Elizabeth W. Chan

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Citizenship: Canada & U.S.

Education

University of Toronto, Victoria College Expected Spring 2022
Honours Bachelor of Science
Psychology Research Specialist
    Honours Thesis: *Evaluating time use patterns and subjective well-being: A compositional data analysis*
    Advisor: Dr. Felix Cheung

Research Interests

subjective well-being; time use; current affairs; socio-economic conditions; technology; health; prosocial behavior; open science; public policy

Publications

Journal Articles (* = equal authorship)
Chan, E. W., Solomon, A., & Cheung, F. (revise & resubmit). Subjective well-being shapes U.S. presidential, Senate, and House of Representatives election outcomes. *Personality Science*.

Chan, M., Cheung, F., Hon, C., Lo, L., **Chan, E. W.**, Ma, T. F., & Shek, P. (in prep). COVID-19 vaccines and mental distress: A new utility for vaccinations.

Book Chapters
Chan, E. W.*, Wong, J.*, Chan, C. S., & Cheung, F. (in press). Reflections on the reproducibility project in psychology.

Awards & Honours

2022	Diversity Undergraduate Registration Award ($225 CAD)
2021	Marion Edith Binning Scholarship ($1,000 CAD)
2021	The Dr. Lorus J. Milne and Dr. Margery J. Milne Award ($5000 CAD)
2019 – 2021	Dean's List Scholar
2020	Regents In-Course Scholarship ($1,000 CAD)
2019	Herb Epp In-Course Scholarship ($1,000 CAD)
2018	Jack & Adrienne Taylor Undergraduate Award ($11,104 CAD)

Research Experience

Thesis Student, Population Well-being Lab **January 2021 – Present**
University of Toronto, PI: Dr. Felix Cheung
- Subjective well-being & electoral outcomes
    - Conducted multilevel modeling for a pre-registered confirmatory study to examine whether changes in well-being predict changes in U.S. election outcomes
    - Cleaned and analyzed data in R from the Gallup Sharecare Well-being Index and Behavioral Risk Factor Surveillance System, totaling over 4.7 million participants
    - Implemented statistical techniques such as mean-centering and multiple imputation

o Mentored a research assistant, including reviewing written materials, teaching the basics of R programming, and meeting regularly
o Ensured transparency and openness by pre-registering the study, making coding scripts publicly available, and sharing supplementary materials in the Open Science Framework
- Ongoing projects
  o Examining whether changes in Asian-Americans' experiences of discrimination during COVID-19 predict their mental health outcomes (project co-supervised by Dr. Rebecca Neel)
  o Completing a thesis project testing whether time use predicts well-being
  o Contributed to a first co-authored book chapter on reproducibility in clinical psychological science that was accepted

Data Management Lead, Population Well-being Lab   **September 2021 – Present**
Work Study Program, University of Toronto, PI: Dr. Felix Cheung
- Oversaw data management for twelve projects for an Individual Differences Lab course
- Cleaned and prepared datasets in R for five projects on topics related to subjective well-being
- Established a centralized repository for sharing data, scripts, and codebooks

Independent Project Student, Intergroup Relations Lab   **September 2021 – Present**
University of Toronto, PI: Dr. Alison Chasteen
- Examine the mechanisms behind the effects of concealing an identity on health and well-being outcomes using network analysis in collaboration with Dr. Elizabeth Page-Gould
- Conducted a literature review and delivered a proposal presentation in the lab meeting
- Collected data from the undergraduate student pool

Research Assistant, Social Cognitive Science Lab   **September 2019 – December 2020**
Research Opportunity Program (ROP299), University of Toronto, PI: Dr. William Cunningham
- Examined trait and role judgments for the self, close other, and far other
- Added survey questions to Qualtrics, wrote an Inquisit script, and contributed to journal club meetings

Research Assistant, Learning and Neural Development Lab   **October 2019 – February 2020**
Work Study Program, University of Toronto, PI: Dr. Amy Finn
- Administered an eye-tracking study using EyeLink and Experiment Builder with the undergraduate student pool
- Created lab training materials for onboarding new lab members

Research Assistant, Translational Research in Affective Disorders Lab   **May – August 2019**
Emory University, PI: Dr. Michael Treadway
- Helped with a clinical trial testing the efficacy of an anti-inflammatory drug for treating depression
- Entered data into REDCap, transcribed Behavioral Activation therapy sessions, assisted with fMRI testing, and contributed to lab meetings

Presentations

Chan, E. W., Cheung, F., & Neel, R. (2022, February). *The impact of experiences of discrimination on the health and well-being of Asian-Americans during COVID-19*. Data blitz talk to be presented at the Society for Personality and Social Psychology Happiness & Well-being Preconference, San Francisco, CA, USA.

Chan, E. W., Solomon, A., & Cheung, F. (2022, February). *Subjective well-being shapes U.S. presidential, Senate, and House of Representative election outcomes*. Paper to be presented at the annual meeting of the Society for Personality and Social Psychology, San Francisco, CA, USA.

Chan, M., Cheung, F., Hon, C., Lo, L., **Chan, E. W.**, Ma, T. F., & Shek, P. (2022, February). *COVID-19 vaccines and mental distress: A new utility for vaccinations*. Paper to be presented at the annual meeting of the Society for Personality and Social Psychology, San Francisco, CA, USA.

