Statistician, Biostatistician

- North America
- Iowa City, USA

The University of Iowa

A position which is considered essential for the effective long-term operation of the university. Persons appointed to this position will receive the privileges and benefits associated with regular employment status.

Duties:

Consultation

- Advise Program investigators on the statistical aspects of study design.
- Prepare statistical sections for studies.
- Communicate statistical findings to Program investigators.

Data Analysis

- Perform library research on specified topics, including methods and trends in molecular epidemiologic data analysis techniques.
- Analyze and report on methods and trends in molecular epidemiologic data analysis techniques and apply those techniques to Program datasets.

Statistical Analysis

- Create, test, validate, and document computer programs that generate data summaries and data listings for reports using statistical packages.
- Create, test, validate, and document programs that perform statistical analyses and other computations for Program projects.
- Assist Program investigators in statistical analysis.
- Determine appropriate analysis techniques.
- Assist in judging the validity of data obtained and recommend additional tests and/or modifications to the analysis.
- Assure data fit models required by the statistical methods.
- Participate in the development of methods for organizing, documenting, and archiving statistical analysis programs, datasets, and results.
- Participate in quality control activities.
- Maintain confidentiality of data.

Presentation/Publication Assistance
- Prepare final statistical reports and data presentations in order to present results of analyses at meetings and other forums.
- Assist in the preparation of research papers and manuscripts for publication and presentation at conferences and meetings, and assist in writing project reports, grant applications, articles, and other documents.

Human Resources/Leadership

- Provide training for data management and analytic procedures.
- Collaborate with Program staff to create and maintain an excellent, high quality Program.
- Please note in regard to references: Five (5) professional references may be required at a later step in the process.

Education Required:

Requires the academic knowledge of the area of biostatistics or applied statistics, including advanced study or demonstrated capacity for biostatistics research, which is generally associated with a Master’s degree, or an equivalent combination of education and progressively responsible work experience. A doctoral degree is preferred.

Experience Required:

- Experience (1-3 years) using SAS for performing statistical analyses.
- Experience (1-3 years) using R for performing statistical analyses.
- Demonstrated experience and background in epidemiologic research.
- Demonstrated and effective oral and written communication skills and excellent interpersonal skills.
- Demonstrated ability to function independently.
- Demonstrated ability for accuracy and attention to detail.

Desirable Qualifications:

- Demonstrated experience and background in geospatial analysis.
- Demonstrated experience with development and publication of scientific manuscripts.
- Demonstrated experience with development and presentation of posters/presentations for scientific studies.
- Demonstrated experience with writing programs in C++ and related programming languages.
- Demonstrated experience using relational databases, including SQL programming.
- Demonstrated experience with Microsoft Office, including Word, Excel, Access, and PowerPoint.

https://www.statsjobs.com/job/statistician-biostatistician/