EMPLOYMENT OPPORTUNITY WITH RSID

POSTING DATE: 8/8/22

Job Title
Institutional Research Analyst

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Full-time

Location (city, state)
Providence

Company Name + Description
Rhode Island School of Design is a private, nonprofit college founded in Providence, RI in 1877. It is one of the first art and design schools in the US. About 2,500 students from around the world engage in liberal arts studies and rigorous, studio-based learning at RISD (pronounced “RIZ-dee”), where they earn bachelor’s or master’s degrees in 22 majors. Each year more than 5,800 children and adults also participate in RISD Continuing Education courses.

Position Description
Rhode Island School of Design is looking for an Institutional Research Analyst to join its Institutional Data & Research Services Office. This office is a central location for collecting, coordinating, and reporting data for and about RISD. It provides data to members of the RISD community in order to facilitate decision-making and campus planning and accreditation, as well as to external sources including the federal government, publications, and various other organizations. With demonstrated competency in social equity and inclusion, the ideal candidate has a strong knowledge of common institutional research and effectiveness measures and the ability to build effective working relationships throughout the college. The Institutional Research Analyst is responsible for collecting, analyzing, reporting, and disseminating key institutional data. This includes defining and creating the data structures, conventions, methodologies, and display products that will allow rapid qualitative and quantitative analysis, interpretation, and reporting. The Institutional Research Analyst will define, carry out, and report on research studies in response to institutional needs and based on feedback from various stakeholders. The analyst responds to and coordinates internal requests for data and survey design/administration and provides consultative expertise to define, translate, integrate, store and process data that can be used in key performance indicators, compliance indicators, and for academic and administrative business analysis.

Essential Job Functions
DATA COLLECTION AND ANALYSIS Provide accurate and timely data and statistics to internal and external audiences in support of mandatory compliance reporting; government reporting requirements, such as Integrated Postsecondary Education Data Systems (IPEDS); and benchmarking with other national organizations. Work collaboratively with departments across RISD to coordinate the design, administration, and analysis of national and institutional surveys. Utilize the centralized survey dashboard to disseminate summaries, custom analyses, and reports, as necessary. Maintain RISD’s Tableau data site and all internal dashboards, and update as needed. Design and conduct analytical research and evaluation studies, including preparing interpretive analyses and presenting findings, clearly and concisely, in narrative and graphic forms. Disaggregate results for continuous improvement, both periodically and as requested. Support the college by identifying and meeting data needs, as directed by the Executive Director and in areas identified by the Provost. Respond to ad hoc requests from various institutional offices, departments, and committees in a timely manner and by providing consultation and expertise. Disseminate key information to the RISD community through written and oral methods as well as the RISD website. DATA PLANNING Contribute to an ongoing data governance process, conferring with offices across the Institution to create and ensure data standards and accuracy and to document data definitions and users. Continually evaluate and refine RISD data definitions, in order to meet institutional and regulatory requirements. Investigate, plan and implement short-term and long-term Business Intelligence and reporting system solutions, in close collaboration with Information Technology Services, to support identified strategic plans that meet the needs for data, data processing, data analysis, and tracking and documenting KPIs. Actively engage the Director of Academic Budgets and Resources in order to identify and implement solutions to meet dynamic analytical needs for institutional academic resource allocation and budgeting. Provide a comprehensive view of enrollment data and student analytics at RISD based on feedback form and engagement with Student Enrollment. PLANNING & ACCREDITATION SUPPORT Conduct institutional research, policy analysis, and outcome assessment to support institutional planning and accreditation efforts, both periodically and as requested. Prepare analyses, reports, visual displays, and dashboards and provide benchmarking to inform institution leadership and assess progress towards institutional goals, both periodically and as requested. Provide data and analytic support for the institution and specific departments, in compliance with accreditation and program review requirements at the institution and discipline level, both periodically and as requested. ADDITIONAL FUNCTIONS: Research and continue to expand expertise on software products, best
EMPLOYMENT OPPORTUNITY WITH University of Kentucky

POSTING DATE: 8/8/22

Job Title
Asst Professor Quantitative & Psychometric Methods

FLSA Status (exempt, non-exempt)
non-exempt

Position Status (full, part-time)
full-time

Location (city, state)
Lexington, Kentucky

Company Name + Description
University of Kentucky

Position Description
The Department of Educational, School, and Counseling Psychology in the College of Education at the University of Kentucky invites applications for an Assistant Professor, regular title series tenure-eligible, in Quantitative and Psychometric Methods to begin August 16, 2023. Please visit our program’s website at: https://education.uky.edu/edp/qpm/ for information about the Quantitative and Psychometric Methods Program. You are eligible for a generous benefits package as a University of Kentucky faculty member with diverse rewards, focusing on your total well-being. Additional information and updates to benefits can be found at: https://ukjobs.uky.edu/postings/412440

Qualifications

Knowledge/Skills/Experience Strong knowledge of common institutional research and effectiveness measures required. Experience in research methodology, statistical analysis, trending, interpretation of data and findings, familiarity with data collection and preparation, processing, classification, forecasting/predictive modeling/simulation, and longitudinal analysis required. Competency in social equity and inclusion, and the ability to thrive in a diverse and inclusive environment is required. Experience with survey design, development, implementation, and reporting; demonstrated experience in the use of statistics and relevant applications, research methodologies, and knowledge of sound survey research practices required. Experience with querying tools, MS office, and quantitative analytical tools, such as SPSS or SAS required. Advanced spreadsheet proficiency especially with functions, calculations, pivot tables, and data features required. Ability to build effective working relationships throughout the college Bachelor’s degree with a minimum of three years of experience in higher education institutional research or a comparable field.

Preferred Qualifications: Experience using Workday in a higher education environment. Experience with effective graphical information display and dashboard systems design and standards, such as Tableau, and Workday Prism.

How to Apply
https://ukjobs.uky.edu/postings/412440

Resume (required)
Cover Letter (required)
Incomplete applications will not be considered. Please upload all required documents. The successful candidate will be required to meet our pre-employment background screening requirements. RISD recognizes diversity and inclusivity as fundamental to its learning community and integral to an art and design education. We welcome candidates whose experience has prepared them to contribute to our commitment to diversity and excellence. RISD is an Equal Opportunity Employer. Employment decisions are made without regard to race, color, religion, sex, age, national origin, disability, veteran status, sexual orientation, gender identity or expression, genetics, or any other protected characteristic as established by law.
### EMPLOYMENT OPPORTUNITY WITH edCount

**POSTING DATE:** 8/2/22

**Job Title**
Associate – Technical Specialist

**FLSA Status (exempt, non-exempt)**
Exempt

**Position Status (full, part-time)**
Full-Time

**Location (city, state)**
Remote

**Company Name + Description**
edCount, LLC is a woman-owned small business with multiple long-term contracts serving federal and state governments, universities, associations, and other clients in the education sector. Primary topics of interest at edCount are: education standards, assessment, and accountability systems; curriculum and pedagogy; education of students with special needs and English language learners; and the role of the federal government in K-12 education policy. edCount is committed to seeing that all students have equitable access to learning regardless of race, ethnicity, socioeconomic background, or gender identification. For further insight into the nature of the firm go to [www.edCount.com](http://www.edCount.com).

**Position Description**
We are presently seeking individuals with experience in educational assessment (formative, interim, large-scale summative) or evaluation. We desire applicants who think creatively and analytically, write clearly and convincingly, are organized and detail oriented, and can provide support to a variety of projects. For this associate-level position, we require a Master’s degree with 1-3 years of relevant experience; a Ph.D. in a related field is preferred, but not required. Some classroom or educational leadership experience at the K-12 level is highly desired. Experience in designing research and evaluation projects in education, developing data collection materials and processes, analyzing quantitative and qualitative data, and reporting results in relation to research and evaluation questions is essential, as is strong experience using Microsoft Excel and statistical packages such as R, SPSS, and/or SAS. This expertise may come from a combination of graduate-level training, experience working in an educational setting or for an assessment vendor or technical assistance provider, or working in a policy-oriented setting (e.g., for federal or state-level government, education consulting firm, etc.). Strong written and oral communication, presentation, facilitation, project-management, and time-management skills are essential to the position. edCount’s staff, located throughout the U.S., are constantly connected through collaboration software such as Microsoft Office 365, Zoom, and Box.

