EMPLOYMENT OPPORTUNITY WITH CURRICULUM ASSOCIATES
POSTING DATE: 11/21/21

Job Title
Senior Research Scientist - Psychometrics

FLSA Status (exempt, non-exempt)
Exempt

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

Location (city, state)
Remote - US

Company Name + Description
Curriculum Associates (A growing EdTech company serving more than 10-million customers nationwide. Come make an impact on education that lasts a lifetime!

Position Description
In this role at Curriculum Associates, you'll support products that are designed to improve student outcomes in reading and mathematics, especially for students who are historically underserved. We believe a diverse team leads to diversity in thinking, making our products better for teachers and students. If you read this job description, feel energized by what you see here, and believe you could bring passion and commitment to the role, but you aren't sure you meet every qualification, please apply! Above all, we are looking for the right person! Curriculum Associates is a rapidly growing educational technology and publishing company committed to making classrooms better places for teachers and students. We are seeking a talented measurement professional to join our remote psychometric team at the Senior Psychometrician level. We are looking for someone to support educators, districts, and states with the implementation of balanced assessment systems using the i-Ready suite of assessments. This includes the i-Ready Diagnostic (a large-scale, K–12 computer-adaptive assessment in Reading and Math) as well as the i-Ready Early Literacy Assessments for students in grades K–6. Our assessments provide valuable feedback to teachers and students and are primarily used to place students into individualized instructional paths.   Job Description: We are looking for someone who is excited about solving real world technical challenges involved in operational assessment products as well as designing research to support innovation in the next generation of assessments. In this role you will conduct operational psychometric analyses in support of the suite of i-Ready assessments (including efforts such as field testing, item calibration, and conducting reliability and validity analyses) and implement the research necessary to integrate data from different measurement opportunities. This position will provide the opportunity to support a research agenda providing psychometric solutions that will drive decision making around enhancements to the next generation i-Ready assessment programs. In your role, you will work closely with a set of leading experts in the field, consultants, and TAC members.   This opportunity is right for you if: You are passionate about K–12 education and want to make a positive impact for students and teachers You are obsessed with data quality and data integrity You want to work with formative and interim assessments to support students and teachers making data-based decisions You are a self-directed worker who thrives in a remote working environment You think assessment and instruction should be designed to function as a coherent system   What we're looking for: Ph.D. in Educational Measurement, Psychometrics, Educational Psychology, Quantitative Psychology, or related field Experience leading operational psychometric work for large scale K–12 assessment programs Detailed knowledge of key state and national policies on educational assessment A strong foundation in computer adaptive testing (CAT), item response theory (IRT) and classical test theory (CTT) methods Experience using SAS or R to manipulate, clean, and maintain large, complex datasets Proficiency with industry standard measurement software (e.g., Winsteps, FlexMIRT) Experience designing and conducting empirical research studies Ability to work in a fast-paced environment and adapt to changing priorities as product needs shift or critical customer issues arise We'd also love to see, though not required: Experience conducting psychometric research with early literacy assessment or individually administered tests Detailed knowledge of NCII's technical submission requirements for Academic Screening and Academic Progress Monitoring tool charts Experience using SQL to query large databases Travel Requirements: Less than 10% of total time including attendance at team meetings, TAC meetings, planning meetings, and conferences. Location: Curriculum Associates is a socially responsible, rapidly growing educational company headquartered northwest of Boston, MA. This is a remote position which will work collaboratively with a team of other researchers, most of whom are also working remotely.

Essential Job Functions
What we're looking for: Ph.D. in Educational Measurement, Psychometrics, Educational Psychology, Quantitative Psychology, or related field Experience leading operational psychometric work for large scale K–12 assessment programs Detailed knowledge of key state and national policies on educational assessment A strong foundation in computer adaptive testing (CAT), item response theory (IRT) and classical test theory (CTT) methods Experience using SAS or R to manipulate, clean, and maintain large, complex datasets Proficiency with industry standard measurement software (e.g., Winsteps, FlexMIRT) Experience designing and conducting empirical research studies Ability to work in a fast-paced environment and adapt to changing priorities

as product needs shift or critical customer issues arise We'd also love to see, though not required: Experience conducting psychometric research with early literacy assessment or individually administered tests Detailed knowledge of NCII's technical submission requirements for Academic Screening and Academic Progress Monitoring tool charts Experience using SQL to query large databases

---

Qualifications Preferred (years of experience, education level etc.)
Ph.D. in Educational Measurement, Psychometrics, Educational Psychology, Quantitative Psychology, or related field Experience leading operational psychometric work for large scale K–12 assessment programs

---

How to Apply
https://jobs.jobvite.com/careers/curriculumassociates/job/of7Dhfw0?__jvst=Job%20Board&__jvsd=NCME

EMPLOYMENT OPPORTUNITY WITH NURSING COMMUNITY ASSESSMENT SERVICE
POSTING DATE: 11/21/21

Job Title
Manager of Assessment & Psychometrics

FLSA Status (exempt, non-exempt)
exempt

Position Status (full, part-time)
Full time

Location (city, state)
Vancouver, British Columbia, Canada

Company Name + Description
The Nursing Community Assessment Service (NCAS) is part of the BC College of Nurses and Midwives. BCCNM is empowered under the Health Professions Act to regulate the practice of all licensed practical nurses, nurse practitioners, registered midwives, registered nurses, and registered psychiatric nurses in British Columbia. Regulation helps to protect the public by ensuring that professional care or service received by the public is competent, ethical, and meets the standards that society views as acceptable. NCAS operates as a unique and independent unit within BCCNM. BCCNM launched NCAS in January 2017 to assess the competencies of professionals seeking to enter nursing practice in BC and other parts of Canada. NCAS is a testing service that regulators rely upon to determine if an individual is safe to enter practice. Our high-stakes assessment is comprised of a computer-based test that is administered at testing sites all over the world, as well as a simulation-lab and oral assessment that are delivered in Vancouver and Halifax. The NCAS assessment represents a consistent, rigorous, and defensible approach for determining the extent to which individuals possess the competencies required to enter practice safely. At BCCNM, we value and celebrate diversity. We are committed to fostering an open, welcoming, and inclusive work environment where we value and respect all perspectives. We aspire to employ staff who are representative of the diverse B.C. communities we serve. We hire based on merit and encourage qualified applicants of all backgrounds to apply

---

Position Description
Reporting to the Director of Assessment, Innovation, and Operations, the Manager of Assessments and Psychometrics divides their time between three principal accountabilities: providing psychometric and data management expertise to support the delivery of existing assessments; leading the development of new assessment tools; and, creating and/or evolving the dataflow pipelines to optimize data integrity and organization. The manager establishes the scoring methodologies and design of assessment instruments for the production of results and analysis of item and test functioning. The Manager provides oversight to assessment development staff while also playing a critical role in designing and ensuring the quality of data management pipelines.

Essential Job Functions
- In consultation with the Director of Assessment, Innovation, and Operations (Dir, AIO), manage the development, implementation and assessment of the tools and processes for the assessment of health care competencies.
- Lead the development, refinement, and analysis of performance-based and selected-response instruments, including pilot and field testing, standard setting, and validation activities needed for the assessment of health care competencies.
- Provide oversight to assessment development staff including an Exam Developer and Junior Psychometrician.
- Create and/or refine, manage, and troubleshoot data flow pipelines (in R and SQL) that enable assessment scoring and reporting.
- Generate performance reports, with associated quality checks (include importing data via Scantron, Excel, XML, and SQL in R)
- Identify risks and offer recommendations as appropriate
- Interface with multiple stakeholders and technology providers to ensure accurate and seamless data flows.
- Collaborate with Director, AIO to understand the purpose of each new assessment in order to define required content and outcomes.

