JOEL ROBITAILLE

CONTACT

@ jrobitaille089@gmail.com

💻 JoelRobitaille.github.io

in linkedin.com/in/robitaillejoel

📞 819 384 3855

SKILLS

- Advanced MS Excel
- IBM SPSS, JASP
- MATLAB / Python / R
- Data Modelling
- Data Visualization
- Inferential Statistical Analysis
- Psychometric analyses
- Bilingual (French & English)

EDUCATION

Ph.D. Cognitive & Behavioural Neuroscience,
Brock University
awarded 2022

PROFILE

Highly skilled analytical professional seeking new opportunities in the field. With over 10 years of expertise in research and data analysis, I bring a multidisciplinary background in neuroscience and a strong aptitude for problem-solving. Proficient in programming, statistics, and technical writing, I excel at effectively communicating complex information and driving collaborative efforts. Committed to delivering high-quality results and contributing to the success of dynamic teams.

WORK EXPERIENCE

Defence Scientist – Department of National Defence – Ottawa, ON
December 2021 – Present

- Conducted research, developed innovative assessments and collaborated with multidisciplinary teams to enhance the effectiveness of defence personnel selection processes for the Canadian Armed Forces.
- Completed a comprehensive assessment of the psychometric properties of a working memory battery designed for personnel recruitment in the Canadian armed forces, resulting in expert recommendations for amelioration to enhance the effectiveness and efficiency of the selection process.
- Reviewed scientific methodology and ethical standards in the conduct of defence-related research, policies, and practices as a member of the Social Science Research Review Board (SSRRB).

Cognitive Research Scientist – Brock University – St. Catharines, ON
2014 – 2022

- Developed scientific protocols and designed 8 research studies that implemented 13 computerized tasks and questionnaires using Python and MATLAB to assess cognitive processes.
- Conducted in-person evaluations of cognitive abilities for over 250 students and analyzed performance using frequentist and Bayesian inferential statistics
- Applied psychometric analyses to evaluate the reliability and validity of tests.
- Presented research findings at 6 scientific conferences and in-house presentations with varying expertise-level audiences
- Managed classrooms of 20 students by encouraging active participation, open discussions, lab demonstrations, and presentations.