Luis Ledesma

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EXPERIENCE

Dalla Lana School of Public Health, Research Assistant — **Toronto, ON** *May 2022 – current*
- Studied perception of risk and its relationship to vaccine uptake for a cohort of post-secondary students at the University of Toronto.
- Employed statistical approaches accounting for repeated questionnaires, expected to culminate in the production of a manuscript and a poster presentation.

University of Toronto, TA (STA130, STA238, STA302, STA303, STA475) — **Toronto, ON** *Jan. 2022 - current*
- Led tutorials and hosted office hours in courses ranging from introductory to upper-year Statistics.
- Reinforced students' learning using coding demonstrations in R and RMarkdown.

Baycrest Health Sciences, Practicum Student — **Toronto, ON** *Oct. 2021 – June 2022*
- Analyzed the impact of irregular testing dates of online brain health assessments taken over time by a subset of older adults.
- Extended existing longitudinal analyses by modelling both the assessment intensity and outcome response in order to account for irregular observations.

United Nations Population Fund - UNFPA, Consultant — **Lima, Peru** *Mar. 2021 - Jul. 2021*
- Part of a multidisciplinary research team that examined the estimation of the maternal mortality ratio (MMR) trends in Peru.
- Developed statistical models to forecast the MMR trends at the provincial level.

National Centre for Epidemiology, Prevention and Disease Control - CDC Peru, Research Assistant — **Lima, Peru** *Mar. 2020 – Aug. 2021*
- Researched epidemiological models in the context of the COVID-19 outbreak in Peru.
- Automated data cleaning procedures to use RMarkdown for daily report generation and data visualization using Shiny.

LEADERSHIP AND AWARDS

Dalla Lana School of Public Health, Student-led conference content sub-committee volunteer — *Oct. 2022 – Nov. 2022*
- Helped curate contents covered in the conference, along with script preparation.

National Centre for Epidemiology, Prevention and Disease Control - CDC Peru, Content Coordinator and Teaching Assistant — *June 2021- July 2021*
- Taught content based on RECON (R Epidemics Consortium) learn, a platform based on reproducibility in R, with a focus on visualization and data wrangling using tidyverse.
- Offered office hours and tutoring for students after content delivery.

McGill University, Awards received:
- Edward Rosenthall Memorial Prize in Mathematics, 2017
- ISM Undergraduate Summer Scholarship, 2016

EDUCATION

University of Toronto, M. Sc. in Biostatistics — **Toronto, ON** *Sept. 2021 – Sept. 2023 (Expected)*
Thesis: *Intercept estimation of semi-parametric joint models in the context of longitudinal data subject to irregular observations*
Cumulative GPA: 4.00/4.00

McGill University, B. Sc. in Honours Mathematics — **Montreal, QC** *Sept. 2013 – May 2017*
Cumulative GPA: 3.97/4.00

Skills

- **Programming:** R (tidyverse, Shiny), Python, SAS, MATLAB, SQL, Mathematica
- **Software Tools**: Git, Jupyter, R Markdown, Netlogo, LaTeX