

Pietro Violo

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Education

Université de Montréal

PH.D. IN DEMOGRAPHY

Quebec, Canada

2023 - 2027(Expected end date)

Université de Montréal

M. SC. IN DEMOGRAPHY

Accelerated transition to doctorate

Quebec, Canada

2022 - 2023

Université de Montréal

B.SC. IN DEMOGRAPHY AND MATHEMATICS

GPA: 3.9/4.3

Quebec, Canada

2019 - 2021

Certificates and Workshops

UC Berkeley

ANNUAL WORKSHOP ON FORMAL DEMOGRAPHY

California, United States

Summer 2023

Max Planck Institute for Demographic Research

CERTIFICATE IN COMPUTATIONAL DEMOGRAPHY

Rostock, Germany

Autumn 2022

Work experience

Indigenous Services Canada, Demand Forecasting Unit

ANALYST (STUDENT)

Winter 2023 - Present

- Estimate and project Indigenous populations by gender, age, and community using various demographic and statistical methods
- Conduct a literature review on the theoretical elements of the project
- Create project visualizations to make information more accessible

Université de Montreal

COURSE LECTURER - PROGRAMMING FOR DEMOGRAPHY

Winter 2024

- Teach R, Stata, and SAS programming languages with a specific application in demography
- Develop and correct practical work, assignments, and exams
- Answer course-related questions and guide students in their research projects

Statistics Canada, Demography Centre

ANALYST

Summer 2022 - Autumn 2022

- Estimate the size of the population over the age of 90 by gender and Canadian province
- Review the literature on estimation methods
- Create R programs of several population estimation algorithms: Survivor Ratio method, Extinct Cohort method and Das Gupta method
- Make presentations to share knowledge with other departments

Université de Montréal, Department of Demography

TEACHING ASSISTANT - PROGRAMMING FOR DEMOGRAPHY

Winter 2022, 2023

- Create videos to facilitate the learning of R, SAS and STATA programming languages
- Conduct hands-on sessions
- Correct assignments and answer questions

Consolato Generale d'Italia

INTERN

Autumn 2021

- Browse the archives and the various databases of the Italian Consulate covering over 60,000 Italian citizens in the consular district
- Building a web scraping program to identify deceased but undeclared Italian citizens
- Assess the demographic profile of the Italian citizens in the Canadian consular district and produce statistics on the subject

Université de Montréal, Department of Demography

RESEARCH ASSISTANT - THE DETERMINANTS OF MODAL AGE AT DEATH

Summer 2021

- Research and download contextual variables from various databases
- Data cleaning and processing
- Generate statistical and graphical models in R
- Contributing to a scientific article
- Prepare presentations for various symposiums and conferences

Université de Montréal, Department of Demography

RESEARCH ASSISTANT - DIFFERENTIAL MORTALITY OF COVID-19 IN THE UNITED STATES

Winter 2021

- Explore and transform data provided by the Centers for Disease Control and Prevention (CDC WONDER)
- Calculate and standardize COVID-19 mortality rates in each U.S. state
- Produce statistics and graphs in the R programming language

Université de Montréal & University Institute of Geriatrics of Montreal

RESEARCH ON THE AGING OF THE QUEBEC POPULATION

Summer 2020

- Update demographic data and rewrite article for publication
- Explore databases (including Statistics Canada, ISQ, and Canadian Institute for Health Information)
- Research and writing of new topics related to aging

The Montreal Children's Hospital

ADMINISTRATIVE AGENT

2016 – 2023

- Manage payroll and schedules
- Ensure that departments have sufficient staff to function properly
- Ensure good communication between the units and the hospital's nurse manager

Acquired Tools

R: Tidyverse, Data Table, Machine learning, Web scraping, Building packages

Python: Choropleth, pandas, BeautifulSoup

Other tools: Regular Expression, LaTeX, Zotero, Github, Microsoft Office(Word, Excel), Photoshop

