Mark Christopher Adkins

Curriculum Vitae

Education

2017–Present	**PhD Candidate**, *York University*, Toronto, Area: Quantitative Methods in Psychology.
2017	**MA**, *York University*, Toronto, Area: Quantitative Methods in Psychology.
2015	**BA Hons**, *University of Regina*, Regina, High Honors: Psychology. Minors: Computer Science, Philosophy

Master's thesis

Title	Best Practices for Constructing Confidence Intervals for the General Linear Model Under Non-Normality
Supervisor	Jolynn Pek

Teaching Experience

Fall 2020	Teaching assistant for third year lab based statistics course (PSYC 3031)
Fall 2019	Course director for second year statistical methods course at York University (Glendon Campus).
Fall 2019	Course director of a four-part short course, *Introduction to R and the Tidyverse*, for the Statistical Consulting Service at the Institute for Social Research, York University.
Fall 2019	Teaching assistanct for third year lab based statistics course (PSYC 3031)
Summer 2019	Course director of a four-part short course, *Introduction to R and the Tidyverse*, for the Statistical Consulting Service at the Institute for Social Research, York University.
Summer 2019	Teaching assistant for second year statistical methods course at York University (PSYC 2022).
2018-2020	Teaching assistant for the Statistical Consulting Services (SCS) whose duties included assisting undergraduate thesis students with their projects at York University and conducting a three-part workshop series on using statistical software, data analysis, and report writing.

Fall 2018	Course director of a four-part short course, *Introduction to R and the Tidyverse*, for the Statistical Consulting Service at the Institute for Social Research, York University.
2017-2018	Teaching assistant for graduate univariate statistics class at York University during the fall and winter semesters (PSYC 6131).
Winter 2018	Teaching assistant for graduate univariate statistics class at York University. (PSYC 6132).
2016-2017	Teaching assistant for second year statistical methods course during the fall and winter semesters at York University (PSYC 2020).
Winter 2016	Teaching assistant for second year statistical methods courser at York University (PSYC 2022).

Workshops

July 2020	**Adkins, M.C.**, & Cribbe, R. *Better (and Quicker) Data Cleaning using R and the Tidyverse*. Pre-Convention PD Workshop - Half Day. 81st Canadian Psychological Association Annual National Convention, Montréal, Quebec, Canada.
July 2020	**Adkins, M.C.** *Small Steps Towards Reproducible Data Analyses*. Workshop (85 minutes). 81st Canadian Psychological Association Annual National Convention, Montréal, Quebec, Canada.
May 2019	**Adkins, M.C.**, & Cribbie, R. *Better Data Cleaning Using R and the Tidyverse*. Full-day pre-convention workshop at the 80th annual Canadian Psychological Association convention. Halifax, NS [conference session cancelled].

Research Articles

2020	Chalmers, R. P., & **Adkins, M. C.** Writing Effective and Reliable Monte Carlo Simulations with the SimDesign Package. *Under Revision at The Quantitative Methods for Psychology*. 10.20982/tqmp.16.4.p248
2020	Price, H. L., Bruer, K. C., & **Adkins, M. C.** Using machine learning analyses to explore relations between eyewitness lineup looking behaviors and suspect guilt. *Law and Human Behavior*. Advance online publication. https://doi.org/10.1037/lhb0000364
2016	Pek, J., Armstrong, B., **Adkins, M. C.**, Flake, J. K., & Spaniol, J. Predictors of problem gambling among seniors in Ontario (Gambling Exchange Research Ontario Technical Report).

Convention Papers and Invited Presentations

2020   Counsell, A., Campbell, L., Alter, U., & **Adkins, M. C.**, *Increasing Awareness and Adoption of Open Science Practices*. [conference session cancelled]. Society for Improving Psychological Science 5th Annual Meeting, Victoria, BC, Canada. https://www.improvingpsych.org/SIPS2020/

2019   **Adkins, M. C.**, *Little Steps: A Primer on Open Science Practices*. Invited talk at the Quantitative Psychology Forum. York University.

