

## MOHSEN MONJI

*PhD Candidate in Sociology, FRQSC Scholar, CAnD3 Doctoral Fellow, CRDCN Emerging Scholar*

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## EDUCATION

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<b>Ph.D. CANDIDATE</b> IN SOCIAL AND CULTURAL ANALYSIS (SOCIOLOGY)	2020 – PRESENT
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*Concordia University*

*Montréal, Canada*

- **Co-Supervisors:** *Matthew Unger, Marie-Pier Joly (Concordia University)*
- **Committee Member:** *Alexis Dennis (McGill University)*

M.A. IN ANTHROPOLOGY

2018

*University of Tehran*

*Iran*

B.S. IN INDUSTRIAL ENGINEERING

2015

*Isfahan University of Technology*

*Iran*

## RESEARCH INTERESTS

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*Sociology of Health, Social Determinants of Health, Quantitative Research Methods, Survey Methodology, Applied Social Statistics, Computational Sociology, Critical Data Studies*

## MANUSCRIPTS IN PROGRESS

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- Disparities in Diagnosed Anxiety and Depression among Young Adult in Canada: A Mixed Effects Model Analysis.
  - Machine Learning Approaches to Population Mental Health: A Comparison of Logistic Regression, Support Vector Machines, and Decision Trees.

## PROFESSIONAL AND RESEARCH EXPERIENCE

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**DOCTORAL RESEARCHER, CRDCN EMERGING SCHOLAR**

**2024 - Present**

*The Canadian Research Data Centre Network (CRDCN)*

*Montréal, Canada*

*Using data from Statistics Canada to analyze disparities in mental health outcomes among youth and young adults in Canada.*

**DOCTORAL RESEARCHER**

**2024 - Present**

*The Quebec inter-University Centre for Social Statistics (QICSS)*

*Montréal, Canada*

*Using data from Statistics Canada to analyze disparities in mental health outcomes among youth and young adults in Canada.*

**DOCTORAL FELLOW** **2024 - Present**  
***Consortium on Analytics for Data-Driven Decision-Making (CAnD3), McGill University***  
*One-year training fellowship in population data analytics at McGill University.*

**RESEARCH ASSISTANT** **2022 - Present**  
***Department of Sociology and Anthropology, Concordia University***  
*Research assistant to Professor Matthew Unger in two SSHRC and FRQSC projects on law, criminalization, and Indigenous communities in Canada.*

**RESEARCH ASSISTANT** **Jan 2022- June 2023**  
***Department of Sociology and Anthropology, Concordia University***  
*Research assistant to Professor Marie-Pier Joly in a project on employment, underemployment, and the mental health of immigrants in Canada.*

**RESEARCH ASSISTANT** **Jun 2023 - Sep 2023**  
***The Applied Artificial Intelligence Institute, Concordia University***  
*Research assistant to Professor Tristan Glatard, Canada Research Chair on Big Data for Neuroinformatics and the co-director of the Applied Artificial Intelligence Institute. Conducted research on Gender Equity in AI, leading to the development of a set of normative principles for gender equity in AI.*  
*Publication available at: [Normative Principles for Gender Equity in AI](#)*

**CONTRIBUTING AUTHOR/EDITOR** **Jul 2023 - Oct 2023**  
***All Tech is Human, Responsible Artificial Intelligence Working Group***  
*Contributed to the writing of the 2023 Responsible Tech Guide. Available at: [Responsible Tech Guide](#).*

## TEACHING EXPERIENCE

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**LECTURER**, *Department of Sociology and Anthropology, Concordia University*

**SOCI 212, Statistics I**, Winter 2025

- Designed a course titled “Statistics for Social Good” by incorporating experiential learning to provide students with more opportunities to work with real-world data to examine topics such as income inequality, food insecurity, housing, and disparities in health outcomes.

**TEACHING ASSISTANT**, *Department of Sociology and Anthropology, Concordia University*

- Provided office hours, led tutorials, and conducted lab sessions to support student learning.

**SOCI 212-B, Statistics I**, Fall 2024

**SOCI 213-B, Statistics II**, Winter 2024

**SOCI 213 -CC, Statistics II**, Winter 2024

**SOCI 213-AA, Statistics II**, Fall 2023

**SOCI 310, Research Methods**, Winter 2022

**SOCI 300, Classical Social Theory**, Winter 2025, Fall 2024

**SOCI 300, Classical Social Theory**, Winter 2023, Fall 2022

**SOCI 300, Classical Social Theory**, Winter 2022, Fall 2021

**TEACHING ASSISTANT**, *Department of Applied Human Sciences, Concordia University*

**AHSC 380, Quantitative Research Methods for Practitioners**, Winter 2022

**TUTOR**, *self-employed, Tehran, Iran, 2016-2020.*

- Taught Social Statistics and Quantitative Research Methods to undergraduate and graduate social science students.

### CONFERENCE PRESENTATION

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**ODISSEI Conference of Computational Social Science**, Utrecht, The Netherlands (2024)

*Machine Learning Approaches for Exploring the Social Determinants of Mental Health in Canada*, (Absent due to visa delays).