- Create and implement quality-control procedures for assessment delivery, including rater scoring.
- Develop, implement, and evaluate standard-setting and product-improvement processes, including the facilitation of discussions with subject matter experts and stakeholders.
- Provide regular psychometric consulting, problem-solving and innovation in support of assessment operations and new assessment builds, including item analysis, forms construction and equating, reliability and validity analyses, etc.
- Work closely with the Exam Developer to create and launch training for content writers and certification tools for raters, and to conduct analysis in support of content development.
- Draft public and technical reports, as well as documentation on the validity and reliability of the assessments.
- Identify and carrying out independent research in support of assessment activities.
- Present research findings, representing the organization and sharing innovations at professional conferences and/or through publication of research articles
- Foster and maintain an organizational culture that promotes mutual respect, teamwork, and service excellence.

Qualifications Preferred (years of experience, education level etc.)
- Minimum Masters (Ph.D. preferred) in Measurement and Evaluation, Data Science, Psychology, Statistics, or educational equivalent in a closely related field.
- At least five years of experience in an applied measurement or data science environment.
- At least five years in designing and conducting statistical and/or psychometric analyses.
- Expertise in a variety of psychometric models (e.g., classical test theory, generalizability theory, factor analysis, item response theory, differential item functioning, dimensionality analysis, interrater reliability analysis).
- Expertise in assessment, statistical, and database software (RStudio and R Markdown (required), and other programming languages an asset; Microsoft SQL Server Management Studio, XML file processing, SQLite, Remark OMR, Qualtrics, Excel) and the ability to write user- defined R functions.
- Familiarity with professional assessment standards (e.g., INACSL, AERA/APA/NCME Standards)
- Experience managing testing programs with small volumes is preferred
- Experience managing staff is preferred
- Strong project management background, preferably in technical education, certification, or credentialing services. Aptitude to quickly come up to speed on new concepts.
- Exceptional research and writing skills.
- Demonstrated initiative-taker, with strong organizational skills and the ability to meet deadlines.
- Demonstrated ability to prepare analytic plans, monitor progress, and track timelines.
- Highly collaborative, with strong interpersonal skills to work with various stakeholders in the assessment development and reporting process.
- Ability to work independently and collaboratively within a team.
- Demonstrated ability to prepare effective visual presentations of complex data.
- Bilingualism in French and English is an asset
- Ability to thrive and take initiative in an environment of ambiguity and change.
- Displays a passion for doing meaningful work
- Utilizes available networks and resources to stay current in the field of competency assessment
- Demonstrated understanding of diversity, inclusion, and cultural humility as they apply to nursing and midwifery practice and health care is an asset.

How to Apply
We offer accommodation for applicants with disabilities to take part in the selection process. If we contact you about an interview or testing, please let us know if you require accommodation. We keep all information in relation to accommodation confidential. Please forward your resume and cover letter, to careers@bccnm.ca. Please use "Manager of Assessment & Psychometrics" as the subject line of your email. We will accept applications until the position is filled. Note: References, education and professional credential verifications, and a criminal record check will be required for all final candidates.

EMPLOYMENT OPPORTUNITY WITH CURRICULUM ASSOCIATES
POSTING DATE: 11/18/21

Job Title
Senior Research Scientist

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Full Time

Location (city, state)
Remote

Company Name + Description

Curriculum Associates - Curriculum Associates is a rapidly growing educational technology and publishing company committed to making classrooms better places for teachers and students.

Position Description

In this role at Curriculum Associates, you'll support products that are designed to improve student outcomes in reading and mathematics, especially for students who are historically underserved. We believe a diverse team leads to diversity in thinking, making our products better for teachers and students. If you read this job description, feel energized by what you see here, and believe you could bring passion and commitment to the role, but you aren't sure you meet every qualification, please apply! Above all, we are looking for the right person! Curriculum Associates is a rapidly growing educational technology and publishing company committed to making classrooms better places for teachers and students. We are seeking a talented measurement professional to join our remote psychometric team at the Senior Psychometrician level. We are looking for someone to support educators, districts, and states with the implementation of balanced assessment systems using the i-Ready suite of assessments. This includes the i-Ready Diagnostic (a large-scale, K–12 computer-adaptive assessment in Reading and Math) as well as the i-Ready Early Literacy Assessments for students in grades K–6. Our assessments provide valuable feedback to teachers and students and are primarily used to place students into individualized instructional paths.

Job Description: We are looking for someone who is excited about solving real world technical challenges involved in operational assessment products as well as designing research to support innovation in the next generation of assessments. In this role you will conduct operational psychometric analyses in support of the suite of i-Ready assessments (including efforts such as field testing, item calibration, and conducting reliability and validity analyses) and implement the research necessary to integrate data from different measurement opportunities. This position will provide the opportunity to support a research agenda providing psychometric solutions that will drive decision making around enhancements to the next generation i-Ready assessment programs. In your role, you will work closely with a set of leading experts in the field, consultants, and TAC members.

This opportunity is right for you if: You are passionate about K–12 education and want to make a positive impact for students and teachers You are obsessed with data quality and data integrity You want to work with formative and interim assessments to support students and teachers making data-based decisions You are a self-directed worker who thrives in a remote working environment You think assessment and instruction should be designed to function as a coherent system

What we're looking for:
- Ph.D. in Educational Measurement, Psychometrics, Educational Psychology, Quantitative Psychology, or related field
- Experience leading operational psychometric work for large scale K–12 assessment programs
- Detailed knowledge of key state and national policies on educational assessment
- A strong foundation in computer adaptive testing (CAT), item response theory (IRT) and classical test theory (CTT) methods
- Experience using SAS or R to manipulate, clean, and maintain large, complex datasets Proficiency with industry standard measurement software (e.g., Winsteps, FlexMIRT)
- Experience designing and conducting empirical research studies
- Ability to work in a fast-paced environment and adapt to changing priorities as product needs shift or critical customer issues arise

We'd also love to see, though not required:
- Experience conducting psychometric research with early literacy assessment or individually administered tests
- Detailed knowledge of NCII's technical submission requirements for
- Academic Screening and Academic Progress Monitoring tool charts
- Experience using SQL to query large databases

Travel Requirements: Less than 10% of total time including attendance at team meetings, TAC meetings, planning meetings, and conferences.

Location: Curriculum Associates is a socially responsible, rapidly growing educational company headquartered northwest of Boston, MA. This is a remote position which will work collaboratively with a team of other researchers, most of whom are also working remotely.

Essential Job Functions

We are looking for someone who is excited about solving real world technical challenges involved in operational assessment products as well as designing research to support innovation in the next generation of assessments. In this role you will conduct operational psychometric analyses in support of the suite of i-Ready assessments (including efforts such as field testing, item calibration, and conducting reliability and validity analyses) and implement the research necessary to integrate data from different measurement opportunities. This position will provide the opportunity to support a research agenda providing psychometric solutions that will drive decision making around enhancements to the next generation i-Ready assessment programs. In your role, you will work closely with a set of leading experts in the field, consultants, and TAC members.

Qualifications Preferred (years of experience, education level etc.)