Chan, E. W., Cheung, F., & Neel, R. (2022, January). *Asian-Americans' experiences of discrimination, health, and well-being during COVID-19*. Talk to be presented at the University of Toronto Psychology Graduate Students' Association Symposium. [Virtual]

Chan, E. W. & Cheung, F. (2021, November). *Subjective well-being shapes U.S. presidential, Senate, and House of Representative election outcomes*. Poster to be presented at the Harvard Women in Psychology Trends in Psychology Summit. [Virtual]

Chan, E. W., & Cheung, F. (2021, July). *Subjective well-being shapes U.S. presidential and Senate election outcomes*. Data blitz presented at the 2021 Biennial Association for Research in Personality Conference. [Virtual]
- 4 badges: diverse sample, construct diversity, methodological diversity, and constraints on generalizability 🌸🌸🌸🌸

Chan, E. W. (2021, March). *Happiness shapes U.S. electoral outcomes*. Victoria College Research Day, University of Toronto, Toronto, ON. [Virtual]

Skills
- **Statistical software:** SPSS, R
- **Quantitative methods**: Weighted least squares regression, multilevel multiple imputation, multilevel modeling, multiple regression, mean-centering, robust standard errors
- **Certifications:** MRI Level 1 Training, Research Ethics
- **Eye-tracking software:** Eye-Link and Experiment Builder
- **Video coding and transcription:** Datavyu, Audacity, Wondershare Filmora
- **Language skills:** English (fluent), Mandarin and Cantonese (basic)
- **Additional tools:** Open Science Framework, Inquisit, Qualtrics, REDCap, Adobe InDesign

Service

Presentations

Chan, E. W. (2021, September). *Upper year psychology student experiences at the University of Toronto*. Psychology Students' Association, University of Toronto, Toronto, ON. [Virtual]

Chan, E. W. (2021, July). *Undergraduate panel: The psychology program at the University of Toronto.* University of Toronto Summer Psychology Research Initiative, Toronto, ON. [Virtual]

Chan, E. W. (2021, March). *Student research experiences: Work study program and Psychology Research Specialist program.* Psychology Students' Association, University of Toronto, Toronto, ON. [Virtual]

Chan, E. W. (2021, February). *Upper year panel: All about research at the University of Toronto.* Psychology Undergraduate Research Club, University of Toronto, Toronto, ON. [Virtual]

Chan, E. W. (2021, January). *Upper year psychology student experiences at the University of Toronto.* Psychology Students' Association, University of Toronto, Toronto, ON. [Virtual]

Chan, E. W. (2020, February). *Student research experiences: Work study program.* Psychology Students' Association, University of Toronto, Toronto, ON.

Positions
Co-President, Psychology Students' Association   October 2020 – Present
University of Toronto
- Act as a liaison with the Psychology Department and Arts & Science Student Union
- Oversee the successful planning and execution of events and opportunities, including hosting weekly student hours
- Volunteer at the Psychology Department's recruitment events
- Plan and host events such as Career Day, Annual General Meetings, a joint conference and recruitment event, monthly executive team meetings
- Manage co-curricular validation for the executive team to receive credit for their positions

Equity, Diversity, and Inclusion (EDI) Volunteer   October 2020 – Present
Department of Psychology, University of Toronto
- Undergraduate research assistants initiative
  o Helped develop a demographics survey for undergraduate psychology students to share their research experiences
  o Created and distributed a slidedeck detailing lab structures and research tasks
- High school outreach
  o Assisted with the inaugural Summer Psychology Research Initiative at the University of Toronto, an intensive two-week bootcamp for high school students who are interested in psychology
  o Helped review applications, secure library access, and record lectures

Seminar Coordinator, Psychology Students' Association   April 2020 – October 2020
University of Toronto
- Brainstormed seminar ideas and secured speakers for interdisciplinary seminars such as "Psychology & Organizational Behavior"
- Ensured a seamless transition for the incoming Seminar Coordinators

Volunteer Coordinator, Psychology Students' Association   April 2019 – April 2020
University of Toronto

- Organized the Volunteer Orientation and Volunteer Appreciation Day each semester
- Reviewed volunteer applications and scheduled volunteer shifts
- Hosted weekly office hours and contributed to monthly executive team meetings

Volunteer Committee Member, Psychology Students' Association   **October 2018 – April 2019**
University of Toronto
- Assisted with Volunteer Training Day and Volunteer Appreciation Day
- Created polls to gather feedback on volunteer experiences
- Hosted weekly office hours and responded to student inquiries

Volunteer Teacher, Assisting Individuals with Disadvantages Program   **June – July 2018**
Xinhai Elementary School, Taiwan
- Prepared educational materials for 15 elementary school students as part of a volunteer-based, student-led English instruction program

Mentorship

Amanda Solomon   **May 2021 – Present**
Research Assistant, Population Well-being Lab, University of Toronto

Professional Affiliations

Association for Research in Personality
Society for Personality and Social Psychology

Work Experience

Web Writer, Centre for Teaching Support and Innovation   **October 2018 – February 2019**
Work Study Program, University of Toronto
- Interviewed University of Toronto faculty and published articles on innovative teaching strategies