**Essential Job Functions**
At edCount, Associates begin to direct project tasks, and are expected to complete evaluation, technical, or administrative tasks assigned by others with little supervision. They may also assign and manage the work of program specialists in addition to managing their own work; thus, Associates are expected to demonstrate leadership and management skills that help to support and build critical thinking skills in others. Typical Associate responsibilities include: • Supporting project directors and senior staff in the design and execution of project deliverables; • Managing tasks and workflows within projects, based on instruction or guidance from project directors; • Preparing materials for, facilitating, or presenting at client meetings; • Leading and facilitating virtual and on-site data collection activities with a wide range of stakeholders (e.g., content experts, severe disabilities experts, technical advisors, and state department of education staff); • Collecting and analyzing qualitative and quantitative evaluation data using Microsoft Excel and statistical software such as R, SPSS, or SAS; • Drafting and revising project reports for clients with fast-paced deadlines; and • Supporting the design and delivery of presentations for a variety of education stakeholders (e.g., Technical Advisory Committees, state education department staff). Responsibilities specific to this position may also include: • Assisting in the conceptual design of evaluation studies; • Assisting in the creation of data analysis plans, execution of those analyses, and translation of the findings into reports appropriate for the intended audiences; • Conducting or contributing to literature reviews; and • Conducting telephone interviews, site interviews, focus groups, and other participant-driven data collection activities.
Qualifications Preferred (years of experience, education level etc.)
We seek flexible, resourceful, intelligent, detail-oriented, hard-working individuals who are capable of excelling in an intellectually stimulating and often intense work environment. Facilitation experience and strong quantitative and qualitative research or evaluation experience is required as is expertise using Microsoft Excel, R, SPSS, or SAS. Strong writing skills are a must, as is facility with other MS software applications including Word and PowerPoint. Experience within the K-12 educational system, at the classroom and/or administrative level, is highly desired. Project management experience is also strongly desired. Candidates should have strong communication, time-management, and organizational skills, meet deadlines and deliverables in a timely fashion, and be capable of handling multiple, diverse tasks simultaneously.

How to Apply
This is a remote position. Some travel, as necessitated by project demands, is required. Salary: Very competitive with recognition of experience and education level. Benefits: Very generous – Health Insurance, including dental and vision; 20 days paid time off accrued annually in first year and 30 days paid time off accrued annually after one full year of employment; 11 paid federal holidays; company 401 (k) contribution after 6 months vesting. To apply: In a single package to recruiting@edcount.com with “Associate – Technical Specialist” in the subject line, send: • a resume • a cover letter that explains why edCount might be a good fit for you and also serves as an excellent sample of your writing capabilities, and • names and contact information for three references. Candidates will be interviewed on a rolling basis until the successful candidates are selected, so please apply as soon as possible. edCount is an equal opportunity employer. Principals only. Recruiters, please don't contact this job poster. Please, no phone calls about this job and no contact via LinkedIn or any other social media platform. Apply as directed. Email questions may receive a response depending upon what they reveal about the applicant. Please do not contact job poster about other services, products, or commercial interests.

EMPLOYMENT OPPORTUNITY WITH University of Kentucky
POSTING DATE: 8/2/22

Job Title
Tenure-Track Assistant Professor

FLSA Status (exempt, non-exempt)
exempt

Position Status (full, part-time)
full-time

Location (city, state)
Lexington, KY

Company Name + Description
University of Kentucky

Position Description
The Department of Educational, School, and Counseling Psychology in the College of Education at the University of Kentucky invites applications for a tenure-track position at the Assistant Professor rank in Quantitative and Psychometric Methods to begin August 2023.

Essential Job Functions
The Assistant Professor will teach graduate-level courses on quantitative and psychometric methods including introduction to research methods, data analysis, and measurement theories as well as univariate statistics (e.g., regression analysis). There are opportunities to teach advanced courses on psychometric methods such as item response theory. The Assistant Professor will participate in the supervision of doctoral students in the Quantitative and Psychometric Methods Program. In addition, the Assistant Professor is expected to maintain an active research program resulting in scholarly publications and participate in the application and implementation of extramural funding.

Qualifications Preferred (years of experience, education level etc.)
Candidates must have completed a doctoral degree in a field closely related to Quantitative and Psychometric Methods. Preference will be given to candidates who have an academic emphasis on psychometric methods (i.e., with a strong psychometric background). Ideal candidates will provide evidence of excellence in teaching, analytical (statistical) consulting, and a strong record of research. Some graduate-level supervision experiences are preferable but not required.

How to Apply
Application review begins September 12, 2022, and continues until the position is filled. Applications should include a letter of application describing their appropriateness for the position including their research, teaching, statistical training, and mentoring experience (upload under Cover Letter); candidate statement on diversity, equity, and
EMPLOYMENT OPPORTUNITY WITH JOCRF
POSTING DATE: 8/2/22

Job Title
Research Associate

FLSA Status (exempt, non-exempt)
Non-exempt

Position Status (full, part-time)
Full-time

Location (city, state)
Remote

Company Name + Description
The Johnson O'Connor Research Foundation (JOCRF) is a nonprofit scientific research and educational organization with two primary commitments: to study human abilities and to provide people with a knowledge of their aptitudes that will help them derive more satisfaction from their lives by discovering their potential. The Research Associate will report to the Researcher in the Research Department. The Research Department analyzes and maintains data related to our tests and our clients. Researchers evaluate and monitor test characteristics such as validity, reliability, and stability. They are involved in norm creation, item analysis, and occupational validation of our tests. In addition, the JOCRF is currently embarking on an exciting project to digitize the test battery, and the Research Associate will have the opportunity to assist the Researcher in the statistical and measurement work associated with this project.

Position Description
Responsibilities: Perform and monitor statistical analyses required for data reporting and interpretation of results. Oversee quality control and data integrity analysis for test assembly, item analysis, calibration, scoring, and reporting. Represent the Research Department in planning, implementing, and evaluating system design, improvement, and testing. Present psychometrics in internal and external auditing of production system and process. Maintain quality and security control on all projects. Maintain a high level of confidentiality regarding Foundation client information. Design and conduct scientific studies related to the focus areas of JOCRF’s Research Department. Contribute to advancing innovations in operational assessment programs. Assist in conceptualizing, directing, and managing the statistical/measurement activities performed by the Research Department. Assist in the development of departmental goals, objectives, and strategic plans.

Skills and experience that are a good fit for this role: Intermediate to advanced facility with Microsoft Office Suite and R. Familiarity with SQL a plus. Experience with joining/integrating data sets and manipulating large amounts of data from multiple sources. Training and solid understanding of statistical and/or psychometric theories. Three years of independent substantive research and/or development experience in an area of interest to the JOCRF is required. Will consider experience gained in work towards a degree. Educational and research background in individual differences. Master’s or Ph.D. in measurement, psychometrics, or an applicable discipline (I/O Psychology, Statistics, Psychological Measurement, or equivalent).

Qualifications Preferred (years of experience, education level etc.)
Skills and experience that are a good fit for this role: Intermediate to advanced facility with Microsoft Office Suite and R. Familiarity with SQL a plus. Experience with joining/integrating data sets and manipulating large amounts of data from multiple sources. Training and solid understanding of statistical and/or psychometric theories. Three years of independent substantive research and/or development experience in an area of interest to the JOCRF is required. Will consider experience gained in work towards a degree. Educational and research background in individual differences. Master’s or Ph.D. in measurement, psychometrics, or an applicable discipline (I/O Psychology, Statistics, Psychological Measurement, or equivalent). Candidates may also be asked for the following: A writing sample that demonstrates an ability to clearly and concisely present research-based findings A R code sample that demonstrates
EMPLOYMENT OPPORTUNITY WITH University of Michigan
POSTING DATE: 7/29/22

Job Title
Research Investigator

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Part-time

Location (city, state)
Ann Arbor, MI

Company Name + Description
University of Michigan School of Education

Position Description
A researcher with expertise in psychometrics and mathematics education, specifically in educational measurement and instrument development. The research investigator will be responsible for the analysis of the data collected for the purposes of validating instruments that measure mathematical knowledge for teaching college algebra at community colleges. The investigator will participate in research meetings devoted to developing items, provide feedback to the content of the cognitive interviews, and collaborate on the analyses of the results of those interviews. The investigator will participate in meetings to discuss the interim and final results of the analysis and collaborate in the dissemination efforts associated with the validity of the instruments.