Ph.D. in Educational Measurement, Psychometrics, Educational Psychology, Quantitative Psychology, or related field

---

How to Apply

https://app.jobvite.com/j?cj=of7Dhfw0&s=NCME

EMPLOYMENT OPPORTUNITY WITH [MASSACHUSETTS INSTITUTE OF TECHNOLOGY](#)
POSTING DATE: 11/16/21

Job Title
Assessment Scientist

FLSA Status (exempt, non-exempt)
exempt

Position Status (full, part-time)
Full time

Location (city, state)
Cambridge, MA

Company Name + Description
Massachusetts Institute of Technology, Scheller Teacher Education Program | The Education Arcade focus on creating playful, powerful learning experiences using the affordances of new technologies. We leverage design-based research to study and develop solutions to pervasive challenges in teaching and learning.

Position Description
ASSESSMENT SCIENTIST, Comparative Media Studies/Writing-MIT Scheller Teacher Education Program (MIT-STEP) (full time), design cutting edge authentic assessments for high school project based learning math curricula and study how these help educators and students understand what learning is taking place. Responsibilities include using an activity theory lens to design assessments for project based learning math courses both in tandem with curriculum design and for already designed lessons; Leading and supporting studies using mixed methodology for design-based research; Coordinating with partner schools and institutions; Adapting and creating research instruments; Working with a design collaborative of researchers, educators, students and designers to create authentic assessments both formative and summative learning. Publish articles/reports for scholarly and practitioner communities. MIT-STEP is a leader in designing for and integrating educational technology into K-12 classrooms. Job

---

Essential Job Functions
The Project Based Learning (PBL) team in the STEP lab is seeking to add an assessment scientist to join our group. The assessment scientist will work closely with the curriculum team to create playful, student centered, authentic assessments for a PBL high school math curriculum. Duties include: design, development, and validation of authentic assessments both formative and summative, along with research and dissemination. This individual must work well on a collaborative team, and do well with ambiguity. Be a creative playful designer ready to make innovative authentic assessment experiences for middle and high school students.

Qualifications Preferred (years of experience, education level etc.)
REQUIRED: earned doctorate Assessment Design, Psychometrics, Learning Analytics, Educational Data Mining, Learning Sciences, Instructional Design, Cognitive Psychology or related area. Expertise in assessment design with a focus on open ended projects for middle to high school; expertise in mixed methods with a focus on design-based research; experience designing and executing playful authentic assessments; knowledge and experience with project based learning at the high school level; experience in research design; interest in advancing excellence and equity in education through improving classroom learning; excellent communication and technical skills; and ability to work independently and contribute to an interdisciplinary team.

PREFERRED: at least five years' assessment design experience, experience as an educator in formal or informal education with the middle or high school youth, knowledge of and experience with high school math; experience with data visualizations and data analytics; ability to work well on an ever evolving project. When safe some U.S. travel required.

This is a temporary, on sight, 12-month position with the possibility of renewal depending upon funding.

How to Apply
https://careers.peopleclick.com/careerscp/client_mit/external/jobDetails/jobDetail.html?jobPostId=22112&localeCode=en-us&fbclid=IwAR1qzn7WH4pyj7TVnHdk01wud_I5peN91RXPyiIMy7q1jDLM2TbtAazQUZk

EMPLOYMENT OPPORTUNITY WITH [(ISC)2](#)
POSTING DATE: 11/10/21

Job Title
Psychometrician

FLSA Status (exempt, non-exempt)
Exempt

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

Location (city, state)
Remote - US

Company Name + Description
(ISC)² ® is the world's largest nonprofit membership association of certified cybersecurity professionals. We're committed to helping our members learn, grow and thrive by providing world-class cybersecurity qualifications, professional development and engagement opportunities that inspire a safe and secure cyber world. With more than 160,000 certified members, we empower professionals who touch every aspect of information security.

Position Description
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 analysis; the planning and execution of item development workshops; supporting exam security investigations; enforcing program policies and procedures and complying with accreditation requirements for (ISC)² certification programs.

Essential Job Functions
Monitor, maintain and improve exam form/pool psychometric performance Monitor, maintain candidate performance (by certification) Support the maintenance and compliance with (ISC)² program psychometric-related policies and procedures Support construction, analysis and interpretation of (ISC)² program psychometric-related reports Support maintenance of current and correct psychometric information on all ISC2 internal and external facing communications assets Support planning, implementing, and executing exam development workshops in support of new credential creation, existing credentialing management and maintenance. Support information needs with accrediting agencies (ACE, ANSI, IAS) for yearly audits. Support on-going psychometric compliance with ISO 17024. Serve as workshop manager and facilitator for (ISC)² JTA and Standard Setting workshops. Direct testing vendors to perform analysis and quality control procedures for exam forms/pools. Support maintenance of departmental Exam Development, Exam Administration and Exam Security policies and procedures that are psychometrically related. Managing candidate comments and feedback regarding psychometrics. Support exam adaptation projects Support item bank administration, maintenance, and reporting. Oversee examination results reporting process. Ensure that all examinations are psychometrically sound and defensible. Miscellaneous duties as assigned.

Qualifications Preferred (years of experience, education level etc.)
A graduate degree from an accredited university in Psychometrics or related field is required. A minimum of 9 years of operational psychometric experience is required. Operational experience with Classical Test Theory and Item Response Theory. Operational experience with fixed-form linear and Variable-length Computerized Adaptive Examinations. Familiarity with accreditation requirements as required by ISO 17024 Excellent interpersonal skills and experience to communicate with a highly diverse and international client base. Exceptional interpersonal, networking, and stakeholder management skills with emphasis on verbal communication and interfacing with a diverse array of people Strong computer and technical skills including MS Office Suite (Word, Excel, PowerPoint), internet, and web applications Experienced user of SPSS and R statistical software, including other statistical packages such as SAS and STATA Experienced user of WINSTEPS Experience within a global professional organization, collaborating with staff located in multiple time zones, and demonstrated awareness of diverse cultural and political environments Skills/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 Physical & Mental: 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 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.

How to Apply
https://careers-isc2.icims.com/jobs/1287/psychometrician/job

EMPLOYMENT OPPORTUNITY WITH THOMAS JEFFERSON UNIVERSITY JEFFERSON HEALTH
POSTING DATE: 11/8/21

Job Title
Senior Research Study Analyst Position

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

Position Status (full, part-time)
full

Location (city, state)
Philadelphia, PA

Company Name + Description
Thomas Jefferson University Jefferson Heath delivers state of the art healthcare services to patients throughout the Delaware Valley and southern New Jersey (Philadelphia University + Thomas Jefferson University) provides more than 8,400 students from nearly 40 states and 40 countries with 21st century professional education. Combined, we have over 30,000 employees. Jefferson Health, with 14 hospitals (seven are Magnet designated by the ANCC for nursing excellence) and 40+ outpatient and urgent care locations, offers a broad range of primary and complex, highly specialized care that touches the lives of more than four million patients annually. U.S. News & World Report has ranked TJU among the nation's best in eight specialties. Jefferson Health also includes the NCI designated Sidney Kimmel Cancer Center; it is one of the only 70 such centers in the nation. TJU has 10 colleges and 3 schools that offer more than 160 undergraduate and graduate programs. Our University is dedicated to inter-professional and transdisciplinary approaches to learning that offer a vibrant and expandable platform for current yet to be imagined careers. As an employer, Jefferson maintains a commitment to provide equal access to employment. Jefferson values diversity and encourages applications from women, members of minority groups, LGBTQ individuals, disabled individuals and veterans.

Position Description
Providing support in all aspects (e.g., data collection and management, psychometrics and other statistical analyses, and writing technical report), and involvement in medical education research and assessment of educational and patient outcomes.

