

Zakary Andrew Draper

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Profile

I am a MA in Psychology student at the University of British Columbia—Okanagan studying under the supervision of Dr. Brian O'Connor. My research interests include quantitative methods, machine learning and the impact of technology on individual and family wellbeing. I am passionate about improving the state of psychology research including by sharing my knowledge of quantitative methods and statistics.

Education

Master of Arts in Psychology (in Progress)

2017–Current

University of British Columbia—Okanagan

Kelowna, BC

Thesis: Applying modern machine learning to the number of latent variables problem in principal components analysis and principal axis factoring

Supervisor: Brian P. O'Connor

Bachelor of Science, Honours in Psychology

2014–2017

University of British Columbia—Okanagan

Kelowna, BC

Thesis: *Individual Differences in Responses to Criticism through Text Messaging: A Linguistic Analysis*

Supervisor: Susan Holtzman

Work towards Bachelor of Science in Psychology

2012–2014

Okanagan College

Kelowna, BC

Work towards Bachelor of Fine Arts in New Media

2008–2009

University of Lethbridge

Lethbridge, AB

Employment

Teaching Assistant

Teaching Assistant—Lab Instructor

2018/09–2019/04

University of British Columbia—Okanagan

Course: Research Methods and Statistics

Responsibilities:

- Provide instruction on how to perform various analyses in R.
- Prepare and mark regular assignments and exams.
- Provide feedback and instruction during regular office hours.

Teaching Assistant

2018/09–2019/04

University of British Columbia—Okanagan

Course: Advanced Statistics and Research Methods

Teaching Assistant

2017/09–2018/04

University of British Columbia—Okanagan

Courses: Psychology of Creativity, Human Sexuality, Forensic Psychology, Introduction to Psychology: Personal Functioning

Professional

Statistician

2018/01–2018/06

University of British Columbia—Okanagan

Responsibilities:

- Identify appropriate analyses to answer specific research questions.
- Conduct analyses in R.
- Visualize results using plots.
- Communicate results using scientific writing.

Employment Facilitator

2016/05–2017/06

Central Okanagan Public Schools

Responsibilities:

- Assist young adults with disabilities with developing job skills.
- Visit employers in the community to encourage inclusive hiring practices.
- Aid employers in implementing accommodations for employees with disabilities and fostering an inclusive workplace environment.

Recognitions

Community Engaged Research Scholarship

2019/03

Institute for Community Engaged Research

\$1,000.00

Accelerate Fellowship

2019/01

Mitacs

\$15,000.00

University Graduate Fellowship

2019/01

University of British Columbia—Okanagan

\$3,000.00

University Graduate Fellowship

2018/09

University of British Columbia—Okanagan

\$3,000.00

Tuum Est Student Initiative Fund

2018/07

University of British Columbia—Okanagan

\$500.00

Graduate Dean's Entrance Scholarship

2017/09

University of British Columbia—Okanagan

\$5,000.00

Deputy Vice-Chancellor Scholarship for Continuing Students

2015/09

University of British Columbia—Okanagan

\$500.00

Chancellor's Scholar Award University of British Columbia—Okanagan Non-monetary	2014/09
Irving K. Barber Transfer Scholarship Irving K. Barber BC Transfer Scholarship Society \$5,000.00	2014/09

Publications

Conference Publications

Draper, Z. A., & O'Connor, B. P. (2019, June). *LagSequential: An introduction to six programs for analyzing lag-sequential categorical data in R*. 15-minute talk presented at the meeting of the Canadian Psychological Association, Halifax, NS.

Rousseau, C. X., **Draper, Z. A.**, Binfet, J. T., Tardif-Williams, C. Y., & Green, F. L. L. (2019, July). *Exploring handlers' well-being in an on-campus canine-assisted intervention*. 15-minute talk presented at the meeting of the International Society of Anthrozoology, Orlando, FL.

Pilin, M., **Draper, Z. A.**, Gibb, H., Rossiter, L., Robinson, J. M., & Krank, M. D. (2018, July). *The influence of media preferences on adolescent cannabis use: A dual-processing approach*. Poster presented at the meeting of the 28th Annual International Cannabinoid Research Society Symposium on the Cannabinoids, Leiden, Netherlands, June 30–July 5, 2018.

Draper, Z. A., Lisi, D., Declerck, D., Woodworth, M., Holtzman, S. (2018, June). *Emotional expression through text messaging: A linguistic analysis*. 5-minute talk presented at the meeting of the International Congress of Applied Psychology, Montreal, QC.

Draper, Z. A., Lisi, D., Declerck, D., Woodworth, M., Holtzman, S. (2017, February). *Individual differences in responses to criticism through text messaging: A linguistic analysis*. Poster presented at the meeting of the Society for Personality and Social Psychology, San Antonio, TX.

Technical Skills

- R
- SPSS

- Python
- Tableau
- SQL
- Excel