

Randall Boyes

DATA SCIENTIST AND PHD CANDIDATE

62 5 Field Company Lane, Kingston, ON, CA

+1 613 329 8730 | randy.boyes@queensu.ca | www.randy.pub | [rboyes](https://www.linkedin.com/company/rboyes) | [rboyes](https://www.instagram.com/rboyes) | [randyboyes](https://twitter.com/randyboyes)

Employment History

Sunnybrook Health Sciences Centre

Toronto, ON (Remote)

DATA SCIENTIST

2020 - 2021

- Responsible for the development of a prediction model for survival in patients with esophageal cancer after resection.

Canadian Forces Health Services Group

St. Jean, QC (Remote)

DATA ANALYST

2018 - 2020

- Primary analyst responsible for development of an automated data processing pipeline for dental health data.
- Trained and validated prediction models for dental fitness and deployability in active military members.

Queen's University

Kingston, ON

ADJUNCT PROFESSOR

2015 - 2019

- Primary instructor for 8 sessions of 2 graduate-level courses in Quantitative Analysis.

Education

Queen's University

Kingston, ON

PHD PUBLIC HEALTH SCIENCES

2016 - 2021

- Thesis: Using geospatial and image-derived information about the built environment, developed prediction models for children's outdoor active play behaviour. Initial models based on a pilot study in Vancouver, BC were scaled to the national level by incorporating data from a Canadian survey of children's health behaviour.

Queen's University

Kingston, ON

MSC EPIDEMIOLOGY

2013 - 2015

- Thesis: A analysis of the comparative safety and effectiveness of drugs used to treat acute urinary retention using routinely collected health data.

Queen's University

Kingston, ON

BSCH LIFE SCIENCES

2009 - 2013

- Thesis: Explored the financial costs incurred by caregivers of older patients in the intensive care unit.

Skills

Personal and Analytical

PREDICTION MODELLING · DATA CLEANING, MANAGEMENT, AND VISUALIZATION · PROJECT MANAGEMENT · TEACHING

Languages, Tools, and Packages

R · SAS · PYTHON · JULIA · C++ · SQL · STAN · RMARKDOWN · SHINY · GIT · DOCKER · LATEX · KERAS · TIDYVERSE · CARET

Recent Publications

Batsos, C., Boyes, R., & Mahar, A. (2021). Community water fluoridation exposure and dental caries experience in newly enrolled members of the canadian armed forces 2006-2017. *Can. J. Public Health*.

Boyes, R. D., Bielska, I. A., Fong, R., & Johnson, A. P. (2019). Caregiver Out-of-Pocket costs for octogenarian intensive care unit patients in canada. *Can. J. Aging*.

Brussoni, M., Lin, Y., Han, C., Janssen, I., Schuurman, N., Boyes, R., ... Masse, L. (2020). A qualitative investigation of unsupervised outdoor activities for 10-to 13-year-old children: I like adventuring but i don't like adventuring without being careful. *Journal of Environmental Psychology*.

Linden, B., Boyes, R., & Stuart, H. (2020). The Post-Secondary student stressors index: Proof of concept and implications for use. *J Am. Coll. Health*.