Essential Job Functions
- Preparing summary results of research findings, and technical reports.
- Developing SAS programs and procedures to perform statistical analyses requested by clients.
- Communicating with researchers/clients regarding their research design, statistical analysis, and other aspects of their projects that feature assessment of empathy.
- Collaborating on proposal development, execution, data management and analyses of externally funded projects.
- Contributing to documentation and statistical analyses of data retrieved from the Jefferson Longitudinal Study of Medical Education.

Qualifications Preferred (years of experience, education level etc.)
Bachelor's degree required. Masters' degree preferred, preferably in psychological, educational or social sciences, statistics, or related fields.

How to Apply
Please send CV to Shira Carroll at: shira.carroll@jefferson.edu

EMPLOYMENT OPPORTUNITY WITH PEARSON
POSTING DATE: 11/4/21

Position: Principal Research Scientist

At Pearson, we're committed to a world that's always learning and to our talented team who makes it all possible. From bringing lectures vividly to life to turning textbooks into laptop lessons, we are always re-examining the way people learn best, whether it's one child in our own backyard or an education community across the globe. We are bold thinkers and standout innovators who motivate each other to explore new frontiers in an environment that supports and inspires us to always be better. By pushing the boundaries of technology — and each other to surpass these boundaries — we create seeds of learning that become the catalyst for the world's innovations, personal and global, large and small. Pearson is an Equal Opportunity and Affirmative Action Employer and a member of E-Verify. All qualified applicants, including minorities, women, protected veterans, and individuals with disabilities are encouraged to apply. Pearson is seeking an experienced psychometrician. This position will provide thought leadership and customer support for one or more high-stakes large-scale testing programs. The position also includes the opportunity to direct and conduct applied research in support of Pearson's approaches. This position can work remotely or sit in a Pearson office.

General Responsibilities
- Advises customers on the implementation of their large scale assessment programs
- Designs, applies, and maintains psychometric processes
- Coordinates, conducts, and oversees other psychometric professionals, the implementation of all operational psychometric activities to support assigned large-scale high-stakes testing programs
- Represents Pearson through conference presentations, technical papers, and other scholarly work
- Provides technical solutions and writes proposals to acquire business
- Travel expected to be approximately 25%

Qualifications Education and Work Experience
- Doctoral degree in educational measurement or a related field from a nationally recognized institution of higher education
- Ten years of relevant job experience, preferably with the complete range of psychometric issues that are faced with operational assessment programs
- Preference given to candidates with experience on an operational large assessment setting
- Preference given to candidates with experience on a large scale computerized adaptive testing program

Communication Skills, Technical Presentations, and Client Contact
- Has strong communication skills (oral, written, and business) to function effectively in a leadership role with internal and external clients and liaise with other national measurement experts
- Ability to communicate about and articulate how state and national educational issues affect production work
- Ability to tailor technical presentations to different audiences (e.g., client groups or technical advisory committees)
- Candidates will be required to provide the following:
- Technical writing sample Non-technical writing sample
- Evidence that they have provided non-technical presentations (e.g., facilitated standard settings) during the past 5 years

Familiarity with Psychometric Techniques
- Ability to effectively apply, design solutions, and train others in psychometric techniques—including classical test theory, item response theory, test equating, scaling and linking, and standard-setting—to new and unique operational testing settings.
- Ability to consult across unique testing programs and situations

Familiarity with Software Packages and Software Development Processes
- Ability to apply software packages and programming languages commonly used in psychometric work or research (e.g., SAS, WINSTEPS, IRTPro, FACETS, etc.). Note that Pearson uses SAS in a server environment.
- Practical experience working with professional software developers to implement requirements and/or deliver operational programs

Knowledge of Educational Trends
- Ability to identify the broader implications of relevant national trends in education for operational assessment programs or research projects and clients
- Ability to Propose measurement plans and provide client practical advice based on these implications as appropriate

#LI-POST

This position is eligible to participate in an annual incentive program. Pearson is an Equal Opportunity and Affirmative Action Employer and a member of E-Verify. All qualified applicants, including minorities, women, protected veterans, and individuals with disabilities are encouraged to apply.

Apply here.

EMPLOYMENT OPPORTUNITY WITH PEARSON
POSTING DATE: 11/4/21

Position: Research Scientist

Pearson is the world's learning company, operating in nearly 200 countries around the world, with over 20,000 employees. We provide content, assessment, and digital services to schools, colleges, and universities, as well as professional and vocational education to learners to help increase their skills and lifelong employability prospects. We aim to support learners throughout their lifetime for every moment that matters – whether this is exam preparation and success, graduating from university, getting a new job, studying for a postgraduate degree, changing career, or looking for a new challenge.

From world-class assessment to virtual learning and beyond – we create the products and services that help tens of millions of people reach their goals each year. And we make sure our products fit with our key sustainability targets – to make learning accessible to everyone, to lead responsibly, and to give the next generation the skills they need to shape a better world.

Our vision is to have a direct relationship with millions of lifelong learners and to link education to the way people aspire to live and work every day. To do that, we will collaborate with a wide group of partners to help shape the future of learning. Our purpose is to help people make progress in their lives through learning.
We also believe we are at our best when we harness the unique skills, perspectives, and backgrounds of every employee.

The Research Scientist position described here is part of the Pearson Psychometric and Research Services group, which is part of the US School Assessment group and larger Assessment and Qualifications team. Pearson research scientists provide the full range of psychometric support to state and national customers, develop innovative techniques and processes, and conduct cutting-edge research studies.

The education, experience, and responsibilities associated with this position include:

Education and Work Experience
- Doctoral degree in educational measurement or a related field from a nationally recognized institution of higher education
- AND at least one year of relevant job experience, preferably with a testing program that has gone through a complete operational cycle OR at least one year of relevant job experience on a significant grant-funded research project

Familiarity with Psychometric Techniques or Techniques Associated with Other Relevant Areas of Expertise
- Has experience with applied psychometric techniques in a job setting—including classical test theory, item response theory, test equating, scaling, linking, and standard-setting
- OR experience with applied techniques associated with the scientist's specific area of expertise

Familiarity with Software Packages and Programming Languages
- Has experience with software packages and programming languages commonly used in psychometric work or measurement research (e.g., SAS, R, SPSS, WINSTEPS, IRTPro, PARSCALE, C++, MPLUS)
- OR experience with software (Matlab, IDL, PERL, Java, Javascript, XML) associated with the scientist's specific area of expertise

Scaling and Equating
- Shows sufficient familiarity with common scaling and equating designs to review and draft technical documentation, (including technical specifications)
- Conducts and guides analyses for item calibration, linking, and equating
- Designs, documents, (including technical specifications), and conducts analyses for item calibration, linking, and equating

Grants, Research, and External Funding
- Develops study design and research analysis specifications for proposed research studies
- Identifies study limitations and study parameters to optimize analyses and design in grants/applications for external funding and in research publications

Test Construction/Field Testing
- Works closely with other research scientists, data analysts, subject-matter experts, and/or clients/customers in the construction of test forms and the preparation of items for various testing purposes

Proposal Development
- Contributes to technical designs of proposals
- Writes associated text under guidance from more senior research scientists

Knowledge of Educational Trends
- Articulates and uses knowledge of national and state trends in education in assigned operational assessment programs or research projects
- Upholds the principles defined by the Standards for Educational and Psychological Testing

