

Psychometrician I

Location: Dover, NH 100 Education Way
Full Time/Part Time: Full time

Position Summary

The Psychometrician I is responsible for implementing psychometric procedures for educational testing programs, ensuring the veracity of data, validating analytical methods and results, and independently designing, planning, and completing research studies to support operational contracts and clients' needs. Additional responsibilities include the following:

- Performing classical and IRT item analyses, equating studies, validity studies, sampling plans, and special statistical analyses.
- Critically evaluating IRT calibration and equating results.
- Using psychometric tools to evaluate the accuracy of results and decisions made during complex psychometric analyses.
- Accurately analyzing, interpreting, and clearly communicating test results to state department of education officials within specified deadlines.
- Working with state officials to ensure the correct implementation of educational testing programs.
- Working with Content Design and Development Specialists to review tests and equating models to support psychometric scales over multi-year periods.
- Authoring technical documentations that comprehensively summarize the details of an assessment program and that are in compliance with the Educational Testing Standards.
- Assisting Psychometrician II in standard setting, technical advisory committee meetings, and other client meetings on an as-needed basis.
- Assisting in working with third parties to ensure the accuracy of equating study results.
- Participating in research projects within the department's research frameworks. Research participation includes, but is not limited to, designing research studies, participating in the company's internship and visiting scholarship programs, and presenting research within the company and at national conferences.

Qualifications

- A Ph.D. in educational statistics, measurement, psychometrics or an Ed.D. in educational measurement.
- Working knowledge of IRT applications, item calibration, score equating, and traditional and IRT-based methods of item and test analysis.
- Experience with IRT software (e.g., WINSTEPS, PARSCALE).

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