Essential Job Functions
conducting analysis of the quantitative and qualitative data collected for the purposes of validating instruments assessing teacher knowledge in college algebra teaching providing content and statistical feedback for items developed providing protocols for cognitive interviews providing documents reporting analysis results preparing presentations about data collaborating in and leading paper writing and conference presentations

Qualifications Preferred (years of experience, education level etc.)
Ph.D. in educational measurement, quantitative methods, or a related field MA or equivalent in educational research Demonstrated experience with measurement and instrument, including assessment and survey items development demonstrated experience working with Stata, Mplus, or R, and Qualtrics Knowledge in classical test theory, multidimensional item response theory, factor analysis, structural equation modeling, sampling methods, etc. attention to detail Excellent interpersonal, written and verbal language skills . Ability to work collaboratively Working knowledge of Zoom or other video conferencing tools. Familiarity with community colleges and higher education broadly, and with respect to research activities and grants. MA in mathematics education. College teaching experience in mathematics or related field. Community college experience in mathematics.

How to Apply
https://careers.umich.edu/job_detail/219878/research-investigator
EMPLOYMENT OPPORTUNITY WITH University of Kansas
POSTING DATE: 7/27/22

Job Title
Associate Researcher Senior

FLSA Status (exempt, non-exempt)
non-exempt

Position Status (full, part-time)
full time

Location (city, state)
Lawrence, KS; We will consider an exclusively remote staff person outside of the Lawrence, KS area for this position.

Company Name + Description
University of Kansas; Achievement & Assessment Institute; ATLAS

Position Description
Accessible Teaching, Learning, and Assessment Systems (ATLAS) promotes learning and improved outcomes for all students and their educators. Our primary focus is supporting students with disabilities and struggling learners. We create technology-based learning and assessment systems that are accessible and academically rigorous. We specialize in map-based learning systems, informed by research on skill development, assessment design, and teacher professional development. Every program and project in our diverse portfolio of operational and grant-funded research strategically aligns with our student- and educator-focused mission. Our work is also supported by multiple strategic partnerships with organizations that share our focus and commitment to quality learning experiences for all students. In addition to grant-funded research projects, ATLAS develops and delivers state assessments. Our largest assessment system is the Dynamic Learning Maps® (DLM®) Alternate Assessment System. DLM alternate assessments are designed to assess students with the most significant cognitive disabilities in English language arts, mathematics, and science. We also offer custom social studies alternate assessments. Our broader state assessments include the Kansas Assessment Program and the Kansas English Language Proficiency Assessment. As an organization, ATLAS is committed to creating policies and practices that foster a diverse, equitable, and inclusive work environment in which all employees feel they belong and can succeed. ATLAS is seeking a Senior Research Associate to lead and contribute to research, evaluation, dissemination, and proposal development across multiple projects. The Senior Research Associate will lead the design, planning and implementation of research and evaluation projects and will provide methodological expertise for a range of projects across the center. Additional responsibilities will include contributing to proposal development for external funding opportunities, developing technical documentation and disseminating project findings, and other duties as assigned. Critical to the role is the ability to communicate effectively, work collaboratively with colleagues, and be responsive to project needs. The successful candidate has a proven ability to independently manage multiple tasks and projects with competing priorities and deadlines and write for diverse audiences. This is a full time, 40 hours per week position. Our staff is predominantly working remotely at this time but may work on site as needed or desired. We will consider an exclusively remote staff person outside of the Lawrence, KS area for this position. KU offers great benefits to employees with up to 176 hours of paid vacation per year, 72 hours of sick leave earned per year, nine paid holidays plus one discretionary day, a retirement program, medical & dental insurance, life and disability insurance, other benefit plan options and State of Kansas discounts offered by various vendors. KU also offers employees educational and professional development opportunities. KU is a great place to work! See benefits.ku.edu for more details. For complete description and to apply, go to: https://employment.ku.edu/staff/22577BR. Review of applications will begin 07/20/2022. KU is an EO/AAE. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy), age, national origin, disability, genetic information or protected Veteran status. Full policy can be found here: https://policy.ku.edu/IOA/nondiscrimination.

Essential Job Functions
60% - Lead the design, planning, and implementation of research and evaluation projects with diverse purposes and audiences. Conceptualize research studies, develop and manage research and evaluation plans and timelines, and monitor integrity of data collection and use of protocols and procedures. Conduct quantitative and/or qualitative analyses and interpret results. 20% - Collaborate with other staff to develop technical documentation and disseminate project findings. This includes scholarly journal articles, briefs, and other products for a variety of audiences, along with presentations to external groups. 10% - Collaborate with colleagues, both as a lead and as support, to develop proposals for externally funded initiatives aligned with ATLAS priorities. Serve as key personnel on funded projects. 5% - Consult with other ATLAS staff on research and evaluation design, instruments, and data collection and analysis for a range of projects related to ATLAS’ technology-based learning and assessment systems. Provide input on research studies, and review and critique analyses, technical reports, manuscripts, and other materials from other researchers. 5% - Other duties as assigned.

Qualifications Preferred (years of experience, education level etc.)
Required Qualifications: 1. Doctoral degree in educational psychology, educational research and evaluation, or other closely related field. 2. Minimum of 5 years additional postdoc experience designing and conducting educational research and evaluation projects. 3. Demonstrated expertise in quantitative and/or qualitative research methodology as demonstrated by application materials (i.e., publication and presentation history) and interview. 4. One year of experience in at least one data analysis program (e.g., SPSS, SAS, R). 5. Experience writing technical reports, manuscripts, and other dissemination products. 6. Experience managing multiple priorities and deadlines, including adapting in response to changes in work priorities and processes, as evidenced in application 7. Experience applying detail-orientation and strong organizational skills, as evidenced by application materials. 8. Strong written, verbal, and
interpersonal communication skills, as evidenced in application materials and interview. Preferred Qualifications (optional): 1. At least one year of experience conducting applied research and evaluation on technology-based learning and assessment systems in pK-12 education 2. Demonstrated methodological expertise in a specialized area within research design and data analysis (e.g., power analysis, mixed methods) 3. Effective oral and written communication skills for technical and non-technical audiences, as evidenced in written application materials and interview 4. Strong problem-solving skills as evidenced by application materials and interview 5. Experience working on a grant-funded project and/or managing externally funded research or evaluation projects. 6. Record of published research on a topic related to student learning and cognition, and/or assessment in pK-12 education 7. Knowledge of educational methods for disadvantaged populations, such as students with disabilities

How to Apply
For complete description and to apply, go to: https://employment.ku.edu/staff/22577BR.

EMPLOYMENT OPPORTUNITY WITH Lexia
POSTING DATE: 7/27/22

Job Title
Psychometrician and Researcher

FLSA Status (exempt, non-exempt)
exempt

Position Status (full, part-time)
Full time

Location (city, state)
Remote

Company Name + Description
Lexia Through a singular focus on literacy and a full spectrum of solutions to support it, Lexia helps more learners read, write, and speak with confidence. Our digital-centric solutions can be used together or individually to meet structured literacy learning needs for any student as well as the teachers who support them.

Position Description
Lexia is seeking a Psychometrician and Researcher who is interested in applying their skills to our mission: delivering the highest quality literacy programs and best-in-class educational technology experiences to Lexia's millions of students and educators.

Essential Job Functions
Job Responsibilities: ● Researches and engages in data science activities - e.g., statistical modeling of predictors of students reaching end-of-year grade-level benchmarks; determining distributional metrics that meaningfully contextualize student performance within a unit or activity ● Provides psychometric analyses as requests arise - Performs all psychometric analyses for team responsible for developing and enhancing Lexia's patented Assessment Without Testing methodology and embedded assessment data - Provides expertise to assessment content development teams on the development of embedded assessment (e.g., for items and sections) using technology and paper based formats ● Applies sufficient knowledge of statistical procedures, psychometric methods and statistical programming to work independently on most aspects of statistical analysis work, while receiving instruction and guidance in other aspects. ● Ensures quality control of deliverables. ● Is accountable for basic statistical design and analysis decisions. ● Collaborates with internal teams to understand their goals and jointly scope psychometric/research/data support to meet their needs ● Creates visualizations of assessment metrics and concepts in educator dashboard reports ● Organizes and collaborates on data for visualizations and in exports ● Collaborate with Lexia's Product Research team to understand data sources/structures/meaning ● Reviews and evolves technical documentation around assessment metrics ● Evolves systems of document/file organization for collaborative access that adhere to strict data privacy guidelines ● Evidences excellent computer programming skills

