Psychometrician

We are seeking a Psychometrician who will contribute through their knowledge, skills, and expertise in educational measurement, psychometrics, and statistical modeling to support our Data and Analytics team that delivers a full range of psychometric support to develop innovative techniques and processes and conduct research studies in educational e-assessment and learning for primary, secondary, and post-secondary levels.

Work Experience

- At least two years of experience in an applied measurement or statistical analysis environment. Experience with an assessment program that has gone through a complete operational cycle is a bonus.

Education

- Ph.D. (or Master's) in educational or psychological measurement and statistics, educational psychology or a closely related field.

Qualifications

- Experience with applied psychometric techniques in a job setting, including classical test theory, item response theory, test equating, scaling, linking, and standard setting.

- Experience with software packages and programming languages commonly used in psychometric work or measurement research (for example, SAS, R, SPSS, WINSTEPS, BILOG, MULTILOG, PARSCALE, C , SPLUS, FORTRAN).

- Experience with software associated with areas of expertise (for example, Matlab, IDL, PERL, Java, Javascript, XML).

Responsibilities

- Uses various types of psychometric models to analyze large-scale assessment data.

- Collaborates with members of the Data and Analytics team (psychometrician, data analyst, and quantitative developers) and external stakeholders in conducting and validating all aspects of operational work related to scoring and reporting including data cleaning, key validation, calibration, equating, scoring, quality control, and reporting.

- Produces item and test analyses and summary data tables for use in technical documentation. Performs other psychometric tasks including differential item function and standard setting.

- Designs, documents (including technical specifications), and conducts analyses for item calibration, linking, and equating.

- Demonstrates communication skills (oral, written, and business) necessary to function effectively as a primary contact with internal and external stakeholders.

- Presents to various audiences, including partners, Technical Advisory Committees, and professional conferences. The presentations will have various content, including but not limited to, research finding, plans, and design procedures.

- Demonstrates strong project management and leadership skills to support the Project team and Data and Analytics team members.

- Articulates knowledge of trends in education in assigned operational assessment projects or research projects.

About Vretta

Through innovation in technology, we are creating state-of-the-art assessment and learning experiences that focus on student-success at its core. The user experience is at the heart of our creative process. Our collaborations include academic institutions, research institutes, ministries of education, and examination bodies around the world who drive the re-imagination of what really matters for 21st century learners, and ensure that every student acquires meaningful skills that will serve them in their lives and professions. Every project at Vretta is assigned a highly focused team of designers, researchers, educators, and software specialists who are passionate about making an impact. We welcome you to learn more about what we do at www.vretta.com.

Applying

Please send your resume, along with a cover letter to careers@vretta.com. We look forward to hearing from you, but please note that due to the volume of applications that we usually receive for our job positions, only those shortlisted for next steps will be contacted. We are committed to providing reasonable accommodations for people with disabilities. If you require an accommodation, we will work with you to meet your needs in all stages of the hiring process.

This position could work remotely from home (telework) on a permanent basis for the right candidate.

To stay in touch with Vretta and keep up-to-date on all open opportunities, follow us on LinkedIn, Facebook, and Twitter!