Sebastian Sciarra

PhD Candidate

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🏠 sebastiansciarra.com

🐙 sebsciarra

in Sebastian Sciarra

Skills

R · SQL · Python · LaTeX · Bash · HTML · JavaScript · CSS · Machine learning · Data science · Data visualization · Knowledge translation

🏛 Education

PhD, Industrial-Organizational Psychology **Sep. 2018–May 2023**
University of Guelph

- Thesis title: "Is Timing Everything? The Effects of Measurement Timing on the Performance of Nonlinear Longitudinal Models"
- Conducted Monte Carlo simulation experiments using R in an AWS instance to evaluate the performance of structured latent growth curve models under several conditions

MSc, Psychology **Sep. 2016–June 2018**
McMaster University

Honours BSc, Psychology, Neuroscience & Behaviour **Sep. 2012–June 2016**
McMaster University

💼 Employment

Teaching Assistant **Sep. 2018–May 2023**
University of Guelph

- Created R scripts for assignments and taught labs for the following courses in measurement and statistics:
    - PSYC 3290 (Conducting Statistical Analyses in Psychology)
    - PSYC 3250 (Psychological Measurement)
    - PSYC 6060 (Research Design and Statistics)
    - PSYC 6380 (Psychological Applications of Multivariate Analysis)

</> Data Science Projects

cobaltCV **May 2023**
R Package

- Created an R package for generating data-driven CVs and cover letters according to a customizeable template
- LaTeXcode was created to specify a template and R functions were created to easily generate CV entries

sebastiansciarra.com **March 2023**
Personal website

- Largely used HTML, JavaScript, and CSS to create a personal website for writing blog posts
- Blog posts are focus on statistics, machine learning, and coding by explaining technical details, providing demonstrations, and conducting simulation experiments

- Created an R package for generating theses according to the University of Guelph formatting requirements

Learning SQL **March 2023**

- Created an R package for generating theses according to the University of Guelph formatting requirements

nonlinSimsAnalysis **March 2023**
R Package

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🎓 Grants & Scholarships

✳️ Certifications

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May 2023