EMPLOYMENT OPPORTUNITY

Be a part of something BIG.

Data Analyst
JOB OPENING ID 322442

IPUMS makes the world's largest collection of individual-level population data freely accessible online. We are looking for smart, technically-minded people who enjoy working with data to join the IPUMS team. With thousands of researchers using these data worldwide, a position with IPUMS offers numerous ways to contribute to the development and enhancement of this public good.

IPUMS seeks one or more data analysts to join the diverse team of researchers and technical staff supporting and improving the world's best dissemination systems for population and health data.

IPUMS comprises a suite of census and survey data collections. The specific collection pertinent to this data analyst position is IPUMS-International (international.ipums.org), which incorporates census data from nearly 100 countries going back decades or centuries. As with all IPUMS projects, the signature activity is the integration of discrete datasets into a single consistently coded and documented series that enables comparative analyses over time or space. IPUMS projects share common methods and infrastructure while each has its unique challenges and timelines of deliverables. The environment is highly collaborative, and you will work closely with research scientists, data analysts, graduate research assistants, and software developers.

RESPONSIBILITIES

Data analysts are involved in all stages of data and metadata production.

The first position we look to fill will focus primarily on creating spatially consistent GIS boundaries across census years for IPUMS-International countries. Specific tasks would include identifying and interpreting boundary changes, matching census microdata codes to labels and to contemporary maps, GIS mapping of the countries, documenting changes in geography between censuses, and integration of international microdata to match changes in geography.

The second position will potentially engage in the full range of IPUMS integration work: coding data, harmonizing codes across datasets, resolving comparability issues, documenting variables, exploring data quality, testing website functionality, adapting existing methods and tools to new purposes, and developing new approaches to address novel situations.

Analyst positions may require supervising research assistants. The position may also involve public presentations on campus or at professional conferences to disseminate information about IPUMS projects. We are constantly pushing the boundaries of data processing and dissemination methods, and there is considerable opportunity for initiative and creativity by all members of the research

QUALIFICATIONS

Required qualifications for the first position: A Bachelor's degree; GIS experience; experience with at least one major statistical software package (e.g., SAS, Stata or SPSS); at least six months (or two semesters) of experience conducting data analysis and GIS. Excellent computer skills and experience with census or survey microdata using a major statistical package. Strong written, verbal and interpersonal communication skills.

Additional selection criteria include: Python programming in a GIS environment, experience using one of the IPUMS databases or any other large-scale census or survey data; experience combining multiple data sources; degree in a social science or health-related field; demonstrated ability to work independently and as a member of a diverse team; ability to learn new information technology as required; experience working with a programing language and/or Unix.

Required qualifications for the second position: A Bachelor's degree; experience with at least one major statistical software package (e.g., SAS, Stata or SPSS); at least six months (or two semesters) of experience conducting data analysis. Excellent computer skills and experience with census or survey microdata using a major statistical package. Strong written, verbal and interpersonal communication skills.

Additional selection criteria include: experience using one of the IPUMS databases or any other large-scale census or survey data; experience combining multiple data sources; GIS experience; degree in a social science or health-related field; demonstrated ability to work independently and as a member of a diverse team; ability to learn new information technology as required; experience working with a programing language and/or Unix.

Please include in your cover letter how many years of data analysis experience you have (including relevant courses, internships and jobs).

APPLICATION PROCEDURE

Please apply using the University of Minnesota's online employment system (humanresources.umn.edu/jobs); search job opening ID 322442. You will have the opportunity to complete an online application. Click "apply" and follow the instructions. You must attach a cover letter, resume, and contact information for three professional references to your online application.

Your cover letter should explain your interest in either or both position openings and highlight your relevant skills and abilities. Please include in your cover letter how many years of GIS and data analysis experience you have (including relevant courses, internships and jobs), and when you are available to start. The search committee will begin its review of applications immediately upon receipt; the position will remain open until filled. Questions concerning the application process may be addressed to Mia Riza, HR Generalist, at mpc-jobs@umn.edu.

Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.