership

*Led Workshops*

**Introduction to Data Science** — November 2022
McGill University

**Introduction to Bayesian Statistics** — March 2022
Concordia University | shorturl.at/dfsR6

**Maximum Likelihood Estimation in R** — October 2022
Concordia and McGill Universities | https://github.com/seandamiandevine/MLEWorkshop

**Multilevel Modeling: Basic and Advanced Topics** — June-July 2021
Concordia and McGill Universities | https://github.com/seandamiandevine/MLMTutorial_2021

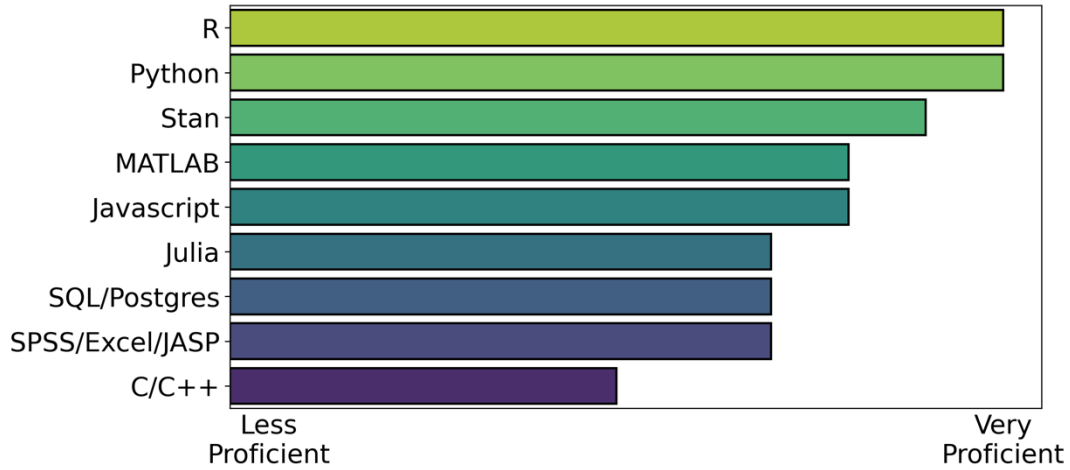
**Programming Experiments Online** — April 2022
Concordia, McGill, and TU Dresden Universities

**Python for Psychologists** — April 2020
Concordia University

**Getting Involved in Research** — February 2020
Concordia University

# 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