

RESEARCH ANALYST II, DCRI -CENTER FOR INFORMING HEALTH DECISIONS

Duke University, United States

Location:Durham, NORTH CAROLINA

Job Description

Occupational Summary:

This position will support stated-preference research studies in the Center for Informing Health Decisions in the Duke Clinical Research Institute. These studies employ a variety of approaches including discrete-choice experiments, best-worst scaling, contingent valuation, and contingent behavior methods to elicit and quantify preferences of patients, caregivers, and medical providers across features and outcomes for various medical tests, interventions, and services. The position offers an excellent environment for professional growth and development, including co-authored publications, opportunities for presenting research findings at internal and external scientific meetings, and potential for influencing evolving standards for regulatory applications of quantitative patient-preference data. The position requires extensive interpersonal interaction within and across multidisciplinary research teams, including clinician investigators. The ideal candidate will have strong communications skills and applied experience in all aspects of stated-preference studies including proposal writing, budget preparation, attribute development, survey development, experimental design, data collection, data manipulation, statistical analysis of choice data, and generation of study reports and scientific manuscripts. Familiarity with data management and choice modeling using SAS, Stata, and Limdep or Biogeme software is required.

Work Performed:

- Perform reviews of the medical literature to identify key attributes and levels for consideration in stated-preference studies. In collaboration with principal investigators, conceptualize research ideas, identify funding opportunities, and draft project proposals, budgets, and timelines. Draft study protocols for data collection, coding and quality-control procedures.
- Lead and coordinate stated-preference survey-development tasks.
- Plan and lead qualitative evaluations, including focus groups and one-on-one qualitative interviews, for developing study attributes and testing draft stated-preference survey instruments.
- Generate and evaluate efficient experimental designs. Ensure compliance with Institutional Review Board policies and procedures.
- Perform statistical analyses of choice data using statistical software packages such as SAS, Stata, Limdep, or Biogeme. Interpret results from statistical analyses and prepare oral presentations and written reports.
- Liaise with project sponsors, survey vendors, external research collaborators and internal project staff to coordinate timelines, discuss project-related issues, and identify solutions to operational problems.

- Draft clear and concise memos and study reports to communicate project status and findings to sponsors and study team.
- Confer with principal investigators to discuss interpretation of results and plans for dissemination, and prepare and co-author manuscripts for publication. Supervise the work of lower-level employees supporting all survey-research tasks.
- Train lower-level personnel and peers in stated-preference research methods.
- Perform other related duties incidental to the work described.

Minimum Qualifications: Education: Work requires a bachelor's degree in a field related to the position, preferably economics, statistics, or mathematics. A background in psychology or health services research with a strong quantitative emphasis also is acceptable. Experience: Work requires 5 years of relevant research experience. A related advanced degree may offset required years of experience on a 1:1 basis, e.g. a two year master's degree in lieu two years of experience.

Minimum Qualifications

Education

Work requires a Bachelor's degree in a field related to the specific position preferably economics, statistics, or mathematics. A Master's degree is strongly preferred. A background in psychology or health services research with a strong quantitative emphasis also is acceptable

Experience

Work requires five years of experience in research/data analysis or related position. A related master's degree may offset required years of experience on a 1:1 basis, e.g. a two year master's degree in lieu two years of experience.

OR AN EQUIVALENT COMBINATION OF RELEVANT EDUCATION AND/OR EXPERIENCE

Duke University is an Affirmative Action/Equal Opportunity Employer committed to providing employment opportunity without regard to an individual's age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or veteran status.

Duke aspires to create a community built on collaboration, innovation, creativity, and belonging. Our collective success depends on the robust exchange of ideas—an exchange that is best when the rich diversity of our perspectives, backgrounds, and experiences flourishes. To achieve this exchange, it is essential that all members of the community feel secure and welcome, that the contributions of all individuals are respected, and that all voices are heard. All members of our community have a responsibility to uphold these values.

Essential Physical Job Functions: Certain jobs at Duke University and Duke University Health System may include essential job functions that require specific physical and/or mental abilities. Additional information and provision for requests for reasonable accommodation will be provided by each hiring department.