Qualifications Preferred (years of experience, education level etc.)
Job Requirements: ● Ph.D. in Statistics, Psychological Measurement, Education Measurement, Psychometrics, or related field with an emphasis on quantitative analysis or psychometrics. ABD will be considered. ● Significant interest in research activities outside of psychometrics and desire to evolve data science skills ● Thorough understanding of Classical Test Theory ● Deep understanding and 3+ years experience with either Rasch or Item Response Theory (IRT) including as the main psychometrician for modeling and guiding implementation - Trained in, and experienced with, item calibration and differential item functioning analyses - Meaningful experience and expertise with Rasch or IRT modeling software (e.g., Parscale, XCALIBRE, WINSTEPS/Facets) ● Knowledge of reading and assessment theory, strategies, instruments, and data collection and analysis methodologies ● Advanced knowledge of research design principles and experience with applied statistics/data analysis ● Ability to translate complex information into easy to understand data visualizations, insightful summaries, and data tools ● Knowledge of culturally responsive assessment practices ● Ability to work very collaboratively with variety of stakeholders ●
Functional organizational, communication and writing/editing skills ● Ability to work independently to review and create educator-friendly resources

Preferred Qualifications ● Formal assessment development experience for K-12 settings ● Experience with large-scale assessment programs: e.g., a department of education, testing industry, or a large school district ● Peer-reviewed publications, as lead analyst, involving Rasch or IRT modeling ● Knowledge and experience with widely used diagnostic and standardized testing measures to assess reading and language skills for grades K - 12 ● Advanced knowledge of reading and assessment theory, strategies, instruments, and data collection and analysis methodologies ● Proficient in working with SQL-based databases ● Expertise in statistical programming (R, Python, SAS, etc.) ● Experience in machine learning/AI techniques (GLM/regression, clustering, decision tree learning, neural networks, etc.)

How to Apply

EMPLOYMENT OPPORTUNITY WITH NBCOT
POSTING DATE: 7/21/22

Job Title
Psychometric and Research Associate

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Full-time

Location (city, state)
Gaithersburg, MD

Company Name + Description
The National Board for Certification in Occupational Therapy (NBCOT) is a national not-for-profit organization that provides certification for occupational therapy professionals. As a distinguished organization that sets a world-class standard for the certification of occupational therapy professionals, NBCOT strives to serve the public interest in its diversity by advancing just, equitable, and inclusive client care and professional practice through evidence-based certification practices and the validation of knowledge essential for effective and safe practice in occupational therapy. We are proud to be one of the few certifying organizations that is accredited by two separate accreditation bodies: the American National Standard Institute (ANSI) and National Commission for Certifying Agencies (NCCA). At NBCOT, justice, equity, diversity, and inclusion (JEDI) are an integral part of our mission and vision and having a diverse staff and inclusive workplace is one of the ways we put our values into action. NBCOT promotes a culture where employees collaborate in an energizing environment while focusing on the high-quality work that makes us stand out in the certification industry. We also believe that life-work balance is important, and demonstrate this belief with a 35-hour work week and a generous benefit package that includes over 30 paid days off each year. We also offer paid medical insurance and a matched 401K plan. NBCOT is proud to be on the Nonprofit Times list of The Best Nonprofits to Work For in 2022 for the ninth year running, as well as being a Great Place to Work certified company.

Position Description
The Psychometric and Research Associate will support NBCOT’s psychometric and research initiatives by assisting with operational psychometric work (e.g., item analysis, equating, technical report writing) and supporting applied research (e.g., designing surveys and analyzing survey data, conducting literature reviews, and preparing manuscripts).

Essential Job Functions
• Analyze data using statistical software (e.g., classical item analysis, Rasch analysis, reliability analysis, equating) • Assist with all aspects of organizational research projects (quantitative and/or qualitative research), including literature reviews, research design, data collection, data analysis, and preparation of manuscripts and/or presentations • Perform quality assurance tasks such as importing, cleaning, and preparing data for analysis and verifying the results of statistical analyses • Contribute to writing technical reports, memos, and manuscripts describing the results of operational psychometric analyses and/or research projects • Assist with the preparation of meeting materials

Qualifications Preferred (years of experience, education level etc.)
• Knowledge of psychometric theory and fundamental concepts in measurement and assessment (e.g., validity, reliability, classical test theory, item response theory) • Knowledge of research methods (including survey design) and statistics • Applied experience with statistical and psychometric analyses • Expertise in statistical software packages such as R, SAS, SPSS, and Winsteps • Expertise in MS Excel • Strong technical writing skills • Excellent attention to detail • Ability to manage multiple tasks to ensure completion of long-term and short-term deadlines • A Master’s degree in a field relating to measurement/assessment is required; a doctoral degree is preferred. Related fields include Educational Research Methods, Quantitative Research Methods, Psychometrics, Industrial-Organizational
EMPLOYMENT OPPORTUNITY WITH DRC
POSTING DATE: 7/21/22

Job Title
Psychometrician

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Full Time

Location (city, state)
Minneapolis or Virtual

Company Name + Description
Data Recognition Corporation- DRC was founded in 1978 as a service firm specializing in test and survey administration and processing. We began with 50 employees in one location—a small group of people dedicated to differentiating their company by providing superior customer service. Since that time, DRC has evolved into a full-service information management company with a staff of more than 750 full-time employees and over 3,000 seasonal and temporary employees in 14 locations around the country. However, even as we have grown, we have remained committed to our “customers first” attitude. Our hallmark in the industries we serve has become our unparalleled responsiveness to each of our clients. Today, DRC’s business units serve the K–12 and adult education sector, Federal and state governments, licensure boards and associations, and commercial clients worldwide. DRC’s Psychometric Services team is staffed with highly-credentialed psychometricians and measurement professionals that design programs to meet the expanding psychometric requirements of next-generation assessments.

Position Description
The Psychometrician is responsible for the design, development, and maintenance of large-scale assessments. Incumbent will work with education clients that have retained DRC’s services, collaborating with each client to determine testing program needs and desired outcomes and identifying how DRC’s psychometric solutions match their unique program’s needs. A successful candidate will demonstrate understanding of best practices in assessment design and development, and measurement theory, and show evidence of being able to successfully partner with clients.

Essential Job Functions
• Ensure that psychometric research is implemented and documented consistently to meet industry standards and that quality assurance criteria, project schedules and deadlines are met. • Manage client relationships and scopes of work that include all phases of the assessment development process including item and test analyses, test equating, standard setting, score reporting and technical reports. • Partner with internal and external stakeholders on reliability and validity studies and other psychometric activities to support our clients. • Participate in meetings with subject matter experts/examination committees. • Represent DRC at industry conferences, preparing and delivering presentations to technical and non-technical audiences. • Create psychometric content for RFP responses. • Contribute as an integral member of DRC’s Psychometric team. • Assist with other Special Projects or teams at DRC as needed.

Qualifications Preferred (years of experience, education level etc.)
• Doctoral degree preferred (Ph.D.) however Master’s Degree in educational measurement, psychological measurement, evaluation, assessment, or a related field with an emphasis on psychometrics will be considered. Bachelor’s Degree required. • 3 + years of experience in the psychometric, measurement, analytics or high stakes testing industry required. • Experience in the development and scoring of examinations for education clients is preferred. • Experience managing client relations for large-scale assessments. • Previous experience conducting standard settings. • Experience working with complex data structures and manipulating and summarizing large quantities of data. • Working knowledge of statistical theory with an emphasis on using item response theory models, research methods, and applied measurement. • Proven ability to lead internal and external teams and projects. • Demonstrated ability to work successfully at both a strategic and tactical level. • Exemplary communication skills, oral and written, and outstanding relationship building skills. • Ability to simplify complex information and communicate to a wide range of audiences. • Experience with computer programs and applications including MS Office, database management and data manipulation is required. Knowledge and demonstrated use of and statistical software (e.g., SPSS, SAS, R, Winsteps or other IRT software) is required. • Proven interpersonal skills and the ability to interact effectively with staff at all levels of the organization.
EMPLOYMENT OPPORTUNITY WITH Monmouth University

POSTING DATE: 7/18/22

Job Title
Director of Assessment

FLSA Status (exempt, non-exempt)
n/a

Position Status (full, part-time)
full time

Location (city, state)
West Long Branch, NJ

Company Name + Description
Monmouth University

Position Description
Department: Institutional Research and Effectiveness
Position Summary: Monmouth University is seeking applications for a Director of Assessment in the Institutional Research and Effectiveness department, which supports assessment for improvement at the University, School, Department, and Program level. The Office strives to be collaborative and innovative thinking partners in assessment efforts at Monmouth University. Part of the Provost and Senior Vice President of Academic Affairs team, the incumbent will report to the Associate Vice President for Institutional Research and Effectiveness and work closely with Academic Affairs colleagues. An ideal candidate will have the capacity to lead all aspects of assessment. Posting Date: 07/07/2022

