

Citizenship: Canada, Hong Kong

CONTACT  
INFORMATION

✉ [andrewc.li@ubc.ca](mailto:andrewc.li@ubc.ca)

🌐 [www.andrewcli.com](http://www.andrewcli.com)

🐙 [github.com/andr3wli](https://github.com/andr3wli)

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA  
**Master of Science, Pharmacology & Therapeutics**  
Supervisor: Colin Dormuth

Vancouver, BC, Canada  
2024 – 2026

UNIVERSITY OF BRITISH COLUMBIA  
**Bachelor of Arts, Psychology, Graduated with First Class Standing**  
Supervisor: Catharine Winstanley

Vancouver, BC, Canada  
2015 – 2020

RESEARCH  
EXPERIENCE

UNIVERSITY OF BRITISH COLUMBIA DEPARTMENT OF PHARMACOLOGY & THERAPEUTICS  
**Therapeutics Initiative**  
Research Analyst & Graduate Researcher with Colin Dormuth  
Topic(s): Influence of relative age on diagnosis and treatment of ADHD in children

2024-05 – Present

UNIVERSITY OF BRITISH COLUMBIA SCHOOL OF POPULATION AND PUBLIC HEALTH  
**Centre for Health Services and Policy Research**  
Research Analyst with Sabrina Wong  
Topic(s): Testing the sensitivity and specificity of a novel electronic frailty index

2024-10 – Present

BRITISH COLUMBIA MINISTRY OF HEALTH  
**Primary Care & Workforce Analytics**  
Health Economist with Tiana Berry & Mike Atkinson  
Topic(s): Evaluation of alternative physician payment models

2022-08 – 2024-09

UNIVERSITY OF BRITISH COLUMBIA DEPARTMENT OF PSYCHOLOGY  
**Centre for Gambling Research**  
Research Analyst with Luke Clark  
Topic(s): Exploring the relationships between socioeconomic status and progressive lotteries

2020-09 – 2022-04

UNIVERSITY OF BRITISH COLUMBIA DEPARTMENT OF PSYCHIATRY  
**Behavioral Reward Affect & Impulsivity Neuroscience (BRAIN) Lab**  
Research Intern with Christian Schütz  
Topic(s): A systematic review of concurrent cannabis and stimulant use in treatment outcomes

2020-09 – 2021-05

DJAVAD MOWAFAGHIAN CENTRE FOR BRAIN HEALTH  
**Laboratory of Molecular and Behavioural Neuroscience**  
Thesis Student with Catharine Winstanley  
Topic(s): R Shiny app for clinical data cleaning and visualization

2019-05 – 2021-05

AWARDS &  
HONORS

AWARDS/HONORS

- 2025 UBC Faculty of Medicine Graduate Award (\$500 CAD)
- 2024 Pacific Leaders Scholarship (declined) (\$7,500 CAD)
- 2024 Royal Bank of Canada Future Launch Scholarship (\$1,500 CAD)
- 2022 Graduate Student Travel Grant (\$650 CAD)
- 2021 Social Sciences and Humanities Research Council CGS-M Research Fellowship (\$17,500 CAD)
- 2021 UBC Faculty of Arts Graduate Award (deferred) (\$15,650 CAD)
- 2021 Royal Bank of Canada Future Launch Scholarship (\$1,500 CAD)
- 2020 UBC Faculty of Medicine Summer Student Research Award (\$2,800 CAD)
- 2019, 2020 UBC Faculty of Arts Dean's List
- 2019 Governor General's Academic All-Canadian

PUBLICATIONS

SUBMITTED FOR REVIEW  
*\*denotes equal contribution*

- [4] Tristan Hynes\*, Chloe Chernoff\*, Kelly Hrelja, **Andrew Li**, Graeme Betts, Lucas Calderhead, and Catharine Winstanley. "Accumbal cholinergic interneurons subserve dissociable and sex-dependant roles in trait-like decision making and state impulsivity." Available at: [bioRxiv: 10.1101/2025.03.17.643719](https://doi.org/10.1101/2025.03.17.643719).
- [3] **Andrew Li** and Tiana Berry. "Assessing physicians' response to changes in compensation: A scoping review."