Communication Skills, Technical Presentations, and Client Contact
- Demonstrates communication skills, (oral, written, and business), necessary to function effectively as a primary contact with internal project teams and external clients with guidance from more senior research scientists
- Communicates about general state and national educational issues
- Presents technical information to different audiences, (e.g., client groups or technical advisory committees), with guidance from more senior research scientists
- Presents at national conferences
- Serves as the primary contact for Pearson Psychometric and Research Services, (PRS), (e.g., represents group in meetings and in other communications) for internal and external clients for a small-to-medium operational testing program or research project, or for a portion of a large and complex testing program or research project

Project and Talent Management
- Demonstrates project management skills necessary to lead all PRS-related aspects of a small-to-medium operational assessment program or research project or a portion of a large and complex assessment program or research project
- Supports hiring process through applicant interviewing
- Provides career plan consultation and advice

Organizational Behavior
- Aligns goals with published department goals
- Follows existing processes and documents processes when necessary

Working Location and Travel

- Willingness to travel as necessary

The anticipated starting salary range for Colorado-based individuals expressing interest in this position is 95-110k. This position is eligible to participate in an annual incentive program. Benefits available to eligible employees can be seen at: https://pearsonbenefitsus.com/ (https://neo.pearson.com/external-link.jspa?url=https%3A%2F%2Fpearsonbenefitsus.com%2F)

Apply here

EMPLOYMENT OPPORTUNITY WITH (ISC)2
POSTING DATE: 11/4/21

Job Title
Psychometrician

FLSA Status (exempt, non-exempt)
Exempt

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

Location (city, state)
Remote - US

Company Name + Description
(ISC)2

Position Description
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 analysis; the planning and execution of item development workshops; supporting exam security investigations; enforcing program policies and procedures and complying with accreditation requirements for (ISC)² certification programs.

Essential Job Functions
Monitor, maintain and improve exam form/pool psychometric performance Monitor, maintain candidate performance (by certification) Support the maintenance and compliance with (ISC)² program psychometric-related policies and procedures Support construction, analysis and interpretation of (ISC)² program psychometric-related reports Support maintenance of current and correct psychometric information on all ISC2 internal and external facing communications assets Support planning, implementing, and executing exam development workshops in support of new credential creation, existing credentialing management and maintenance. Support information needs with accrediting agencies (ACE, ANSI, IAS) for yearly audits. Support on-going psychometric compliance with ISO 17024. Serve as workshop manager and facilitator for (ISC)² JTA and Standard Setting workshops. Direct testing vendors to perform analysis and quality control procedures for exam forms/pools. Support maintenance of departmental Exam Development, Exam Administration and Exam Security policies and procedures that are psychometrically related. Managing candidate comments and feedback regarding psychometrics. Support exam adaptation projects Support item bank administration, maintenance, and reporting. Oversee examination results reporting process. Ensure that all examinations are psychometrically sound and defensible. Miscellaneous duties as assigned.

Qualifications Preferred (years of experience, education level etc.)
A graduate degree from an accredited university in Psychometrics or related field is required. A minimum of 9 years of operational psychometric experience is required. Operational experience with Classical Test Theory and Item Response Theory. Operational experience with fixed-form linear and Variable-length Computerized Adaptive Examinations. Familiarity with accreditation requirements as required by ISO 17024 Excellent interpersonal skills and experience to communicate with a highly diverse and international client base. Exceptional interpersonal, networking, and stakeholder management skills with emphasis on verbal communication and interfacing with a diverse array of people Strong computer and technical skills including MS Office Suite (Word, Excel, PowerPoint), internet, and web applications Experienced user of SPSS and R statistical software, including other statistical packages such as SAS and STATA Experienced user of WINSTEPS Experience within a global professional organization, collaborating with staff located in multiple time zones, and demonstrated awareness of diverse cultural and political environments

How to Apply
https://careers-isc2.icims.com/jobs/1287/psychometrician/job

EMPLOYMENT OPPORTUNITY WITH KAPLAN NORTH AMERICA
POSTING DATE: 11/3/21

Job Title
Psychometrician / Senior Psychometrician

FLSA Status (exempt, non-exempt)
exempt

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

Location (city, state)
remote

Company Name + Description
Kaplan North America

Position Description
Kaplan North America is looking for a Psychometrician / Senior Psychometrician to join the Psychometrics and Learning Analytics team. The role will entail building and configuring assessments and learning products on Kaplan's platform and provide operational support for the delivery, maintenance and expansion of existing testing and learning products. The position will focus on collaborating with product owners, content experts, instructional and learning designers, as well as data scientists and platform engineers to create excellent learning products with valid and informative assessments. This is a great opportunity to become part of a dynamic and important team in Kaplan's digital learning enterprise. This team enables proper assessment functioning across all product lines and is responsible for analytic algorithms and applications within the Kaplan North America students' learning ecosystem. This position will allow candidates to play a crucial role in building the product and services offered in the future. The chosen candidate will lead the development of infrastructure and standardized operating procedures for internal services serving content and business units in areas such as, but not limited to, test design and development, item analyses, field test planning, item calibrations, test construction, test form assembly, test score equating, scaling and linking, adaptive testing and learning algorithm, standard setting, learning analytics, etc. The position requires a highly motivated, self-driven and creative individual, able to multi-task independently under minimum supervision. The Senior-level position will be responsible for functioning as a team lead, mentoring junior staff and forging the vision and direction for the psychometric function at Kaplan.

Essential Job Functions
Works closely with Director of Psychometrics and Learning Analytics on various initiatives and operational and research projects across the organization Collaborates with content and business units to provide consultation and strategies on the road map. Provides guidance and plans for developing, analyzing, and evaluating diagnostic, formative and summative assessments. Integrates with Product Lines to identify the psychometric needs. Evaluates and identifies gaps in assessment and measurement models. Plans and monitors ongoing psychometric, assessment and learning analytics projects. Works with the Learning Experience, Atom Platform, and Technology teams to review assessments, measure outcomes, build adaptive testing algorithms, adaptive learning recommendation engines, and develop go-forward plans for learning platform migration and standardization. Conducts research and develops new and innovative analytic approaches to improve assessment for the test preparation and online learning Leads all aspects of operational work related to learning analytics and psychometrics, including data cleaning, analysis specification and implementation, script programming, results interpretation, quality control, documentation and reporting Present research findings and analyses results to internal and external teams and affiliates

Qualifications Preferred (years of experience, education level etc.)
Ph.D. Degree in psychometrics, educational measurement, statistics, educational technology, learning analytics or a closely related subject Minimum of two years of experience working in an academic and/or non-academic organization in educational assessment Experience in a wide range of assessment types, including diagnostic, formative, interim, benchmark, and summative assessments Excellent working knowledge of classical and modern psychometric models (e.g., classical test theory, item response theory, latent variable models, cognitive diagnostic models, latent knowledge tracing, longitudinal modeling) and general assessment and testing principles Excellent working knowledge of psychometric packages and software Knowledge and experience in advanced research methodologies and data analytics, including multiple regression, predictive modeling, Bayesian methods, educational data mining, and machine learning Proficient in at least one programming language (preferably R) For senior-level position, experience mentoring and training junior level psychometricians and data analysts Strong communication and collaboration skills Knowledge and experience in SQL is a plus

How to Apply
https://ghc.wd1.myworkdayjobs.com/en-US/Kaplan_Careers/job/RemoteNationwide-USA/Psychometrician_JR213551

EMPLOYMENT OPPORTUNITY WITH THE ILLINOIS STATE BOARD OF EDUCATION
POSTING DATE: 10/26/21

Job Title
Business Intelligence Data Analyst (Principal Consultant #1715)

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

Position Status (full, part-time)
Full

Location (city, state)
Springfield, IL

Company Name + Description
Illinois State Board of Education

Position Description
The Illinois State Board of Education is looking for a new Business Intelligence Data Analyst to add to our Data Strategies & Analytics team. Reporting to the Director, the position will provide day-to-day development and support of the agency's business intelligence, data reporting and data visualization projects. The position duties will include working with agency department managers and staff to recommend, build, and support business intelligence, data reporting and data visualizations solutions. Duties will comprise of report development using Microsoft SQL server and Microsoft Power BI.

