

Psychometrician

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Company: (ISC)2

Location:

Category: other-general

Overview

Your Future. Secured. ISC2 is a force for good. As the world's leading nonprofit member organization for cybersecurity professionals, our core values — Integrity, Advocacy, Commitment, Diversity, Equity & Inclusion and Excellence — drive everything we do in support of our vision of a safe and secure cyber world. Our globally recognized, award-winning portfolio of certifications provide an independent and globally recognized endorsement of cybersecurity knowledge, skills and experience for all career levels. Our charitable arm, the Center for Cyber Safety and Education, enables ISC2 and our members to serve the public by educating the most vulnerable about cyber risks and empowering access to enter and thrive in the cyber profession. Learn more at ISC2 online and connect with us on Twitter, Facebook and LinkedIn. When you join ISC2, you'll demonstrate your commitment to an inclusive and equitable environment. Your support of the unique perspectives and experiences shared by our global cybersecurity workforce and profession will be recognized. We invite you to take an active role in helping us create a true sense of belonging across our organization — an environment of authenticity, trust, empowerment and connectedness that empowers all of our successes. Learn more.

Position Summary

The Psychometrician is responsible for the accuracy and validity of exams by analyzing data that is instrumental to measuring the performance of items and candidates on ISC 2 qualification examinations. The Psychometrician supports these efforts by contributing to exam form/pool construction; standard setting benchmarks; job task analyses; the planning of item development workshops; supporting exam security investigations; enforcing program policies and procedures and complying with accreditation requirements for ISC 2 certification programs.

Responsibilities

- + Develops , updates, and/or reviews policies and standard operating procedures for all psychometric phases of the item and test development cycle and candidate performance data forensics .
- + Independently conducts analyses, replications, and/or quality reviews of psychometric analyses in item calibration, equating & scaling, item and test analyses, differential item functioning (DIF) , test construction activities, analyses for technical reports , and data forensics .
- + Evaluates item banks for suitability for various assessment designs and advises internal staff on item development needs.
- + Develop s research designs appropriate for various projects.
- + Generate s datasets , prepares analysis code, and conduct s empirical analyses in support of psychometrics and/or research projects.
- + Supports documenting informational needs for accrediting agencies and audits.

- + Supports on-going psychometric compliance with ISO 17024.
- + Serves as workshop co host and facilitator for job task analyses (JTAs) and standard settings.
- + Works collaboratively with internal and external partners and follows established protocols to fulfill tasks accurately and on time.
- + Miscellaneous duties as assigned .

Behaviorial Competencies

- Ability to demonstrate and support the 5 Company Core Values: Integrity, Excellence, Unity, Accountability, Agility.
- Ability to inspire trust and confidence with peers, clients and volunteers.
- Constituent retention, volunteer management and motivational skills to support the maintenance and development of certification products.
- Demonstrated skills in complex decision-making, problem-solving and planning.
- Strong analytical thinking, strategic and innovation skills.

Qualifications

- Experience in applying psychometric and statistical methods including classical test theory (CTT), item response theory (IRT), Computer Adaptive Testing (CAT), and sampling theory.
- Experience in conducting JTAs and standard settings.
- Experience with R packages, Winsteps, and Microsoft Excel statistical applications.
- Strong computer and technical skills

including MS Office Suite (Word, Excel, PowerPoint), internet, and web applications. •

Strong oral and written communication skills with global partners (e.g., collaborating across multiple time zones with diverse cultures).

Education and Work Experience

• A Ph.D. in Educational Measurement, Psychometrics, Research Methodology, or a related field is required. • At least 3 years of operational experience developing and implementing practical solutions to applied assessment problems and working as a Research Scientist/Psychometrician is required.

Physical and Mental Demands

- Work normal business hours and extended hours when necessary, adjusting to various time zones
- Remain in a stationary position, often standing or sitting, for prolonged periods
- Regular use of office equipment such as a computer/laptop and monitor computer screens
- Dexterity of hands and fingers to operate a computer keyboard, mouse, and other computer components #LI-REMOTE

Equal Employment Opportunity Statement

All qualified applicants will receive consideration for employment 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 as protected by applicable

law. Job candidates will not be obligated to disclose sealed or expunged records of conviction or arrest as part of the hiring process.

Job LocationsUS-Remote

Posted Date2 weeks ago(4/16/2024 11:29 AM)

Job ID 2024-1830

of Openings 1

Category Exams/Statistics

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