Located along New Jersey’s northern coastline, Monmouth University is a top-tier, private comprehensive institution that is home to innovative academic programs, expert faculty, and nationally ranked Division I athletics. The University enrolls approximately 5,400 students in 61 undergraduate and graduate degree programs, including four doctoral programs. Small classes geared toward individual attention and immersive learning experiences that extend beyond the classroom, define the student experience at Monmouth. The University’s dynamic learning environment empowers students to become active participants in their education while fully preparing them for life after graduation. Monmouth’s faculty, experts in their respective disciplines and industries, foster student growth by collaborating with undergraduates and graduates in their research and scholarship. Approximately one hour from New York City and Philadelphia, Monmouth University sits at the heart of a vibrant culture rich in history, the arts, technology, and entrepreneurship. The University’s 170-acre coastal campus has been named one of the most beautiful in the world, and blends the classic elegance of National Historic Landmarks with state-of-the-art facilities. A multitude of experiences is available just outside the campus gates. Access Asbury Park’s legendary music scene and diverse cultural opportunities supported by an active LGBTQ+ community. Enjoy Red Bank’s lively theater and dining hub and Long Branch’s redeveloped waterfront with recreational and upscale shopping offerings. Founded in 1933 as Monmouth Junior College, the institution became Monmouth College in 1956 and received its university charter in 1995. Today, Monmouth University is listed in U.S. News & World Report’s “Best Colleges,” The Princeton Review’s “The Best 387 Colleges,” and Money magazine’s “Best Colleges for Your Money.” Monmouth University is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.

Essential Job Functions
A complete list of job duties is available at http://jobs.monmouth.edu.

Qualifications Preferred (years of experience, education level etc.)
Required Degree, License or Certifications: Master's degree
Required Skills or Software: Excellent interpersonal, organizational and communication skills, Must be able to utilize a variety of computer software programs in order to successfully complete assigned tasks, Must be able to treat confidential and sensitive information appropriately

Required Years of Experience: 5 Other Requirements: Master’s degree. Five years of experience directly related to the responsibilities specified OR a doctorate degree OR an equivalent combination of education and experience. Preferred Qualifications: Three years of related experience with Middle States Commission on Higher Education (MSCHE)-accredited and other professional accreditation operations in higher education. One year of supervisory experience. Experience with online data reporting and data visualization (e.g., Tableau, Informer 4/ Informer 5, eTrieve, Colleague, etc.) Demonstrated quantitative and qualitative research experience, including analyses using SPSS, SAS, R, and Excel SQL. Experience in creating and managing databases. Proficiency with educational technologies such as using excel pivot tables and analysis tools. Experience with high-impact assessment practices and survey research practices in higher education. Experience with General Education assessment, program-level assessment, and diversity, equity, and inclusion assessment initiatives. Experience with assessment across a variety of modalities (traditional, hybrid, and online). Demonstrated pro-active team building with faculty and staff. Excellent judgment and organizational skills. Ability to prepare and present findings regarding assessment activities. Ability to adapt to a changing environment and handle multiple priorities. Ability to document compounded projects and assessment data. Ability to lead projects from initial concept discussions through dissemination of analyses and presentation to key stake holders. Creative mindset and resolution to complete tasks effectively

Experience with working in a diverse academic environment.
EMPLOYMENT OPPORTUNITY WITH NBEO
POSTING DATE: 7/11/22

Job Title
Associate Director of Psychometrics and Research

FLSA Status (exempt, non-exempt)
exempt

Position Status (full, part-time)
full time

Location (city, state)
Charlotte, NC

Company Name + Description
The National Board of Examiners in Optometry (NBEO)

Position Description
The National Board of Examiners in Optometry (NBEO) is seeking an Associate Director of Psychometrics and Research to assist the organization. Founded in 1951, the National Board of Examiners in Optometry is an independent, non-governmental, non-profit whose examinations are universally accepted for optometric licensure in the United States and internationally. NBEO’s mission is to serve the public and the profession of Optometry by developing, administering, scoring, and reporting results of valid examinations that assess competence. NBEO has a full-time staff of 18 and utilizes over 100 optometrists as subject matter experts nationwide in support of its examination programs. NBEO is one of the few national boards in any profession with a repertoire of exams that include computer-based tests, an advanced competence exam, and clinical skills test using standardized patients at the National Center of Clinical Testing in Optometry. We work to maintain the best possible environment for our employees, where people can learn and grow with the company. We strive to provide a collaborative, creative environment where each person feels encouraged to contribute to our processes, decisions, planning and culture. This role is a full-time, onsite position based in Charlotte, NC. Reporting to the Executive Director, the Associate Director of Psychometrics and Research is responsible for providing statistical analysis and interpretation of results as it applies to the organization’s focus of developing, administering, and scoring NBEO examinations. This will require leadership both internally and externally regarding issues of exam development, security, and reporting.

Essential Job Functions
Essential Duties and Responsibilities include the following. • Provide support regarding examination development to pertinent staff members. • Participate in all relevant Committee and Council meetings. • Provide presentations as needed for the NBEO Board of Directors. • Participate in research projects of examination validity along with psychometric consultants. • Provide direct support in the development of new exams or practice exams. • Participate in meetings as necessary with the Executive Director with external organizations such as state regulatory boards, statistical vendors, software vendors, legal team, ARBO, and ASCO. • Review all exam items to ensure the items meet NBEO item-writing guidelines. • Periodically, conduct item studies for each NBEO exam. • Participate in Practice Analysis/Content Validation Studies of NBEO exams. • Update and maintain the NBEO Item Writing Guidelines in collaboration with the Directors of Part I, II, III, ACMO and CPDO examinations. • Participate in equating exam forms along with psychometric consultants including selecting and implementing appropriate methods. • Ensure quality control of reported scores. • Conduct research and special analyses and contribute to the development of data interpretation materials and publications. • Assist in developing, designing, and documenting operational procedures and statistical guidelines. • Develop organizational position on statistical issues to professional associations and other agencies. • Represent organization’s position on statistical issues to NBEO staff, NBEO committees, professional associations, and other agencies. • Develops sufficient knowledge of statistical procedures, psychometric and statistical methods to position NBEO at the leading edge of psychometric research and best practice across healthcare professional organizations. • Applies sufficient knowledge of statistical procedures, psychometric and statistical methods to work independently on most aspects of statistical analysis while receiving instruction and guidance in other areas. • Communicate with candidates, educational program directors, instructors, and other NBEO stakeholders, as requested. • Prepare Board reports on exam scoring and other related areas. • Perform other tasks as requested by Executive Director. • Other duties may be assigned.

Qualifications Preferred (years of experience, education level etc.)
Qualifications • Education: Ph.D. in Psychometrics, Educational Measurement or Similar • Experience: At least five years of experience is desired. • Psychometric Skills Required: Knowledge of or experience in test equating methods,
IRT (specifically Rasch modeling), classical test theory and testlets. • Additional Psychometric Skills Desired: Knowledge of or experience in test development, best practices in item-writing, exam blueprint development, survey development, and the field of licensure testing. Additional General Skills Required: Able to work collaboratively as part of a multi-disciplinary team, excellent written and oral communication skills, ability to handle complex tasks, strong organizational skills, ability to balance multiple competing priorities and maintain a high degree of responsiveness. We work to maintain the best possible environment for our employees, where people can learn and grow with the company. We strive to provide a collaborative, creative environment where each person feels encouraged to contribute to our processes, decisions, planning, and culture. To support the health and safety of NBEO employees and optometry candidates, NBEO requires employees to be fully vaccinated against COVID-19 or to have received an approved accommodation based on medical condition or sincerely held religious belief or practice.

How to Apply
Applicants should send their resume and cover letter to marla.doddo@optometry.org.