Essential Job Functions
Performs business intelligence report development using Microsoft Power BI in support of agency projects and initiatives. Creates and maintains database queries and stored procedures to gather report data from agency SQL databases. Participates on business intelligence development team engaged in a wide range of data analytics and metrics optimization for agency's data warehouse projects. Maintains a high level of individual technical competency. Stays current with changes in technology and methodology for business intelligence and data visualizations solutions. Performs other duties as assigned.

Qualifications Preferred (years of experience, education level etc.)
REQUIRED QUALIFICATIONS: Bachelor's Degree and Microsoft Power BI Certification, or, a High School Diploma with a combination of four years of education, experience, or training in a technical field such as statistics, data analysis, economics, technology, or computer science and Microsoft Power BI Certification. (COPY OF TRANSCRIPTS REQUIRED AT TIME OF APPLICATION) Excellent listening, oral, written, and interpersonal communication skills. Ability to efficiently manage simultaneous projects and re-prioritize workload. Ability to think logically, interpret problems, present creative solutions with clarity and precision, and deliver results. Ability to work independently, yet quickly assimilate into a team atmosphere to participate on inter-departmental assignments. Ability to translate technical and complex information and instructions into common, user-friendly terms. Capable of quickly adapting to change and various agency demands. PREFERRED: Master's Degree. Relevant professional experience. At least two years of experience in advanced work using Microsoft Power BI and Microsoft SQL server. A minimum of two years of experience in business analysis and customer service. Interest in public service and improving education for Illinois students. Working knowledge of computer operating systems such as Windows 10. Working knowledge of Office 365.

How to Apply
https://www.isbe.net/Lists/ISBECareers/CareerDisplayForm.aspx?ID=596

EMPLOYMENT OPPORTUNITY WITH COLLEGE BOARD
POSTING DATE: 10/22/21

Job Title
Senior Research Statistician

FLSA Status (exempt, non-exempt)
Exempt

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

Location (city, state)
Yardley, PA or New York, NY

Company Name + Description
College Board

Position Description
This position will have responsibility for undertaking work involving the creation of statistical summaries, design and implementation of QC efforts, and manipulation of large data sets to support statistical analysis requests. This position will actively participate in research and analysis projects as a co-investigator or principal investigator. This position will oversee large-scale data aggregation and research and analysis projects, and mentor other research statisticians. Work will be conducted with a good degree of independence and with minimal supervision.

Essential Job Functions
Statistical Analysis - Undertake statistical analyses using both internal and external data as assigned. Produce tables and graphical displays of large-scale statistical results. Produce data aggregations (descriptive statistics, correlation coefficients, and visual display of aggregated data) for internal and external consumption. Examples of such efforts are College-Bound Seniors press event and AP Report to the Nation. Write complex queries/programs , including the use of macros and generate reports representing a variety of formats. Work with a variety of data files representing item-, student-, school-, district-, institution-, state- and national-levels. Work with a variety of data file formats including flat, SPSS, SAS and Excel files, as well as normalized and de-normalized data. Work with large databases involving AP, PSAT/NMSQT, PSAT89, and SAT data, school to district and state mappings, and NCES (Federal government data). Ability to work with and understand cross-program data structure. Develop more efficient procedures in the fulfillment of these analyses that may include developing stored procedures/programs and/or database solutions.

Data Manipulation - Organize and re-organize data into a variety of formats to permit for use in specialized statistical software used for research and psychometric work. Manipulate output from statistical analysis for use in research reports and other statistical analyses. Provide personalized data representing a variety of data sources (internal and external) to research scientists and psychometricians. These data include item-level, item meta data, standards, student overall test scores, school/district/institution data and related attributes. Work with large databases, and NCES (Federal government data).

Research - Assume primary responsibility in the fulfillment of large-scale, strategically important research and analysis projects representing collaborations with state departments of education and other organizations. Undertake research and analysis projects as primary investigator consistent with the R&D agenda. Design and implement QC procedures on all statistical analyses. Co-present with approval from supervisor and as needed at professional conferences and author statistical summaries, research notes, and research reports. Support work surrounding aligning external student data to internal College Board assessment data.

Policies and Convention - Maintain a procedure for an efficient and thorough documentation of how the statistical analyses were completed and reports were generated. Provide research support and guidance to Research and Development colleagues. Produce technical reports and memorandum describing procedures, data collection, and/or research results. Provide consultation on new reporting efforts and/or developing/piloting new reports. Act as resource for database questions. Provide technical training.

Qualifications Preferred (years of experience, education level etc.)
Minimum Qualifications - Candidates with at least a Master's degree in social science, math/science field or equivalent experience required. Five to seven years of demonstrated proficiency with SAS or SPSS required. Experience with SQL, R, or Python is required. Participation in projects involving publication of a variety of statistical summary reports is required. Knowledge of statistics is required. Research skills and expertise in methodology are required. Once COVID travel restrictions are lifted, travel 3-5 times a year for program support and team meetings.

Preferred Qualifications - Preference will be given to those candidates with experience working with large projects involving data, statistics, and research summaries. Experience with Microsoft Office programs (Word, Excel, Access, PowerPoint, and Outlook), with an emphasis on MS Word and Excel. Excellent oral and written communication skills. Excellent interpersonal skills. Ability to function in a team-oriented unit.

How to Apply
https://collegeboard.wd1.myworkdayjobs.com/en-US/Careers/job/Yardley-PA/Senior-Research-Statistician_REQ000357-1

EMPLOYMENT OPPORTUNITY WITH ACT
POSTING DATE: 10/22/21

Job Title
Lead Psychometrician

FLSA Status (exempt, non-exempt)
Exempt

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

Location (city, state)
Remote or Iowa City, Iowa

Company Name + Description
ACT - When ACT was founded in 1959, it disrupted the assessment industry with a new approach to helping students better understand their readiness so they could take steps to improve it. By leveraging our expertise and authority in assessment and research, we will again disrupt the industry—helping more people learn, better measure their progress, and improve their navigation through life's transitions. More than ever before, ACT is fulfilling its mission of helping people achieve education and workplace success. We're doing it by pushing the boundaries of learning innovation through the work of our people, who we call team members because we're all in this together. We know

transformation does not come without challenge. That's why ACT invests in a variety of experiences for team members to strengthen their connections, explore ideas, learn from customers, and celebrate success. Learn more about working at ACT at act.org!

Position Description

We are seeking a Lead Psychometrician who will contribute through advanced knowledge, skills and expertise in educational measurement, psychometrics and statistical modeling to help us fulfill our mission of helping people achieve education and workplace success. This is a remote position. ACT is looking for someone to join our Research team with a specialization in psychometrics and measurement. The Psychometrics Research teams has as a mission to provide exceptional psychometric excellence to our flagship products and to lead the research, design, and development of next generation assessments that facilitate adaptability and personalization by leveraging digital technologies, new measurement models, and digital data sources.

