



Psychometrician

Job Summary

At Riverside Insights, elevating potential is what we do, and research-based assessments is how we do it.

Role Summary

The qualified candidate will have completed a Doctorate in psychometrics, educational measurement, or a related field, and have one to three years' experience working in a testing-related environment. Alternatively, a Master's Degree and extensive experience in educational measurement and psychometrics (or related industry) will be considered. The Psychometrician will implement projects involving the development of various assessment instruments and products and assist with custom contracts as assigned. The Psychometrician will contribute to and be accountable for all technical aspects of assigned projects, including item and test analyses, DIF analysis, IRT calibration, equating, scaling, norms development, and computer adaptive testing. Computer skills with statistical packages (e.g., Winsteps, PARSCALE, BILOG-MG, FlexMIRT, R, SAS and/or SPSS) are required.

Primary Responsibilities

- Works with the Senior Director of Research and Measurement Services and Research Scientist project leads to implement psychometric and statistical analyses that examine the psychometric characteristics of tests. (30%)
- Manages large data files, apply statistical analysis software such as R, SAS and/or SPSS, and run IRT calibration software (e.g., Winsteps, Parscale, Bilog, etc.). And, applies excellent data analytic skills to the data management, statistical modeling, and the interpretation (30%)
- Plans and selects appropriate statistical and psychometric methodologies involved in the accurate scoring, analysis, and reporting of assessment programs and initiates discussions among team if psychometric/measurement risks are identified. (10%)
- Designs and implements procedures for presenting technical characteristics of tests and evaluate the extent to which product development activities will result in sound assessment products. (10%)
- Works within a team to ensure that procedures for meeting test development standards are included in project specifications. (10%)
- Responds to questions from team members and other internal staff, as well as project staff, regarding the technical characteristics of current tests or those under development. (5%)
- Uses written communication skills to describe proposed or recently completed work; use spoken communication skills to present work results to internal teams as well as customers. Maintains professional relationships as a representative or advisor to external advisory or policy boards and councils, research organizations, educational institutions and educators (5%)

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Education Level and/or relevant experience

- The qualified candidate will have completed a Doctorate (or ABD) in psychometrics, educational measurement, or a related field, and have one to three years' experience working in a testing-related industry
- A Master's Degree in a related field with extensive experience in educational measurement and psychometrics or related industry will be considered.
- A sound conceptual understanding of psychometrics is essential. Qualified candidates must also demonstrate strong organizational and communication skills and be able to function independently and collaboratively on research projects.
- Experience in computer programming (operational and/or simulation) related to computer adaptive testing is preferred.

Knowledge and skills

- Knowledge of and experience with IRT calibration, equating, and norming. Knowledge of technical requirements, test statistics, and APA/AERA Standards and produces analyses that meet all professional standards of test development.
- Knowledge of support tools such as SAS/SPSS, IRT calibration/linking tools, and Microsoft Office.
- Ability to apply knowledge gained through experience in test development to prepare project specifications, anticipate implementation problems, and completion of test-development projects.
- Ability to adapt test theory for practical applications.
- Strong organizational and communication skills.
- Knowledge of CAT and relevant programming skills are preferred.

COMPENSATION

Competitive compensation based on prior experience and earnings.

RIVERSIDE INSIGHTS IS AN EQUAL OPPORTUNITY EMPLOYER

Riverside Insights provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.

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DISCLAIMER

The above statements are intended to describe the general nature and level of the work being performed by people assigned to this work. This is not an exhaustive comprehensive list of all possible duties, tasks and responsibilities. Riverside Insights management reserves the right to amend and change responsibilities to meet business and organizational needs as necessary.

ABOUT RIVERSIDE INSIGHTS

Assessments play a critical role in unlocking a person's true potential. Actionable insights — derived from accurate, reliable and consistent data — create opportunities that help people thrive.

Through our proven portfolio of trusted and precise assessment solutions, Riverside Insights offers the clarity and perspective needed to create a meaningful impact at the state, district and individual levels. We're dedicated to creating and providing a broad range of high-quality, time-tested professional testing products and services as well as delivering meaningful information that can enhance the lives of children and adults.

At Riverside Insights, we are fueled by a powerful mission: *to provide insights that help elevate potential*. This stems from a core belief that every person should have the ability to understand their potential and be guided to the resources that enables them to realize that potential.

We aspire to enrich 1B lives globally by 2030 by providing insights born of research-based assessments to students, clinical patients, and employees/companies.

Elevating potential is what we do... and for over 80 years, developing and providing research-based assessments has been how we do it. Riverside is one of the preeminent and most longstanding assessment developers/publishers nationally.

Riverside is a "purpose-fueled, values-led" company that is aligned behind a "PeopleFirst" ethos and a set of 5 very important core values that guide who we work with, how we make decisions, and the standard that we hold ourselves to.

Go to www.riversideinsights.com to learn more about our organization.

Come join our growing team and be a part of our mission help elevate potential globally!

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