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**Job Title**
Associate Director of Psychometrics and Research

**FLSA Status (exempt, non-exempt)**
Exempt

**Position Status (full, part-time)**
Full-time, on-site

**Location (city, state)**
Charlotte

**Company Name + Description**
National Board of Examiners in Optometry (NBEO)

**Position Description**
The National Board of Examiners in Optometry (NBEO) is seeking an Associate Director of Psychometrics and Research to assist the organization. Founded in 1951, the National Board of Examiners in Optometry is an independent, non-governmental, non-profit whose examinations are universally accepted for optometric licensure in the United States and internationally. NBEO’s mission is to serve the public and the profession of Optometry by developing, administering, scoring, and reporting results of valid examinations that assess competence. NBEO has a full-time staff of 18 and utilizes over 100 optometrists as subject matter experts nationwide in support of its examination programs. NBEO is one of the few national boards in any profession with a repertoire of exams that include computer-based tests, an advanced competence exam, and clinical skills test using standardized patients at the National Center of Clinical Testing in Optometry. We work to maintain the best possible environment for our employees, where people can learn and grow with the company. We strive to provide a collaborative, creative environment where each person feels encouraged to contribute to our processes, decisions, planning and culture. This role is a full-time, onsite position based in Charlotte, NC.

**Essential Job Functions**
Reporting to the Executive Director, the Associate Director of Psychometrics and Research is responsible for providing statistical analysis and interpretation of results as it applies to the organization’s focus of developing, administering, and scoring NBEO examinations. This will require leadership both internally and externally regarding issues of exam development, security, and reporting. Essential Duties and Responsibilities include the following. • Provide support regarding examination development to pertinent staff members. • Participate in all relevant Committee and Council meetings. • Provide presentations as needed for the NBEO Board of Directors. • Participate in research projects of examination validity along with psychometric consultants. • Provide direct support in the development of new exams or practice exams. • Participate in meetings as necessary with the Executive Director with external organizations such as state regulatory boards, statistical vendors, software vendors, legal team, ARBO, and ASCO. • Review all exam items to ensure the items meet NBEO item-writing guidelines. • Periodically, conduct item studies for each NBEO exam. • Participate in Practice Analysis/Content Validation Studies of NBEO exams. • Update and maintain the NBEO Item Writing Guidelines in collaboration with the Directors of Part I, II, III, ACMO and CPDO examinations. • Participate in equating exam forms along with psychometric consultants including selecting and implementing appropriate methods. • Ensure quality control of reported scores. • Perform and monitor statistical analysis required of date reporting and interpretation of results, which include data collection, equating, linking and scaling, and psychometrics analysis utilizing psychometric and statistical software. • Conduct research and special analyses and contribute to the development of data interpretation materials and publications. • Assist in developing, designing, and documenting operational procedures and statistical guidelines. • Develop organizational position on statistical issues to professional associations and other agencies. • Represent organization’s position on statistical
issues to NBEO staff, NBEO committees, professional associations, and other agencies. • Develops sufficient knowledge of statistical procedures, psychometric and statistical methods to position NBEO at the leading edge of psychometric research and best practice across healthcare professional organizations. • Applies sufficient knowledge of statistical procedures, psychometric and statistical methods to work independently on most aspects of statistical analysis while receiving instruction and guidance in other areas. • Communicate with candidates, educational program directors, instructors, and other NBEO stakeholders, as requested. • Prepare Board reports on exam scoring and other related areas. • Perform other tasks as requested by Executive Director. • Other duties may be assigned.

Qualifications Preferred (years of experience, education level etc.)
Qualifications • Education: Ph.D. in Psychometrics, Educational Measurement or Similar • Experience: At least five years of experience is desired. • Psychometric Skills Required: Knowledge of or experience in test equating methods, IRT (specifically Rasch modeling), classical test theory and testlets. • Additional Psychometric Skills Desired: Knowledge of or experience in test development, best practices in item-writing, exam blueprint development, survey development, and the field of licensure testing. Additional General Skills Required: Able to work collaboratively as part of a multi-disciplinary team, excellent written and oral communication skills, ability to handle complex tasks, strong organizational skills, ability to balance multiple competing priorities and maintain a high degree of responsiveness. We work to maintain the best possible environment for our employees, where people can learn and grow with the company. We strive to provide a collaborative, creative environment where each person feels encouraged to contribute to our processes, decisions, planning, and culture. To support the health and safety of NBEO employees and optometry candidates, NBEO requires employees to be fully vaccinated against COVID-19 or to have received an approved accommodation based on medical condition or sincerely held religious belief or practice.

How to Apply
https://app.trinethire.com/companies/34755-nbeo/jobs/63990-associate-director-of-psychometrics-and-research

EMPLOYMENT OPPORTUNITY WITH NCBE
POSTING DATE: 7/11/22

Job Title
Research Specialist - Diversity, Fairness, and Inc

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Full-time

Location (city, state)
Madison, WI (may work remotely)

Company Name + Description
The National Conference of Bar Examiners (NCBE) is a nonprofit organization that provides high-quality assessment products, services, and research for the benefit and protection of the public and the legal profession. We assist state courts and licensing authorities with fulfilling their responsibility to determine minimal competence for entry to the legal profession. Diversity, fairness, and inclusion are central to NCBE’s mission and to our vision for a competent, ethical, and diverse legal profession. NCBE provides an inclusive and family-friendly environment, flexible schedules, remote work options, and competitive salary and benefits. NCBE’s headquarters is located in Madison, Wisconsin, a vibrant community with excellent municipal services and educational opportunities.

Position Description
The Research Specialist will contribute to NCBE’s organization-wide efforts to ensure that diversity, fairness, and inclusion research is conducted to inform NCBE operations, test products, and services. This position will report to the Director of Diversity, Fairness, and Inclusion Research and will work closely with NCBE staff to help the organization develop and achieve diversity, inclusion, and fairness as strategic goals.

Essential Job Functions
- Support NCBE’s diversity and inclusion research efforts, which strive to enhance the participation and performance of historically marginalized groups with respect to legal education, bar passage, and bar admissions. - Conduct literature reviews and original research to support the responsibilities listed here, and/or to support work activities in collaboration with coworkers. - Assist with the design and conduct of studies supporting validity and fairness research. - Communicate NCBE’s commitment to diversity, inclusion, and fairness by contributing to publications, websites, educational conferences, video productions, and other communications. - Support work associated with the implementation of the next generation of the bar exam to help identify and address fairness and inclusion issues. - Engage in outreach efforts to all NCBE stakeholders, including jurisdiction admissions staff, boards, and courts, as well as the legal education community. - Work with NCBE staff and volunteers to actively support diversity, inclusion, and fairness in all aspects of NCBE’s work. - Carry out required administrative responsibilities and other duties as assigned. - Participate in professional conferences, such as AALS, ABAC, AERA, NCME, etc.

Qualifications Preferred (years of experience, education level etc.)
- Ph.D. in Education, Psychology, Sociology, or related field. - Demonstrated research and analysis skills, ideally in social science or educational research. - An awareness of and sensitivity to the needs and concerns of individuals from diverse cultures, backgrounds, and orientations. - A minimum of three years of professional experience successfully developing, implementing, and conducting qualitative research. - Research related to diversity and inclusion initiatives is preferred. - Excellent oral and written communication skills, including strong public speaking skills.

**How to Apply**

### EMPLOYMENT OPPORTUNITY WITH University of Michigan

**POSTING DATE:** 7/11/22

#### Job Title
Research Investigator

#### FLSA Status (exempt, non-exempt)
Exempt

#### Position Status (full, part-time)
Part-time

#### Location (city, state)
Ann Arbor, MI

#### Company Name + Description
University of Michigan - School of Education

#### Position Description
A researcher with expertise in psychometrics and mathematics education, specifically in educational measurement and instrument development. The research investigator will be responsible for the analysis of the data collected for the purposes of validating instruments that measure mathematical knowledge for teaching college algebra at community colleges. The investigator will participate in research meetings devoted to developing items, provide feedback to the content of the cognitive interviews, and collaborate on the analyses of the results of those interviews. The investigator will participate in meetings to discuss the interim and final results of the analysis and collaborate in the dissemination efforts associated with the validity of the instruments.

#### Essential Job Functions
- Conducting analysis of the quantitative and qualitative data collected for the purposes of validating instruments
- Assessing teacher knowledge in college algebra teaching
- Providing content and statistical feedback for items developed
- Providing protocols for cognitive interviews
- Providing documents reporting analysis results
- Preparing presentations about data collaborating in and leading paper writing and conference presentations

#### Qualifications Preferred (years of experience, education level etc.)
Ph.D. in educational measurement, quantitative methods, or a related field MA or equivalent in educational research
Demonstrated experience with measurement and instrument, including assessment and survey items development demonstrated experience working with Stata, Mplus, or R, and Qualtrics Knowledge in classical test theory, multidimensional item response theory, factor analysis, structural equation modeling, sampling methods, etc. attention to detail Excellent interpersonal, written and verbal language skills . Ability to work collaboratively Working knowledge of Zoom or other video conferencing tools.

