

Job Description

Position: Senior Data Analyst (Mixed Methods)

Type: Part-time, Temporary (2 years)

Hourly Rate: \$45.00 / hour

Hours: 17.5 hours / week

Start Date: 1 June 2022

End Date: 31 May 2024

Location: Remote, Within Canada

Schedule: Flexible (Must be available for regular meetings 9am – 5pm Pacific Time, M-F).

Application Deadline: 15 May 2022

About The Health Ecologies and Lifestyles Lab (HEAL)

The Healthy Ecologies and Lifestyles Lab (HEAL) is a social and behavioural epidemiology lab led by [Dr. Kiffer Card](#) in the Faculty of Health Sciences at Simon Fraser University. In partnership with the [Mental Health and Climate Change Alliance](#) and [The Institute for Social Connection](#), HEAL currently leads research projects focused on the upstream social-ecological determinants of health, happiness, and wellbeing – with an emphasis on addressing psychological and emotional distress associated with public health crises, which include climate change, loneliness, substance use, and economic turmoil.

Duties

HEAL is recruiting a passionate, curious, and highly-skilled individual as a Senior Data Analyst (Mixed Methods) to work on projects related to two priority research areas (1) climate-related ecological distress and (2) social and emotional distress. The Senior Data Analyst (Mixed Methods) will be responsible for the following duties:

- Attend and lead HEAL team meetings and meetings with stakeholders.
- Develop and provide training to other HEAL lab members in quantitative and qualitative data analyses.
- Collaborate with HEAL and partnering organizations to develop analyses plan for proposed and funded research projects.
- Develop and implement data management protocols for HEAL projects;
- Conduct quantitative and qualitative analyses under the supervision of SFU-FHS faculty and partnered organizations.
- Generate data insights through self-directed exploratory data analyses.
- Develop compelling infographics, lay reports, academic publications, and presentations that effectively communicate the methods and findings of research activities.

Qualifications

- Completion of a Bachelor's (B.Sc. or similar) and Master's (M.Sc. or similar) degree in health sciences, statistics, computer science, or a related area (e.g., Public Policy, Social Work, Sociology, Anthropology).
- At least 3 years' experience using the R programming language.
- Demonstrated proficiency conducting complex data manipulations of structured and unstructured data.
- Demonstrated proficiency conducting exploratory and advanced data analyses of survey data, geospatial data, social media data, and interview and focus group data.
- Demonstrated proficiency in written and oral communication.

Core Competencies

The Senior Data Analyst (Mixed Methods) will also demonstrate the following behavioral competencies:

- **Information Seeking** implies going beyond the questions that are routine or required in the job. It may include “digging” or pressing for exact information; resolution of discrepancies by asking a series of questions; or less-focused environmental “scanning” for potential opportunities or miscellaneous information that may be of future use.
- **Analytical Thinking** is the ability to comprehend a situation by breaking it down into its components and identifying key or underlying complex issues. It implies the ability to systematically organize and compare the various aspects of a problem or situation, and determine cause-and-effect relationships (“if...then...”) to resolve problems in a sound, decisive manner. Checks to ensure the validity or accuracy of all information.
- **Expertise** includes the motivation to expand and use technical knowledge or to distribute work-related knowledge to others.
- **Innovation** indicates an effort to improve performance by doing or promoting new things, such as introducing a previously unknown or untried solution or procedure to the specific area or organization.
- **Problem Solving and Judgement** is the ability to analyze problems systematically, organize information, identify key factors, identify underlying causes and generate solutions.
- **Results Orientation** is a concern for surpassing a standard of excellence. The standard may be one's own past performance (striving for improvement); an objective measure (achievement orientation); challenging goals that one has set; or even improving or surpassing what has already been done (continuous improvement). Thus, a unique accomplishment also indicates a Results Orientation.

How to apply

Please email your application to kcard@sfu.ca. All applicants are required to provide (1) a cover letter (≤ 2 pages), (2) resume/curriculum vitae, and (3) writing sample. The writing sample must include quantitative or qualitative data analysis independently conducted by the applicant. These materials will be used to invite applicants to participate in our multi-stage hiring process.

Invited applicants will be required to:

- (1) **Participate in a 45-minute interview over Zoom.** If you are selected to complete an interview, you will receive \$25 CAD as compensation for your time. During the interview, we will ask you to describe experiences that demonstrate your suitability for this position;
- (2) **Complete a competency evaluation.** If you are selected to complete a competency evaluation, you will receive \$150 CAD as compensation for your time. The competency evaluation will ask you to analyze a dataset provided by us and write a short written abstract of your findings. You will be required to use R for these analyses and submit your code along with the written abstract;
- (3) **Provide contact information for two references.** If you are selected as a finalist for the position, we will request contact information for two references. Please provide their name, your relationship to them (including the duration of your relationship), and their email address. We encourage you to seek out references who have a broad understanding of your expertise. These may include peers, colleagues, current/previous supervisors, or former subordinates. You should not select individuals as references if you have a supervisory relationship over them.

Equity and Diversity

Simon Fraser University is an institution whose strength is based on our shared commitments to diversity, equity and inclusion. Diversity is an underlying principle of our Strategic Vision, which pledges SFU to “foster a culture of inclusion and mutual respect, celebrating the diversity reflected among its students, faculty staff and our community.” SFU is committed to ensuring no individual is denied access to employment opportunities for reasons unrelated to ability or qualifications. Consistent with this principle, SFU will advance the interests of underrepresented members of the work force, specifically Indigenous peoples, persons with disabilities, racialized persons and women; embrace gender and sexual diversity; ensure that equal opportunity is afforded to all who seek employment at the University; and treat all employees equitably. Candidates that belong to underrepresented groups are particularly encouraged to apply. We encourage applicants belonging to these underrepresented groups to self identify in their application materials.