What you will be working on:
- Lead the work and development of innovative, collaborative and dynamic cross-functional teams to achieve milestones and objectives
- Establish policy and approach for how work is accomplished
- Develop, build, design, and improve program elements that are utilized by others to accomplish goals Interpret internal or external business issues and recommends and/or implements solutions/best practices
- Solve highly complex problems; takes a broad approach to developing solutions, process improvement and improving efficiencies.
- Work with research team members to ensure that design and execution of research plans support, reflect, and advance the overall research agenda and organizational strategy as well as integrate across the area
- Consult on customer RFP's and contracts and represent Research by providing primary support for communicating current and potential capabilities and level of effort required to develop standard and non-standard solutions for securing new and existing business opportunities.

This could be the job for you if you have (minimum requirements):
- Advanced knowledge of educational measurement, psychometrics (computer adaptive), and statistical modeling (knowledge with Bayesian statistics preferred)
- Expertise in developing and leading research projects and effectively communicating technical issues to audiences with different knowledge backgrounds
- Developed skills and extensive experience in consulting
- Proven leadership skills in project management (including prioritization and management of multiple complex projects), collaboration and quality assurance
- Ability to independently develop strategies to solve problems or consult on problems arising from testing programs or corporate management concerns
- Experience in developing proposal responses for state assessment programs
- Experience in applying measurement theories in support of field testing, test construction, scaling, equating and calibration practices
- Experience working with external customers and Technical Advisory Committees
- Self-motivated and self-driven
- Strong innovative and analytical skills
- Strong verbal and written communication skills, including presentation skills
- Ability to adapt quickly to change and navigate ambiguity and to be successful in a fast-paced Lean Agile environment
- Exceptional organizational skills and attention to detail and accuracy
- Demonstrated experience working with IRT software from commercial packages (such as BILOGMG, FlexMIRT, MULTILOG, Winsteps), or from R packages
- Solid computer programming skills in R, SAS, or Python
- At least 7 years of progressively responsible experience in research, measurement and/or psychometrics
- Doctoral degree in educational measurement, psychometrics, statistics or related field or an equivalent combination of education and experience from which comparable knowledge and abilities can be acquired

Your Work Makes a Difference ACT team members are part of an organization dedicated to an important mission: Helping people achieve education and workplace success. Everything we do contributes to this mission, including team member events, professional development resources, community outreach opportunities and solid benefit offerings. Helping team members achieve education and workplace success of their own advances the ACT mission on a daily basis. You will be joining a well-established ACT business unit and be part of a hard-working and supportive team working from across the US or at the ACT Headquarters in Iowa City. ACT is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. ACT values diversity in people and ideas and participates in E-verify. ACT's online position announcements are intended only to provide general descriptions of employment opportunities; none of the information provided for any position should be interpreted as a commitment by ACT to specific terms and conditions for employment.

Essential Job Functions
See Position Description Above

Qualifications Preferred (years of experience, education level etc.)
NA

EMPLOYMENT OPPORTUNITY WITH ACT
POSTING DATE: 10/22/21

Job Title
Psychometrician II or Senior Psychometrician

FLSA Status (exempt, non-exempt)
Exempt

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

Location (city, state)
Remote or Iowa City, Iowa

Company Name + Description
ACT - When ACT was founded in 1959, it disrupted the assessment industry with a new approach to helping students better understand their readiness so they could take steps to improve it. By leveraging our expertise and authority in assessment and research, we will again disrupt the industry—helping more people learn, better measure their progress, and improve their navigation through life's transitions. More than ever before, ACT is fulfilling its mission of helping people achieve education and workplace success. We're doing it by pushing the boundaries of learning innovation through the work of our people, who we call team members because we're all in this together. We know transformation does not come without challenge. That's why ACT invests in a variety of experiences for team members to strengthen their connections, explore ideas, learn from customers, and celebrate success. Learn more about working at ACT at act.org!

Position Description
We are seeking a Psychometrician II or Senior Psychometrician who will contribute through advanced knowledge, skills and expertise in educational measurement, psychometrics and statistical modeling to help us fulfill our mission of helping people achieve education and workplace success. This is a remote position. ACT is looking for someone to join our Research team with a specialization in psychometrics and measurement. The Psychometrics Research teams has as a mission to provide exceptional psychometric excellence to our flagship products and to lead the research, design, and development of next generation assessments that facilitate adaptability and personalization by leveraging digital technologies, new measurement models, and digital data sources. The level at which this position will be filled is determined by the qualifications of the finalist.

Psychometrician II level requires 3 years of progressively responsible experience in research, measurement and/or psychometrics

Senior Psychometrician level requires 5 years of progressively responsible experience in research, measurement and/or psychometrics

What you will be working on:
- Participate in or lead the work and development of innovative, collaborative and dynamic cross-functional teams to achieve milestones and objectives
- Contribute to establishing policy and approach for how work is accomplished
- Develop, build, design, and improve program elements that are utilized by others to accomplish goals
- Interpret internal or external business issues and recommends and/or implements solutions/best practices
- Solve highly complex problems; takes a broad approach to developing solutions, process improvement and improving efficiencies.
- Work with research team members to ensure that design and execution of research plans support, reflect, and advance the overall research agenda and organizational strategy as well as integrate across the area
- Consult on customer RFP's and contracts and represent Research by providing primary support for communicating current and potential capabilities and level of effort required to develop standard and non-standard solutions for securing new and existing business opportunities

This could be the job for you if you have (minimum requirements):
- Advanced knowledge of educational measurement, psychometrics (computer adaptive), and statistical modeling (knowledge with Bayesian statistics preferred)
- Expertise in developing and leading research projects and effectively communicating technical issues to audiences with different knowledge backgrounds
- Developed skills and extensive experience in consulting
- Proven leadership skills in project management (including prioritization and management of multiple complex projects), collaboration and quality assurance
- Ability to independently develop strategies to solve problems or consult on problems arising from testing programs or corporate management concerns
- Experience in developing proposal responses for state assessment programs

- Experience in applying measurement theories in support of field testing, test construction, scaling, equating and calibration practices
- Experience working with external customers and Technical Advisory Committees
- Self-motivated and self-driven
- Strong innovative and analytical skills
- Strong verbal and written communication skills, including presentation skills
- Ability to adapt quickly to change and navigate ambiguity and to be successful in a fast-paced Lean Agile environment
- Exceptional organizational skills and attention to detail and accuracy
- Demonstrated experience working with IRT software from commercial packages (such as BILOGMG, FlexMIRT, MULTILOG, Winsteps), or from R packages
- Solid computer programming skills in R, SAS, or Python
- Doctoral degree in educational measurement, psychometrics, statistics or related field or an equivalent combination of education and experience from which comparable knowledge and abilities can be acquired

Your Work Makes a Difference ACT team members are part of an organization dedicated to an important mission: Helping people achieve education and workplace success. Everything we do contributes to this mission, including team member events, professional development resources, community outreach opportunities and solid benefit offerings. Helping team members achieve education and workplace success of their own advances the ACT mission on a daily basis. You will be joining a well-established ACT business unit and be part of a hard-working and supportive team working from across the US or at the ACT Headquarters in Iowa City. ACT is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. ACT values diversity in people and ideas and participates in E-verify. ACT's online position announcements are intended only to provide general descriptions of employment opportunities; none of the information provided for any position should be interpreted as a commitment by ACT to specific terms and conditions for employment.