**How to Apply**
[https://careers.umich.edu/job_detail/219878/research-investigator](https://careers.umich.edu/job_detail/219878/research-investigator)

### EMPLOYMENT OPPORTUNITY WITH ATLAS

**POSTING DATE:** 7/11/22

#### Job Title
Data Analyst

#### FLSA Status (exempt, non-exempt)
non-exempt
Position Status (full, part-time)
full time

Location (city, state)
Lawrence, KS; We will consider an exclusively remote staff person outside of the Lawrence, KS area for this position.

Company Name + Description
Accessible Teaching, Learning, and Assessment Systems (ATLAS) promotes learning and improved outcomes for all students. We create technology-based learning and assessment systems that are accessible and academically rigorous. Our center serves all students, including students with disabilities and struggling learners, as well as their educators. We specialize in map-based learning systems that are informed by research on skill development, assessment design, and teacher professional development. Our grant-funded research includes writing instruction, science professional development, support for teacher trainers, and science assessment design. We also foster partnerships with diverse organizations that share our focus and commitment to quality learning experiences for all students. Our center develops and delivers state assessments. The Dynamic Learning Maps® (DLM®) Alternate Assessment System assesses students with the most significant cognitive disabilities in English language arts, mathematics, and science. We also offer custom social studies alternate assessments. Our broader state assessments include the Kansas Assessment Program, the Career Pathways Assessment System, and the Kansas English Language Proficiency Assessment. KU offers great benefits to employees with up to 176 hours of paid vacation per year, 72 hours of sick leave earned per year, nine paid holidays plus one discretionary day, a retirement program, medical & dental insurance, life and disability insurance, other benefit plan options and State of Kansas discounts offered by various vendors. KU also offers employees educational and professional development opportunities. KU is a great place to work! See benefits.ku.edu for more details.

Position Description
ATLAS is seeking a Data Analyst to contribute to data analysis and dissemination across multiple projects. The Data Analyst will collaborate closely with senior staff to conduct quantitative data analyses and summarize findings in tables and graphics. Responsibilities include applying programming expertise to write efficient, reusable, and easily maintainable code to access, analyze and report descriptive statistics and results. Critical to the role is the ability to communicate effectively, work collaboratively with colleagues and be responsive to project needs. The Data Analyst will work on complex assignments and show independence in management of workload and production of quality output. The successful candidate has a proven ability for attention to detail and to independently manage multiple tasks and projects with competing priorities and deadlines. This is a full time, 40 hours per week position. Our staff is predominantly working remotely at this time but may work on-site as needed or desired. We will consider an exclusively remote staff person outside of the Lawrence, KS area for this position.

Essential Job Functions
40% - Data Management. Duties include developing and maintaining databases, merging data from different datasets, and performing quality control checks on data. 40% - Conduct quantitative data analyses. Duties include conducting descriptive and inferential analyses including parametric and non-parametric analyses. 15% - Summarize findings for dissemination to a range of audiences. Duties include preparing data tables and graphics, and contributing to technical reports, manuscripts, presentations, and practitioner-oriented products for a variety of projects. 5% - Other duties as assigned.

Qualifications Preferred (years of experience, education level etc.)
Master’s degree in a quantitative, social science, or related field, OR Bachelor’s degree and 3 years’ experience conducting quantitative analyses in an academic or professional setting. Experience merging and managing large data sets, as evidenced in application materials and interview. Knowledge of non-parametric and parametric quantitative methods, as evidenced in application materials and interview. Experience analyzing quantitative data using R, SPSS, SAS or similar software, as evidenced in application materials and interview. Experience preparing tables and charts/graphics displaying analysis results, as evidenced in application materials and interview. Excellent attention to detail in written work as evidenced by application materials.

How to Apply
For complete description and to apply, go to: https://employment.ku.edu/data-analyst/22578br. Review of applications will begin 07/11/2022.
Reporting to the Executive Director, the Associate Director of Psychometrics and Research is responsible for providing statistical analysis and interpretation of results as it applies to the organization’s focus of developing, administering, and scoring NBEO examinations. This will require leadership both internally and externally regarding issues of exam development, security, and reporting.

Essential Job Functions
Essential Duties and Responsibilities include the following. • Provide support regarding examination development to pertinent staff members. • Participate in all relevant Committee and Council meetings. • Provide presentations as needed for the NBEO Board of Directors. • Participate in research projects of examination validity along with psychometric consultants. • Provide direct support in the development of new exams or practice exams. • Participate in meetings as necessary with the Executive Director with external organizations such as state regulatory boards, statistical vendors, software vendors, legal team, ARBO, and ASCO. • Review all exam items to ensure the items meet NBEO item-writing guidelines. • Periodically, conduct item studies for each NBEO exam. • Participate in Practice Analysis/Content Validation Studies of NBEO exams. • Update and maintain the NBEO Item Writing Guidelines in collaboration with the Directors of Part I, II, III, ACMO and CPDO examinations. • Participate in equating exam forms along with psychometric consultants including selecting and implementing appropriate methods. • Ensure quality control of reported scores. • Perform and monitor statistical analysis required of data reporting and interpretation of results, which include data collection, equating, linking and scaling, and psychometrics analysis utilizing psychometric and statistical software. • Conduct research and special analyses and contribute to the development of data interpretation materials and publications. • Assist in developing, designing, and documenting operational procedures and statistical guidelines. • Develop organizational position on statistical issues to professional associations and other agencies. • Represent organization’s position on statistical issues to NBEO staff, NBEO committees, professional associations, and other agencies. • Develops sufficient knowledge of statistical procedures, psychometric and statistical methods to position NBEO at the leading edge of psychometric research and best practice across healthcare professional organizations. • Applies sufficient knowledge of statistical procedures, psychometric and statistical methods to work independently on most aspects of statistical analysis while receiving instruction and guidance in other areas. • Communicate with candidates, educational program directors, instructors, and other NBEO stakeholders, as requested. • Prepare Board reports on exam scoring and other related areas. • Perform other tasks as requested by Executive Director. • Other duties may be assigned.

Qualifications Preferred (years of experience, education level etc.)
Qualifications • Education: Ph.D. in Psychometrics, Educational Measurement or Similar • Experience: At least five years of experience is desired. • Psychometric Skills Required: Knowledge of or experience in test equating methods, IRT (specifically Rasch modeling), classical test theory and testlets. • Additional Psychometric Skills Desired: Knowledge of or experience in test development, best practices in item-writing, exam blueprint development, survey development, and the field of licensure testing.

How to Apply
marla.doddo@optometry.org or https://app.trinethire.com/companies/34755-nbeo/jobs/63990-associate-director-of-psychometrics-and-research
Essential Job Functions
How Will You Make a Difference? You will... Work with senior psychometric staff, conduct routine psychometric analyses on all NCCPA examination programs IRT calibrations Scaling and equating projects Item analysis and key validation Standard settings Item bank analyses Test form construction Evaluate the analyses and documentation completed by internal psychometric staff. Provide input, as needed, to the development of short and long-term schedule of psychometric activities. Conduct psychometric quality assurance processes on exam related data queries and reports for NCCPA. Assist senior psychometric staff in efforts to improve NCCPA's exam products through innovative assessment methodology Keep abreast on latest trends and relevant research in certification and licensure testing. Assist in the NCCA accreditation process by supplying data as required. Work with the IT and Quality Assurance departments to explain psychometric principles to aid in developing software and conducting quality assurance processes. Represent NCCPA on assessment and psychometric and research issues with internal and external constituents. Conduct presentations at psychometric and exam related conferences Facilitate standard setting, key validation, and other exam related meetings Serve as an active member on cross departmental teams as needed.

