



Clara Stafford

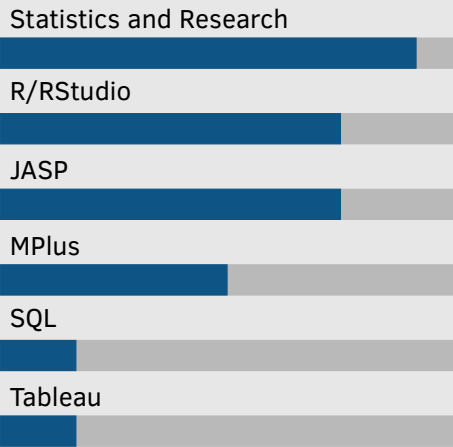
PhD Student

- Brain and Mind Institute, WIRB, Western University, ON, Canada
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About me

I am a PhD Student in Behavioural and Cognitive Sciences at the University of Western Ontario. I have extensive hands-on experience designing online research studies, using platforms such as Qualtrics and MTurk. I have taken all graduate statistics courses available in the Department of Psychology at Western University, including Structural Equation Modeling and Latent Variable Modeling. My current dissertation projects focus on the psychometric evaluation of cognitive tests used to assess cognition after concussion. I import, clean and analyze my data using RStudio.

Skills



(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Interests

My main interests include research design and methods and statistical programming. I have hands-on experience with Principal Components Analysis, Structural Equation Modeling and Item Response Theory using R.

Education

- since 2017 Ph.D. student in Psychology Western University
Supervisor: Dr. Adrian Owen
- 2015-2017 M.Sc. Psychology Western University
A Diffusion Tensor Imaging Study of Motor Fibre Path Integrity and Overt Responsiveness in Disorders of Consciousness
- 2012-2015 B.A. Psychology McGill University
Cortico-Cortical Connections of Areas 9 and 8B in the Macaque Monkey
- 2010-2012 D.E.C Champlain College
Specializing in Psychology

Experience

- since 2018 Junior Social Sciences Research Analyst Human Resource Systems Group
Worked on the Department of National Defense project and Citizenship and Immigration Canada project
- since 2015 Graduate Teaching Assistant Western University
Teaching Assistant for honours statistics course.
- 2016 Post-Graduate Research Student University of Birmingham
Supervisor: Dr. Davinia Fernandez-Espejo
- 2015 Research Assistant Western University
Supervisor: Dr. Adrian Owen

Awards

- 2020 G. Keith Humphrey Memorial Award, \$650
- 2019 Graduate Student Teaching Award, \$500
- 2019-2020 Ontario Graduate Scholarships, \$15,000
- 2016 Reva Gerstein Fellowship for Masters Study in Psychology, \$2,800
- 2016 George Hannah Global Opportunities Travel Award, \$2,000

Publications

- Stafford, C.A., Stojanoski, B., Wild, C. J., Brewer-Deluce, D., Wilson, T. D., & Owen, A. M. (2020). Concussion related deficits in the general population predict impairments in varsity footballers. *Journal of Neurology*. <https://doi.org/10.1007/s00415-020-09749-9>.
- Stafford, C. A., Owen, A. M., & Fernández-Espejo, D. (2019). The neural basis of external responsiveness in prolonged disorders of consciousness. *NeuroImage: Clinical*, 22, 101791. <https://doi.org/10.1016/j.nicl.2019.101791>.
- Stafford, C. A., Tremblay, P. F., Wild, C. J., & Owen, A. M. (in preparation). Factor structure and measurement invariance of the Cambridge Brain Sciences cognitive battery.
- Stafford, C. A., Owen, A. M., & Tremblay, P. F. (in preparation). Taking a person-centered approach to understanding concussion.

Languages Spoken

- French: native spoken, reading and writing
- English: native spoken, reading and writing



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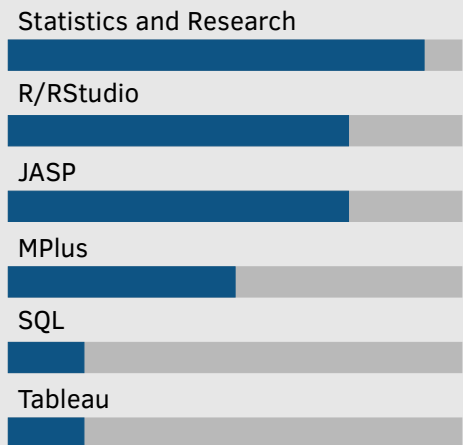
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Conference Activities

Poster Presentations

- Stafford, C. A., Stojanoski, B., Wild, C. J., Brewer-Deluce, D., & Owen, A. M. (2019). The association between a history of self-reported concussion and response inhibition: a population-based study. Poster presented at The American Academy of Neurology Sports Concussion Conference, Indianapolis, IN, USA, July 26th-28th, 2019.
- Stafford, C. A., Owen, A. M., & Fernández-Espejo, D. (2019). The neural basis of external responsiveness in prolonged disorders of consciousness. Poster presented at the Association for the Scientific Study of Consciousness, London, ON, CAN, June 25th-28th, 2019.
- Stafford, C. A., Wild, C. J., Stojanoski, B., & Owen, A. M. (2018). A large-scale investigation of the relationship between concussion and cognition in the general public. Poster presented at the Rotman Research Institute Conference: Traumatic Brain Injury and Concussion, Toronto, ON, CAN, March 19th-21st, 2018.
- Stafford, C. A., Owen, A. M., & Fernández-Espejo, D. (2016). The relationship between overt responsiveness and white matter abnormalities in patients with disorders of consciousness. Poster presented at the Society for Neuroscience, San Diego, California, USA, Nov. 12th-16th, 2016.
- Stafford, C. A., Owen, A. M., & Fernández-Espejo, D. (2016). The role of thalamo-motor fibre damage in overt motor responses in disorders of consciousness. Poster presented at the Canadian Association for Neuroscience, Toronto, ON, CAN, May 29th - June 1, 2016.
- Stafford, C. A., Gati, J., Owen, A. M., & Fernández-Espejo, D. (2016). Mapping structural connectivity of thalamic nuclei at ultra-high fields. Poster presented at Lake Ontario Visionary Establishment, Niagara Falls, ON, CAN, Feb. 4th-5th, 2016.

Teaching Experience

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| since 2019 | Programmer/Analyst | Western University |
| | I teach a biannual 'Introduction to SPSS' workshop for the Department of Statistics and Actuarial Sciences | |
| since 2017 | Teaching Assistant | Western University |
| | Teaching Assistant for honours statistics course in the Department of Psychology | |
| 2017 | Teaching Assistant | Western University |
| | Teaching Assistant for Evolutionary and Developmental Psychology course | |
| 2015 | Teaching Assistant | Western University |
| | Teaching Assistant for the Introduction to Psychology course | |

Outreach

- Guillemette, R. (2020, April 17). Commotions cérébrales: une nouvelle étude met en garde les joueurs de football d'ici. Retrieved from <https://ici.radio-canada.ca/>
- Mayne, P. (2020, April 16). Study links concussions to loss of inhibition. Western News. Retrieved from <https://news.westernu.ca/>
- Zadorsky, C. (2019, August 29). Western study on long-term concussion effects seeking participants. CTVNews London. Retrieved from <https://london.ctvnews.ca/>
- Stafford, C. A. (2019, August 29). CTV News London at 6. (C. Zadorsky, Interviewer). Retrieved from <https://london.ctvnews.ca/>