Data Analyst, Population Health Data Science lab

Department: Department of Kinesiology & Health Science, Faculty of Health, York University
Job details: Full time – 12 month contract with possibility for renewal
Job start date: June 1, 2023
Job end date: June 1, 2024
Salary: $45K - $60K
Total weekly hours: 35
Hours of work: 10:00am to 6:00pm
Job location: York University, Keele Campus

Job Purpose:
We are seeking highly qualified candidates for a Data Analyst position at the Population Health Data Science lab at York University in Toronto, Canada. Under the supervision of the Principal Investigator, Dr. Antony Chum, Director of Population Health Data Science Lab at York University, the data analyst will become a core member of a research group that aims to contribute knowledge in the field of social and psychiatric epidemiology.

Major areas of responsibility:
The Data Analyst role will primarily involve data quality assessment and monitoring, data analysis, and interpretation of findings related to studies of mental health, substance use, and suicidality. The successful applicant will have daily interactions with researchers and trainees focused on social epidemiological research. We currently operate in a hybrid environment, requiring both in-person and remote work (approximately 3 days per week in office), with occasional travel to the Statistics Canada Research Data Centre (in Toronto or Hamilton).

Here's What You'll Get To Do:
- Formulation of data analysis plans.
- Preparation of manuscripts for peer-reviewed publications, assist with response to reviewers
- Data management, cleaning, analysis, and presentation of results in tables and figures, and preparation of manuscripts for submission to peer-reviewed research journals.
- Literature searches, particularly as required to undertake state-of-the-art data analysis and interpretation.
- Assist with the preparation of research proposals and grant applications, research ethics board submissions, and study materials (e.g., data collection forms).
- Assist and mentor students, research assistants, etc. with data analyses.
- Attend relevant meetings, rounds or workshops to increase knowledge and skills.

Job qualifications and related skill:
- Thesis-based graduate degree in epidemiology, public health, economics, or health/social research involving quantitative data analysis.

- Evidence of advanced quantitative data analysis skills, including coursework and practical experience.
- Previous direct involvement in the analysis, interpretation and reporting of a clinical or epidemiological research study (evidenced by acknowledgement or co-authorship on published research articles). Co-authorship as the primary data analyst on at least one submitted or published research paper is strongly preferred.
- Advanced proficiency with a statistical software application (SAS, Stata and/or R) and willingness to use SAS and R.
- Experience and familiarity with causal inference modelling (e.g. regression discontinuity, difference-in-differences, interrupted time series) is a major asset
- Ability to work independently
- Excellent written and oral communication skills.
- Demonstrated interest in and/or work experience related to social epidemiological research would be an asset
- Please address the following points in your cover letter (max 1 page total). Applications that do not include these points are unlikely to be considered further:
- Brief explanation of your reason for applying to this specific position and your experience/training that would prepare you for the role.
- List of your most relevant graduate-level university courses (i.e., advanced study design or statistical analysis) and your grade in the course.
- Brief description of your graduate thesis and your direct role in data collection, processing, analysis and interpretation.
- List of one or more peer-reviewed papers on which you are a co-author, and an explanation of your direct role in data collection, processing, analysis and/or interpretation. Please provide links to published papers.

Application:
Please submit your full package via email to eddief@yorku.ca