2018   **Adkins, M. C.**, & Pek, J. *Best Practices for Constructing Confidence Intervals for the General Linear Model Under Non-Normality*. Poster presentation at the 2018 International Congress of Applied Psychology & the Canadian Psychological Association's Annual General Meeting. Montréal, Québec.

2018   **Adkins, M. C.**, *Data Thuggery 101: A few tools of the trade*. Invited talk at the Quantitative Psychology Forum. York University.

2018   Green, C. D., **Adkins, M. C.**, Austerberry, E., Davidson, I. J., DiGiovanni, J., Lysenko, N. & Villani, L. K. *Which statistical tests have which psychological subdisciplines been using for how long?* Paper presentation at the meeting of the European Society for the History of the Human Sciences. University of Groningen, The Netherlands.

2018   Green, C. D., **Adkins, M. C.**, Austerberry, E., Davidson, I. J., DiGiovanni, J., Lysenko, N. & Villani, L. K. *How Fisher's Dream Became Lakatos' Nightmare: An Historical Survey of the Psychologists' Use of (Mostly) Inferential Statistics*. Paper presentation at the 50th Annual Meeting of Cheiron. University of Akron, Akron, Ohio.

2017   **Adkins, M. C.**, *How Prolific are Statistical Anomalies in Psychological Research?* Invited talk at the Quantitative Psychology Forum. York University.

2016   **Adkins, M. C.**, *Predictors of Problem Gambling Among Seniors in Ontario*. Invited talk at the Quantitative Psychology Forum. York University.

July 2015   **Adkins, M. C.** & Oriet, C. *Intuitive statistical reasoning: Improving students' understanding of normative ANOVA logic*. Poster presentation at the 2015 Canadian Society for Brain, Behavioural, and Cognitive Science annual meeting. Ottawa, Ontario.

Honours and Awards

2020   Council of Canadian Departments of Psychology - Certificate of teaching excellence: Teaching Assistantship Award

2020   The Psychological Science Accelerator's PSA001 Data Analysis Challenge Winner ($200)

2019   PGSA student initiative award ($150)

2019   York University Graduate Fellowship - Doctoral Domestic ($5400)

2018	York University Graduate Fellowship - Doctoral Domestic ($5400)
2017	York University Graduate Fellowship - Masters Domestic ($5400)
2016	York University Graduate Fellowship - Masters Domestic ($5400)
2015	York Entrance Graduate Scholarship ($6000)
2015	University of Regina: Academic Silver Scholarship; retroactive ($800)
2015	University of Regina: Academic Silver Scholarship ($1600)
2014	University of Regina: Academic Silver Scholarship ($1000)

Research Experience

2020	Research assisstant for Dr. Monique Herbert on project titled "Developing and testing online activities for undergraduate statistics"
2020	Team leader for the PSA001 Secondary Analysis Challenge (incomplete preprint of our team's manuscript can be found at https://psyarxiv.com/5bv2p/
2020	Research assistant for Dr. Jeni Pathman doing data cleaning and running various analyses.
2018	Created interactive *Shiny* application using *R* to explore database of APA journal articles for the PSYBORG lab.
2016	Assisted Dr. Jolynn Pek with data analysis and report writing for Gambling Research Exchange Ontario (GREO).
Summers of 2014, 2015, & 2016	Assisted the Child and Law Lab at the University of Regina with data collection, transcribing, and programming reaction time experiments using E-Prime 2.0.

Professional Activities

2019-2020	Founder of the ReproducibiliTea (Toronto branch) journal club for open and reproducible science.
2019-2020	Student Coordinator for the Quantitative Methods Forum at York University.
2019-2020	Methods reviewer for the Psychological Science Accelerator.
2019	Attended the Oxford	Berlin Summer School on Open Science. University of Oxford, UK.
2019-2020	Member of the Psychological Science Accelerator (PSA).
2019-2020	Member of the Society for the Improvement of Psychological Science (SIPS).
2017-2019	Student Mentor in the Psychology Undergraduate Mentorship Program (PUMP) at York University.
2017-2019	Student Representative for the Quantitative methods section of the Canadian Psychological Association (CPA).
2016-2019	York University Psychology Graduate Students' Association (PGSA) Departmental Representative.