

Zakary Andrew Draper

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Profile

I am a PhD student in Psychological Science 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

PhD in Psychology (2019–current)

University of British Columbia—Okanagan

Kelowna, BC

Supervisor: Brian P. O'Connor

Master of Arts in Psychology (2017–2019)

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 (2019–current)

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 (2018–2019)

University of British Columbia—Okanagan

Course: Advanced Statistics and Research Methods (Graduate Course)

Teaching Assistant (2017–2018)

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

University Graduate Fellowship (2020/09)

University of British Columbia—Okanagan

\$3,000.00

Summer Interval Award (2020/08)

University of British Columbia—Okanagan

\$3,000.00

Graduate Dean's Entrance Scholarship (2019/09)

University of British Columbia—Okanagan

\$5,000.00

Accelerate Fellowship (2019/08)

Mitacs

\$15,000.00

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 (2014/09)
University of British Columbia—Okanagan
Non-monetary

Irving K. Barber Transfer Scholarship (2014/09)
Irving K. Barber BC Transfer Scholarship Society
\$5,000.00

Publications

Journal Publications

Binfet, J. T., **Draper, Z. A.**, & Green, F. L. L. (in press). The importance of client–canine contact in canine-assisted interventions: A randomized controlled trial. *Anthrozoös*.

Rousseau, C. X., Binfet, J. T., Green, F. L. L., Tardif-Williams, C. Y.,
Draper, Z. A., & Maynard, A. (2020). Up the leash: Exploring canine
handlers' perceptions of volunteering in canine-assisted
interventions. *Pet Behaviour Science*, 10, 15–35.
<https://doi.org/10.21071/pbs.v1i0.12598>

Binfet, J. T., **Draper, Z. A.**, & Green, F. L. L. (2020). Stress Reduction in
Law Enforcement Officers and Staff through a Canine-Assisted
Intervention. *Human Animal Interaction Bulletin*, 8(2), 36–54.

Conference Publications

Binfet, J. T., Willis-Stewart, S., Lauze, A., Green, F. L. L., **Draper, Z. A.**, &
Calibaba, B. (2021, July). *Understanding kindness in university
students: A mixed methods study*. Poster accepted for presentation at
the annual conference of the 7th International Positive Psychology
Association World Congress, Virtual.

Binfet, J. T., Willis-Stewart, S., Lauze, A., **Draper, Z. A.**, Green, F. L. L., &
Calibaba, B. (2021, April). *A profile of kindness in university students*.
Paper accepted for presentation at the annual conference of the
American Educational Research Association, Orlando, FL.

Willis-Stewart, S., Binfet, J. T., Lauze, A., **Draper, Z. A.**, Calibaba, B., &
Green, F. L. L. (2020, October). *How university students are kind:
Implications for student well-being and teaching*. Paper presented at
the annual Celebration of Scholarship Meeting of the Center for
Health Education Scholarship, Virtual.

Wallis, C., Sperandio, E., **Draper, Z. A.**, & Walsh, Z. (2020, March).
*Typologies of partner violence perpetrators: An analysis of subtypes
observed in self-reports*. Data Blitz presented at American
Psychology-Law Society Annual Conference, New Orleans, LA.

Binfet, J. T., **Draper, Z. A.**, & Green, F. L. L. (2019, July). *Reducing stress in
law enforcement officers and staff through a canine-assisted
intervention*. Paper presented at the annual meeting of the
International Society for Anthrozoology, Orlando, FL.

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.

R Packages

Draper, Z. A., & O'Connor, B. P. (2019). LagSequential: Lag-Sequential Categorical Data Analysis. <https://CRAN.R-project.org/package=LagSequential>