- [2] Karina Thiessen, Thomas Chao, Matthew Hanna, Sarah Muñoz-Violant, Grace Nie, **Andrew Li**, and Christian Schütz. “Concurrent cannabis and stimulant use in substance use disorder treatment: A systematic review.”
- [1] **Andrew Li**, Georgios Karamanis, Tristan Hynes, and Catharine Winstanley. “shinyRGT: An R-Shiny application for extraction and analysis of Rat Gambling Task data.” Available at: [PsyArXiv:10.31234/osf.io/t85es](https://psyarxiv.com/10.31234/osf.io/t85es).

#### PAPERS

- [5] Brett Hathaway, **Andrew Li**, Hannah Brodie, Mason Silveira, Melanie Tremblay, Yeon Soo Seo, and Catharine Winstanley. “Dopamine activity in the nigrostriatal pathway alters cue-induced risky choice patterns in female rats.” *European Journal of Neuroscience*, 2024.
- [4] Hin-Ngai Fu, **Andrew Li**, Ross Otto, and Luke Clark. “Socioeconomic correlates of the lottery rollover effect in Toronto, Canada.” *Addiction Research & Theory*, 2024.
- [3] Yu Luo, **Andrew Li**, Dilip Soman, and Jiaying Zhao, “A meta-analytic cognitive framework of nudge and sludge.” *Royal Society Open Science*, 2023.
- [2] Hannah Brodie, Brett Hathaway, **Andrew Li**, Samantha Baglot, Sukhbir Kaur, Matthew Hill, and Catharine Winstanley, “Divergent effects of oral cannabis oil extracts marketed as C. Indica or C. Sativa on exertion of cognitive effort in rats.” *Behavioral Neuroscience*, 2022.
- [1] **Andrew Li**. “shinyJackpot: Visualizing lottery gambling in a large Canadian city.” *International Conference on Human-Computer Interaction (HCII)*, 2022.

#### ONLINE TEXTBOOKS

- [2] **Andrew Li**, Billie Hu, Paul Lesack, and Eugene Barsky. “Introduction to Research Data Management.” Available online at <https://ubc-library-rc.github.io/rdm/>.
- [1] Kim Dill-McFarland, Stephan König, **Andrew Li**, Gil Henriques, Kris Hong, Yue Liu, Florent Mazel, and Steven Hallam. “Introduction to R for Life Scientists.” Available online at <https://educate-ubc.github.io/workshops/>.

#### CONFERENCES

##### TALKS

- 2023 Vancouver SAS User Group: SAS RWI: Putting the cell in Excel
- 2023 Victoria SAS User Group: Unit testing in SAS
- 2022 ECOSCOPE Symposium: An integrated, modular approach to data science education in microbiology
- 2022 Behavioural Insights into Business for Social Good: Regressivity of lottery products
- 2021 Cascadia R Conference: shinyRGT
- 2020 UBC Multidisciplinary Undergraduate Research Conference: Junk food diet effects on decision making in rats

##### POSTER PRESENTATIONS

- 2025 International Society for Pharmacoeconomics and Outcomes Research: Assessing physicians’ response to changes in compensation
- 2025 Center for Health Services and Policy Research: Assessing physicians’ response to changes in compensation
- 2023 International Conference on Gambling & Risk: The relationship between SES and lottery rollover effects
- 2022 Society for Judgment and Decision Making: A meta-analytic cognitive framework of nudge and sludge
- 2022 Society for Neuroscience: Modulating nigrostriatal activity effects on risky decision choice patterns
- 2022 Society for Neuroscience: Midbrain dopamine neurons are powerful effectors of addiction-like behaviour
- 2022 Society for Neuroscience: aCINs is a critical modulator for for cue-induced risk-taking
- 2021 Society for Neuroscience: Gq stimulation of VTA dopamine neurons enhances addiction vulnerability
- 2021 Society for Neuroscience: aCINs modulate decision making
- 2021 UBC Life Sciences Research Night: aCINs modulate decision making
- 2020 UBC Psychiatry Virtual Research Conference: Cue-induced craving in methamphetamine addiction
- 2020 International Behavioural Neuroscience Society: Indica decreases willingness to exert cognitive effort in rats
- 2020 International Behavioural Neuroscience Society: CR does not predict risky decision making in rats
- 2020 UBC Multidisciplinary Undergraduate Research Conference: A junk food diet effects on decision making in rats
- 2019 UBC Neuroscience Undergraduate Research Conference: A junk food diet effects on decision making in rats
- 2019 UBC Neuroextravaganza: Cannabis decreases cognitive effort exertion in rats.

