Position: Postdoctoral Fellow- Mobility (GPS) Research

Site: Remote or Onsite (Queen's University, Kingston, Ontario)
Department: Public Health Sciences
Reports to: Principal Investigator (Dr. Sahar Saeed)
Hours: 37.5 hours per week

Queen's University is looking for an experienced professional to fill the key role of a **Postdoctoral Fellow** in our **Public Health Sciences** Department.

Are you a recent biostatistics or epidemiology Ph.D. graduate with experience analyzing aggregation data drawn from anonymous mobile data? We are looking for a postdoctoral fellow interested in building a career in data science.

Smartphones have become an essential part of our daily lives. Globally it is estimated there are 6.6 billion smartphone users, and by 2026 this is expected to increase to 7.5 billion. The unprecedented number of people with access to smartphones has created an opportunity to amass and track population-level mobility patterns through Global Positioning Systems (GPS). The COVID-19 pandemic exposed the capacity of using mobility data as an epidemiological surveillance tool to support public-health decision making. We are looking for a post-doctoral fellow interested in expanding on our team's mobility research which used aggregated location data to track the spread of SARS-CoV-2. You will lead projects that will identify disparities and evaluate the impact of the COVID-19 pandemic at long-term care facilities and hospitals. You will be working with a team of experts in epidemiology, biostatistics, geriatrics, and geospatial analytics and providing new insights on optimally leveraging anonymous mobility data that can continue to inform public health decision-making post-pandemic.

Job Description:

The post-doctoral fellow will work under the direction of the PI, but we encourage them to bring their own ideas and expertise. Candidates are expected to hold a Ph.D. from a recognized university. Candidates who are close to finishing their PhDs but have not published are also encouraged to apply. All candidates should have at least one manuscript published at the time of the application (illustrating advanced quantitative skillsets).

Qualifications:

- Recently graduate from a Ph.D. program in biostatistics, computer science or epidemiology (with a strong quantitative background) **(required)**
- Expertise in R, Python or equivalent **(required)**
- Experience using location data or similar **is required** (candidates should include a brief summary of the data source they used, in their cover letter)
- An established track record in publications is an asset
- Excellent organizational and analytical skills, along with a high degree of independence and flexibility, to thrive in a novel and rapidly evolving research environment.
- Ability to write scientific communications
- Excellent initiative and leadership qualities

Salary: $50,000 per year **Contract length:** 12 months (starting January 2023)

Qualified candidates should send their CVs, transcripts and a cover letter indicating how they meet the job description to the PI (sahar.saeed@queensu.ca) by November 30, 2022.