Center for Nursing Research

Job Title: Sr. Statistician

Job Requisition #: 401093805

Job Code: 1792

Job Level: 84

Updated: 04/26/16

Apply Online: https://www.hr.duke.edu/jobs/apply/external.php

Job Summary

Perform a variety of advanced statistical and technical activities for the design, analysis, and interpretation of statistical data in conjunction with the Center for Nursing Research in the School of Nursing and Duke Health System nursing. Supervise and provide training for lower level statisticians.

Job Responsibilities/Duties

- Perform a variety of advanced statistical and technical activities for the design, analysis, and interpretation of statistical data in nursing and healthcare research.

- Evaluate research studies and recommend statistical procedures, including, but not limited to, hypothesis tests, linear models, and multivariate analysis to analyze statistical data.

- Work as a member of the Research Design and Statistics Core in the Center for Nursing Research, and with relevant research teams.

- Collaborate with nursing researchers and provide the statistical input required in the design, conduct, and analysis of major scientific research studies.

- Provide statistical consultation through the Research Design and Statistics Lab in the Center for Nursing Research for faculty, students, and DUHS nurse researchers on the design, management, analysis, and interpretation of statistical data.
• Provide input and oversight for implementing efficient computerized research data management systems using commercially available software and hardware. Perform complex statistical analyses for a broad spectrum of types of data and types of studies.

• Prepare reports that summarize the analysis of statistical data, interpret the findings, and provide conclusions and recommendations. Participate in the preparation of manuscripts that are submitted for publication.

• Present talks, seminars, courses, or other oral presentations of research methods and statistics used in scientific studies.

• Supervise the work of and provide training for lower level statisticians or less experienced employees engaged in the collection, tabulation, management, and analysis of statistical data.

• Perform other related duties incidental to the work described herein.

The above statements describe the general nature and level of work being performed by individuals assigned to this classification. This is not intended to be an exhaustive list of all responsibilities and duties required of personnel so classified.

Qualifications

Required:  Position requires a PhD degree in statistics or biostatistics and two years of relevant experience. Postdoctoral work may be included as experience. Strong knowledge of SAS.

Preferred:  Working knowledge of SPSS, R, Stata, C++, Python, or other statistical and computational programs. Working knowledge of advanced statistical modeling such as multilevel, structural, and longitudinal modeling. Working knowledge of big data such as big data collection and management, data analytics, and machine learning. Some experience of extramural grant writing. Functional knowledge of standards in good clinical practice, data security, and confidentially.

Expectations

• Provide timely communication in response to emails, phone calls, or verbal conversations within 1-2 business days unless an alternative timeframe is determined.

• To work with faculty, staff, and students with statistical data needs and respond appropriately to timeline expectations supporting the faculty statisticians as needed.