**Canada's Social Prescribing Conference- Advancing Social Prescribing for Health & Wellbeing**,

Toronto, Canada (2024)

*Towards Mental Health Equity through Community Building: Social Prescribing as an Emerging Determinant of Mental Health in Canada.*

### TALKS

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**Affecting Machines: Normative Principles for Gender Equity in Artificial Intelligence**, Fourth Space, Concordia University (2023)

*Panelist in a workshop discussing and presenting the Normative Principles for Gender Equity in AI. See the recorded workshop at: [Affecting Machines](#)*

### SCHOLARSHIPS, FELLOWSHIPS, AWARDS , DISTINCTIONS

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- **Canadian Research Data Centre Network (CRDCN) Emerging Scholars Grant, Ph.D., 2024.**  
*Awarded by CRDCN, Funded by the CFI, CHIRR, SSHRC, Statistics Canada.*
- **Quebec Inter-University Center for Social Statistics (QICSS) Entrance Scholarship, PhD, 2024.**
- **Fonds de recherche du Québec (FRQSC) Doctoral Scholarship, 2024-2026.**  
*Ranked 1<sup>st</sup> in Sociology and Demography.*
- **Consortium on Analytics for Data-Driven Decision-Making (CAnD3) Fellowship, 2024-2025.**  
*First Concordia student to be awarded the CAnD3 fellowship by McGill University.*
- **Dialogue McGill's Graduate Research Scholarship, 2023-2024.**

*Awarded by McGill University, funded by Health Canada, for my research on “Language Barriers as a Social Determinant of Mental Health among English-Speaking Post-Secondary Students in Quebec: A Literature Review and Policy Analysis”.*

- **Concordia University Conference Travel Award**, 2024
- **Concordia University Merit Scholarship**, Department of Sociology and Anthropology, 2023
- **Concordia University Graduate Fellowship (Ph.D.)**, 2020-2024
- **Concordia University International Tuition Award of Excellence (Ph.D.)**, 2020-2024
- **Ranked 4<sup>th</sup>** in the Iranian University Entrance Exam for M.A. Degrees in Social Sciences (4<sup>th</sup> in Demography, 5<sup>th</sup> in Anthropology), 2015.
- **Ranked 294<sup>th</sup>** in the Iranian University Entrance Exam for B.S. Degrees in Engineering, 2008.

## MEMBERSHIPS

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- *Canadian Sociological Association*
- *American Sociological Association*
- *Canadian Population Society*
- *Canadian Public Health Association*
- *American Statistical Association*
- *American College Health Association*
- *The Health Equity Network*
- *Women's Health Research Cluster*
- *The Quebec Population Health Research Network*

## SKILLS & PROGRAMMING LANGUAGES

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- Experienced in **Survey Design and Data Analysis**: survey creation, complex survey data analysis, sampling & nonresponse bias, weighting including bootstrapping for variance estimation.
- Experienced in Statistical **Modeling and Data Analysis** with R and Python: multiple imputations, bootstrapping, mixed-effects models, latent class analysis, I-MAIHDA, logistic regression, ordinal regression, and mediation and moderation analysis.
- Experienced in **Machine Learning** with R and Python: supervised and unsupervised learning including support vector machines, decision trees, k-nearest neighbors, random forests, neural networks, and ensemble methods
- Experienced in **Data Visualization** with R and Python: ggplot2, matplotlib, seaborn, plotly, gganimate, and shiny dashboards for creating static and interactive visualizations.
- Experienced in **Version Control and Collaboration** with Git and GitHub for managing code and collaborating on data science projects with reproducible workflows.
- Experienced in **Mathematical Writing** with LaTeX, R Markdown, Quarto, and Bookdown: Creating academic manuscripts, technical reports, and online course materials with professional formatting and reproducibility.
- Experienced in **Reproducible Research Practices**: R Projects, renv & GitHub
- Experienced in **Statistical and Survey Software**: SPSS, Qualtrics, Google Forms
- Proficient in **Visualization Software**: Tableau

- **Programming Languages:** R and Python.
- Experienced in **Collaboration Tools:** Google Workspace, Microsoft 365, Notion
- Excel, Word, and PowerPoint

## CERTIFICATES

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**Canadian Statistics and Microdata for the Social Sciences**, issued by Concordia University, 2023.

**Gender-Based Analysis Plus**. *Issued by Government of Canada, 2024.*

**Gender and Health: Awareness, Analysis, and Action**. *Issued by Pan American Health Organization, 2024.*

**Health Inequality Monitoring Foundations: Data Sources**. Issued by World Health Organization, 2023.

**Health Inequality Monitoring Foundations: Health Data Disaggregation**. Issued by World Health Organization, 2023.

**Inequality Analysis using R: Disaggregated data from surveys**. Issued by World Health Organization, 2023.

**Research Ethics based on the Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans (TCPS 2: CORE 2022)**. Issued by Government of Canada, 2024.

## VOLUNTEERING

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Citizens for Public Justice

**2024-Present**

Migrant Workers Alliance for Change

**2022-2024**

## LANGUAGES

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English (*Bilingual*), Persian (*Native*), French (*Elementary*)

## REFERENCES

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**Matthew P Unger** ([matthew.unger@concordia.ca](mailto:matthew.unger@concordia.ca)) ([homepage](#))

*Associate Professor, Department of Sociology and Anthropology, Concordia University.*

**Marie-Pier Joly** ([marie-pier.joly@concordia.ca](mailto:marie-pier.joly@concordia.ca)) ([homepage](#))

*Assistant Professor, Department of Sociology and Anthropology, Concordia University.*

**Alexis Dennis** ([alexis.dennis@mcgill.ca](mailto:alexis.dennis@mcgill.ca)) ([homepage](#))

*Assistant Professor, Department of Sociology, McGill University*