#### TEACHING & MENTORSHIP

##### WORKSHOP DEVELOPER & INSTRUCTOR

- Introduction to Research Data Management (3 hours)
- Advanced Git and GitHub (2 hours)
- Introduction to Regular Expression (2 hours)
- Introduction to the Unix Shell (2 hours)
- Introduction to Git and GitHub (2 hours)
- Creating web apps with R: Introduction to Shiny (6 hours)

- Statistical models in R (6 hours)
- Reproducible Research (6 hours)
- Intermediate R programming (6 hours)
- Introduction to the Tidyverse (6 hours)
- Introduction to R (2 hours)
- R for Neuroscience (30 minutes)

#### TEACHING ASSISTANT (UNIVERSITY OF BRITISH COLUMBIA)

- STAT 545: Exploratory Data Analysis
- DSCI 542: Communication and Argumentation
- DSCI 532: Data Visualization II
- DSCI 554: Experimentation and Casual Inference
- DSCI 561: Regression I
- DSCI 552: Statistical Inference and Computation I
- DSCI 523: Programming for Data Manipulation
- PSYC 218: Analysis of Behavioural Data
- PSYC 308: Social Psychology (Guest lecture on the behavioural immune system)

#### PROFESSIONAL EXPERIENCE

##### SENIOR ECONOMIST

- BC Public Service (Ministry of Health)

##### DATA ANALYST

- UBC Library Research Commons
- UBC Sustainability Hub
- Graduate Student Society

##### SOFTWARE DEVELOPER

- automate.sql: <https://github.com/andr3wli/automate.sql>
- shinyJackpot: <https://github.com/andr3wli/shinyapps/tree/main/shinyJackpot>
- shinyRGT: <https://github.com/andr3wli/shinyapps/tree/main/shinyRGT>
- testmacrolib: <https://github.com/andr3wli/testmacrolib>
- reportdownGSS: <https://github.com/andr3wli/reportdownGSS>
- educator: <https://github.com/EDUCE-UBC/educator>

#### COMMUNITY SERVICE & LEADERSHIP

UNIVERSITY OF BRITISH COLUMBIA FACULTY OF MEDICINE  
**Graduate Student Peer Mentorship Program**  
 Mentor for new graduate students in the Faculty of Medicine

Vancouver, BC, Canada  
 2024-09 – Ongoing

THE CARPENTRIES  
**Data Carpentry**  
 Taught foundational data and computational skills needed to conduct research

Worldwide (remotely)  
 2021-06 – Ongoing

THE CARPENTRIES  
**Software Carpentry**  
 Taught foundational programming skills needed to conduct research

Worldwide (remotely)  
 2021-06 – Ongoing

UNIVERSITY OF BRITISH COLUMBIA PSYCHOLOGY EQUITY COMMITTEE  
**Diversity Mentorship Program**  
 Mentor for prospective graduate students in psychology

Vancouver, BC, Canada  
 2020-05 – 2022-05

UNIVERSITY OF BRITISH COLUMBIA NEUROSCIENCE CLUB  
**The Neural Network Mentorship Program**  
 Mentor for undergraduates interested in neuroscience research

Vancouver, BC, Canada  
 2020-04 – 2021-04

INNER CITY SPORTS PROGRAM  
**Jerome Outreach Society**  
 Program Coordinator and Head Coach

Vancouver & Burnaby, BC, Canada  
 2016-04 – 2019-06

POINT GREY SECONDARY AND UNIVERSITY OF BRITISH COLUMBIA  
**Best Buddies Canada**  
 Peer Mentor

Vancouver, BC, Canada  
 2011-09 – 2017-04

#### SKILLS & INTERESTS

**Technical:** R, Python, SAS, SQL, git, L<sup>A</sup>T<sub>E</sub>X  
**Dessemination:** technical writing, figure-making, basic web design  
**Hobbies:** Running (training for a sub 3:15 marathon in May 2025), Los Angeles Lakers, DIY art projects