Qualifications Preferred (years of experience, education level etc.)
Hard Skills You Will Have PhD in Psychometrics, Quantitative Psychology or Educational Psychology, Measurement and Evaluation. Knowledge of diverse psychometric models including Classical Test Theory, Item Response Theory, Equating models, etc. Knowledge of psychometric tools, their capabilities and limitations Proficiency in R programming language Demonstrated ability to run and evaluate item and test analysis software Demonstrated ability to analyze, interpret, communicate and apply results of psychometric analyses and studies to technical and non-technical personnel. Soft Skills You Will Bring Your proven ability to work as a self-motivated individual as well as a collaborating team member. Your ability to conduct presentations on technical testing issues to a wide range of audiences Your highly developed time management and organizational skills. Your proven communication and relationship building skills with a proficiency in diplomacy. Your proven ability to manage competing priorities and accomplishing tasks within the agreed upon timeframe. Extra Skills You Can Bring Along Knowledge of development of user interfaces for interactive applications in RShiny preferred. Knowledge of data science methodologies (e.g. data visualization, machine learning, natural language processing)

How to Apply
https://nccpa.applytojob.com/apply/TGuTNBk1aL/Psychometrician-I

EMPLOYMENT OPPORTUNITY WITH NWEA
POSTING DATE: 6/27/22

Job Title
Research Scientist 1

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Full-time

Location (city, state)
Remote (Anywhere in the United States)

Company Name + Description
NWEA NWEA® is a research-based, not-for-profit organization that supports students and educators worldwide by creating assessment solutions that precisely measure growth and proficiency—and provide timely data to help tailor instruction. For more than 40 years, NWEA has developed innovative pre-K–12 assessments, including our flagship interim assessment, MAP® Growth™; our progress monitoring and skills mastery tool, MAP® Skills™; and our reading fluency and comprehension assessment, MAP® Reading Fluency™. Educators trust our professional learning offerings to accelerate student learning and our research to support assessment validity and data interpretation. More than 11 million students in 146 countries use our solutions to support their learning and growth each year. NWEA strives to make diversity, equity, inclusion, and accessibility (DEIA) practices the center of our work. Our organization’s mission, Partnering to Help All Kids Learn, is the foundation for our DEIA commitment as we work to reflect, value, and support the educators, students, colleagues, and communities we serve. We seek to empower and engage all stakeholders in the research, services, solutions, and products we provide, our organizational culture, and the partnerships we establish with schools, districts, states, and countries. NWEA endeavors to make www.nwea.org accessible to all users. If you would like to contact us regarding the accessibility of our website or need assistance completing the application process, please call us at (503) 624-1951 or e-mail us at onlineaccommodations@nwea.org and let us know the nature of your request, your location and your contact information. This is for accommodation requests only and cannot be used to inquire about the status of applications. NWEA is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. For our EEO Policy Statement, please visit our website. If you’d like more information on your EEO rights under the law, please visit the EEOC website

Position Description
As a Research Scientist 1, you will conduct operational psychometric research under the supervision of senior-level research scientists and/or psychometric managers and carry out individual research to establish an academic publishing record. Your work requires in-depth knowledge of measurement theory, test scaling, item response theory, contemporary validity theory, and experience with a variety of assessment types. You should enjoy working collaboratively with a diverse team of experts and be effective at writing proposals, communicating with internal audiences, and presenting research findings and results from psychometric studies.

**Essential Job Functions**
Responsibilities Conduct statistical and psychometric analyses (e.g., linking, equating, calibration, differential item functioning, reliability, classical item analyses) based on standard operating procedures Use statistical and psychometric software (e.g., Scikit Learn, Winsteps, flexMIRT) and write code in Python, R, and/or SAS to implement operational procedures and conduct research Write and maintain documentations to standardize the operating procedures Manage large datasets using database servers or cloud database services Work collaboratively with other experts from across NWEA, including education research, marketing, product management, and software engineering Communicate complex statistical and psychometric information in a clear and understandable way Conduct individual research projects to establish an academic publishing record and present at professional conferences

**Qualifications Preferred (years of experience, education level etc.)**
Education and Experience PhD in psychometrics, education research, quantitative psychology, statistics, or related field 0–3 years of work experience after obtaining a doctoral degree Proficiency with the fundamentals of measurement including item response theory and classical test theory Experience with an area of focus such as machine learning, artificial intelligence, linking and equating, generalizability theory, cognitive diagnosis models, hierarchical linear modeling, or structural equation modeling Experience using psychometric software such as WINSTEPS and flexMIRT Skilled at statistical analysis using Python (preferred), R, or SAS

**Competencies**
Communicates Effectively: Developing and delivering multi-mode communications that convey a clear understanding of the unique needs of different audiences Customer Focus: Building strong customer relationships and delivering customer-centric solutions Drives Results: Consistently achieving results, even under tough circumstances Instills Trust: Gaining the confidence and trust of others through honesty, integrity, and authenticity Collaborates: Building partnerships and working collaboratively with others to meet shared objectives Action Oriented: Taking on new opportunities and tough challenges with a sense of urgency, high energy, and enthusiasm Ensures Accountability: Holding self and others accountable to meet commitments Optimizes Work Processes: Knowing the most effective and efficient processes to get things done, with a focus on continuous improvement Manages Complexity: Making sense of complex, high quantity, and sometimes contradictory information to effectively solve problems Manages Ambiguity: Operating effectively, even when things are not certain, or the way forward is not clear Self-Development: Actively seeking new ways to grow using both formal and informal development channels Values Differences: Recognizing the value that different perspectives and cultures bring to an organization

**How to Apply**
https://jobs.jobvite.com/nwea/job/oi1mjfwI?__jvst=CareerSite&__jvsd=nwea&__jvsc=Email

**EMPLOYMENT OPPORTUNITY WITH GMAC**
**POSTING DATE:** 6/15/22

**Job Title**
Associate Manager, Survey Research

**FLSA Status (exempt, non-exempt)**
Exempt

**Position Status (full, part-time)**
Full-time

**Location (city, state)**
Reston, VA

**Company Name + Description**
Graduate Management Admissions Council

**Position Description**
The Associate Manager of Survey Research will join the Research & Data Science team at GMAC to lead multiple survey programs to understand the needs of graduate management education candidates, recruiters, and programs.

**Essential Job Functions**
Key Responsibilities: - Help establish the goals and methodologies of projects. - Assist the design of survey instruments. - Programming of survey instruments in survey software such as Qualtrics. - Manage survey research projects with a research operation manager - Identify and compile lists of potential research subjects in accordance with study objectives and parameters. - Track research participants and perform any necessary follow-up tasks. - Provide research participant customer service, including recruitment, troubleshooting, and technical assistance. - Review and edit data to ensure completeness and accuracy of information; follow up with subjects to resolve
Qualifications Preferred (years of experience, education level etc.)
Minimum Requirements: - Bachelor’s Degree; Or equivalent combination of education, skills, and experience. - 3 years’ research experience. - Adaptable to changes in demands. - Proficiency with MS Office (Strong Excel and PowerPoint). - Proficiency with Statistical software such as SPSS, R, Stata. - Proficiency with survey software such as Qualtrics. - Excellent organizational, project planning, presentation and time management skills with careful attention to detail. - Ability to manage daily operations of the function and prioritize work without direction. - Ability to work independently with minimal supervision and in a team setting, and across external and internal stakeholder groups. - Strong analytical and multitasking capabilities. Desired skills/experience: - Training or experience in statistics and survey methodologies. - Superior analytical and quantitative skills. - Excellent oral, written, and interpersonal communication skills. - Ability to work effectively in a dynamic environment both independently and in a team setting. - Ability to maintain effective working relationships with co-workers. - Proficiency with Power BI. - Proficiency with R and/or Python.

EMPLOYMENT OPPORTUNITY WITH US AIRFORCE
POSTING DATE: 6/15/22

Job Title
Senior Psychologist/Technical Advisor

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Full-Time

Location (city, state)
San Antonio, TX

Company Name + Description
U.S. Air Force

Position Description
The U.S. Air Force is seeking a Senior Psychologist/Technical Advisor with expertise in psychometrics to lead analyses for the Air Force promotion testing program. Compensation: $95,339 - $123,939 Qualifications: PhD with background in I-O psychology, Psychometrics, or Educational Measurement. Successful candidates will have extensive experience in test development, ability to analyze large datasets using the latest techniques and analyses, and ability to lead a program of research with Air Force-wide scope and responsibility. The U.S. Air Force is seeking a Senior Psychologist/Technical Advisor with expertise in psychometrics to lead analyses for the Air Force promotion testing program. Compensation: $95,339 - $123,939 Qualifications: PhD with background in I-O psychology, Psychometrics, or Educational Measurement. Successful candidates will have extensive experience in test development, ability to analyze large datasets using the latest techniques and analyses, and ability to lead a program of research with Air Force-wide scope and responsibility.

Essential Job Functions
Psychometric analysis, technical report writing, survey research

Qualifications Preferred (years of experience, education level etc.)
Psychometrics background, R or Python, PhD preferred

How to Apply
The job is listed as Senior Psychologist-Technical Advisor on LinkedIn jobs https://lnkd.in/dEMvF_Qx