Publications and Talks

Pietro VIOLO, Nadine OUELLETTE

Presentation - 2024

GENERATING LIFESPAN INDICATORS FROM ONLINE OBITUARIES

*Population Association of America,
Columbus, OH, United States*

Pietro VIOLO, Nadine OUELLETTE

Poster - 2023

THE USAGE OF OBITUARIES AS AN ALTERNATIVE DATA SOURCE FOR MORTALITY

*Population Association of America, New
Orleans, LA, United States*

Pietro VIOLO, Nadine OUELLETTE

Presentation - 2023

THE USAGE OF OBITUARIES AS AN ALTERNATIVE DATA SOURCE FOR MORTALITY

Canadian Population Society, Toronto

Pietro VIOLO, Nadine OUELLETTE

Presentation - 2023

LES NÉCROLOGIES COMME SOURCE DE DONNÉES POUR ÉTUDIER LA MORTALITÉ AU QUÉBEC

*Association des démographes du
Québec*

Pietro VIOLO, Simona BIGNAMI, Timothy RIFFE, Enrique ACOSTA et Daniela GHIO

Presentation - 2022

SEX DIFFERENCES IN COVID-19 MORTALITY IN THE UNITED STATES: A STATE-LEVEL ANALYSIS

*European Population Conference,
Groningen, Netherlands*

Nadine OUELLETTE, Marielle CÔTÉ-GENDREAU and Pietro VIOLO

Presentation - 2022

MODELING CONTEXTUAL DETERMINANTS OF RISING ADULT MODAL AGE AT DEATH IN HIGH-INCOME COUNTRIES

*Association des démographes du
Québec*

Marie-Jeanne KERGOAT, Jacques LÉGARÉ and Pietro VIOLO. 2022.

Book chapter

« ASPECTS DÉMOGRAPHIQUES ET ÉPIDÉMIOLOGIQUES DU VIEILLISSEMENT AU QUÉBEC », DANS PRÉCIS PRATIQUE DE GÉRIATRIE, 4E ÉDITION (DIR. MARCEL ARCAND ET RÉJEAN HÉBERT). QUÉBEC : EDISEM, PP. 1-16.

Pietro VIOLO, Simona BIGNAMI, Timothy RIFFE, Enrique ACOSTA and Daniela GHIO

Poster - 2022

SEX DIFFERENCES IN COVID-19 MORTALITY IN THE UNITED STATES: A STATE-LEVEL ANALYSIS

*Population Association of America,
Atlanta GA, United States*

Nadine OUELLETTE, Marielle CÔTÉ-GENDREAU and Pietro VIOLO

Poster - 2022

MODELING CONTEXTUAL DETERMINANTS OF RISING ADULT MODAL AGE AT DEATH IN HIGH-INCOME COUNTRIES

*Population Association of America,
Atlanta GA, United States*

Awards and Distinctions

2024-2025	Canada Graduate Scholarships — Doctoral (CGS D) , The top-ranked applicants who meet the eligibility criteria receive an offer of a scholarship from the CGS D program.	115,000 \$
2024-2025	FRQSC – Doctoral training scholarships (B2Z) , The evaluation committee ranked the project as the best for the 2024 cohort (out of 25 candidates).	100,000 \$
2023	Commitment scholarship , To support students involved in their community, in a group, organization or project, and achieving good academic results.	3,000 \$
2023	Population Association of America 2023 - Blue Ribbon , For best research poster in the Mortality and Morbidity poster session.	–
2023	Doctoral Admission Excellence Scholarship , Awarded to students who have demonstrated exceptional academic achievements upon their admission to graduate programs.	5,000 \$
2023-2024	Master’s level scholarship (Social Sciences and humanities research council of Canada).	17,500 \$
2022-2023	Master’s level scholarship (Research funds of Quebec) , The evaluation committee ranked the project as the best for the 2022 Demography and Sociology cohort.	40,000 \$
2022	Jacques Légaré et Gisèle Gratton Scholarship for Demographic Research,	3,000 \$
2022	Poster Contest - 2nd place , at the annual student symposium for the COVID-19 gender differential mortality study in the United States (Association des démographes du Québec).	–