

Research Data Analyst, Sr

Job ID: 18139

Northwestern University

Chicago Campus

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Once you are on the Careers Home page, please follow the below steps to view the Research Data Analyst, Sr position:

1. Click on the "Advanced Search" link located in the Basic Job Search box.
2. Type: Research Data Analyst, Sr into the Keywords text box.
3. Click on the Search button to view the search results.

Thank you.

Job Summary:

This position will be responsible for developing and implementing statistical and psychometric analysis plans, managing complex assessment data, and writing technical reports, manuscripts, and grant proposals. This individual will provide expertise in data management and quality assurance activities, and will work closely with investigators, study coordinators, database programmers and statisticians to implement appropriate data management strategies for a wide range of studies. This individual will also participate in patient-reported outcomes research; providing statistical and data management support to primary investigators. Knowledge of statistical analysis techniques and quantitative research methodologies is required. Excellent communication, attention to details and technical writing skills are required. Knowledge of test design, classical test theory, and psychometrics, is beneficial.

Specific Responsibilities:

Providing statistical and technical writing support to primary investigators on projects that consist of: completing data analysis; generating statistical tables, graphs, and charts; data management and analysis of complex test designs;

Managing large data sets, evaluating data quality, statistical programming (SAS, SPSS, S-PLUS, R, or equivalent) to analyze data, and interpreting results;

Preparing technical reports, summaries; and documenting results from quantitative /psychometric analyses;

Working in a collaborative environment to summarize data into manuscript form, to assist with preparing grant proposals and papers for publication; technical writing and editing;

Performs other related duties as assigned.

#### Minimum Qualifications:

Bachelor's degree in biostatistics, statistics, or a related field and two or more years' experience in programming and statistical analysis or equivalent education and experience from which similar skills may be acquired;

Excellent written and verbal communication skills;

Excellent interpersonal skills to foster collaborative partnerships using a team approach

Good understanding of data flow and data analysis; able to apply project management principles and practices for analysis projects;

Demonstrated understanding and successful application of statistical analysis techniques

Thorough understanding of data management, statistical and reporting tools and quality assurance strategies;

Comfortable and confident fulfilling the role of design and analysis expert in team meetings

The desire to learn new skills is expected, as is the willingness to share knowledge with other members of the team;

Proficient in SAS.

#### Preferred Qualifications:

Experience with health outcomes assessment is not required, but a plus;

Experience in the testing/assessment field is a strong plus;

Master's degree in biostatistics, statistics, or a related field and five or more years' experience in programming and statistical analysis or equivalent education and experience from which similar skills may be acquired;

Possess knowledge of psychometric principles, theory, study design and statistical modeling/analysis;

Experience with item response theory (IRT) applications and technologies.

As per Northwestern University policy, this position requires a criminal background check. Successful applicants will need to submit to a criminal background check prior to employment.

Northwestern University is an Equal Opportunity, Affirmative Action Employer

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