Essential Job Functions
Please see Position Description above

Qualifications Preferred (years of experience, education level etc.)
NA

How to Apply
https://www.linkedin.com/jobs/view/2768721804/?capColoOverride=true

EMPLOYMENT OPPORTUNITY WITH NWEA
POSTING DATE: 10/15/21

Job Title
Senior Research Scientist, Measurement

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Full time

Location (city, state)
Remote

Company Name + Description
NWEA

Position Description
You are an experienced mid- to senior-level researcher with exceptional knowledge in psychological measurement and causality. You're critical and solution oriented. You are excited by ambiguity and have a track record of building something from nothing. For this position, you will be part of a team of learning scientists, psychometricians, domain subject matter experts (SMEs), and software engineers, collaborating to design, build, and validate measurement systems that support student learning in the classroom. Desired candidates will share many attributes with scholars in academia (self-directed, productive, communicative), but be interested in doing research that leads to the development of new products.

Essential Job Functions
Work closely with scientists, psychometricians, domain SMEs, and engineers to design, build, and test theoretically coherent systems to measure fine-grained psychological attributes and their functional relationships. Collaborate with scientists and SMEs on all aspects of instrument design (e.g., item design, test design). Collaborate with scientists on study design and analysis, including sample planning, simulations, data cleaning, analysis, and writing. Collaborate with other psychometricians on the psychometric modeling of repeated-observation data (e.g., item responses, longitudinal data) from experimental and observational designs. Clearly communicate about technical issues to

colleagues, clients, and other stake holder groups such as technical advisory committees and professional associations. Write and edit documents that are tailored to the target audience for RFPs, technical reports, research briefs, and standard operating procedures. Publish in academic journals, influence testing/education policy, pursue grant funding and present at conferences

Qualifications Preferred (years of experience, education level etc.)
Ph.D and 4+ years experience

How to Apply
https://jobs.jobvite.com/nwea/job/o5K9hfwZ?__jvst=CareerSite&__jvsd=nwea&__jvsc=Email

EMPLOYMENT OPPORTUNITY WITH THE COLLEGE BOARD
POSTING DATE: 10/15/21

Job Title
Senior Research Statistician

FLSA Status (exempt, non-exempt)
exempt

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

Location (city, state)
Yardley, PA or New York, NY

Company Name + Description
The College Board

Position Description
This position will have responsibility for undertaking work involving the creation of statistical summaries, design and implementation of QC efforts, and manipulation of large data sets to support statistical analysis requests. This position will actively participate in research and analysis projects as a co-investigator or principal investigator. This position will oversee large-scale data aggregation and research and analysis projects, and mentor other research statisticians. Work will be conducted with a good degree of independence and with minimal supervision.

Essential Job Functions
Statistical Analysis
Undertake statistical analyses using both internal and external data as assigned. Produce tables and graphical displays of large-scale statistical results. Produce data aggregations (descriptive statistics, correlation coefficients, and visual display of aggregated data) for internal and external consumption. Examples of such efforts are College-Bound Seniors press event and AP Report to the Nation. Write complex queries/programs , including the use of macros and generate reports representing a variety of formats. Work with a variety of data files representing item-, student-, school-, district-, institution-, state- and national-levels. Work with a variety of data file formats including flat, SPSS, SAS and Excel files, as well as normalized and de-normalized data. Work with large databases involving AP, PSAT/NMSQT, ReadiStep, and SAT data, school to district and state mappings, and NCES (Federal government data). Ability to work with and understand cross-program data structure. Develop more efficient procedures in the fulfillment of these analyses that may include developing stored procedures/programs and/or database solutions.

Data Manipulation
Organize and re-organize data into a variety of formats to permit for use in specialized statistical software used for research and psychometric work. Manipulate output from statistical analysis for use in research reports and other statistical analyses. Provide personalized data representing a variety of data sources (internal and external) to research scientists and psychometricians. These data include item-level, item meta data, standards, student overall test scores, school/district/institution data and related attributes. Work with large databases, and NCES (Federal government data).

Research
Assume primary responsibility in the fulfillment of large-scale, strategically important research and analysis projects representing collaborations with state departments of education and other organizations. Undertake research and analysis projects as primary investigator consistent with the R&D agenda. Design and implement QC procedures on all statistical analyses. Co-present with approval from supervisor and as needed at professional conferences and author statistical summaries, research notes, and research reports. Support work surrounding aligning external student data to internal College Board assessment data.

Policies and Convention
Maintain a procedure for an efficient and thorough documentation of how the statistical analyses were completed and reports were generated. Provide research support and guidance to Research and Development colleagues. Produce technical reports and memorandum describing procedures, data collection, and/or research results. Provide consultation on new reporting efforts and/or developing/piloting new reports. Act as resource for database questions. Provide technical training.

Relationships

Internal Contacts: Collaborate with individual team and Research and Development staff members on data and statistical components of research discovery, QC procedures, reporting projects, and research projects. Frequent interactions with other College Board staff members. External Contacts: Occasionally contact customers, external researchers, consultants and vendors concerning the statistical analyses and data aggregations. Occasionally contact other external constituents on ad hoc statistical analysis and data aggregation projects. Occasionally, but consistently, present findings at regional and national conferences to external constituents.

Qualifications Preferred (years of experience, education level etc.)

Preference will be given to those candidates with experience working with large projects involving data, statistics, and research summaries. Experience with Microsoft Office programs (Word, Excel, Access, PowerPoint, and Outlook), with an emphasis on MS Word and Excel. Excellent oral and written communication skills. Excellent interpersonal skills. Ability to function in a team-oriented unit.

How to Apply

https://collegeboard.wd1.myworkdayjobs.com/en-US/Careers/job/Yardley-PA/Senior-Research-Statistician_REQ000357-1

EMPLOYMENT OPPORTUNITY WITH WESTERN MICHIGAN UNIVERSITY
POSTING DATE: 10/13/21

Job Title

EMR Term, Assistant Professor-Quantitative Research

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full

Location (city, state)

Kalamazoo, MI

Company Name + Description

Western Michigan University - Education

Position Description

EVALUATION, MEASUREMENT, AND RESEARCH (EMR): Assistant Professor, Board appointed term position, begins January 2022. This is a renewable annual appointment with a possibility of Summer I/Summer II teaching assignments. Applicants should possess an earned doctorate in educational research or a closely related discipline, with a strong focus on quantitative research methods and applied statistics. Preference will be given to candidates with experience working with diverse populations, demonstrated ability to teach graduate courses primarily in applied statistics or courses specific to their research and scholarship interests, and have teaching experience using on-line formats. Other responsibilities may include: advising students, maintaining an active research agenda, and participating in a range of service activities.

Essential Job Functions

Major Responsibilities:
- Teach graduate courses in research methods and quantitative analysis
- Advise/mentor graduate students
- Maintain an active research agenda
- Participate in a range of service activities

Qualifications Preferred (years of experience, education level etc.)

Minimum Qualifications:
- Earned doctorate in educational research or a closely related discipline, with a strong focus on quantitative research methods and applied statistics.

Desired Qualifications:
- Experience working with diverse populations, especially second language learners
- Demonstrated ability to teach graduate courses primarily in applied statistics or courses specific to their research and scholarship interests
- Teaching experience using on-line formats -Demonstrated commitment to anti-racism, anti-bias and issues of equity

How to Apply

https://www.wmujobs.org/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=208354

EMPLOYMENT OPPORTUNITY WITH CURRICULUM ASSOCIATES
POSTING DATE: 10/13/21

Job Title
Senior Product Manager (Assessment)

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Full Time

Location (city, state)
Remote

Company Name + Description
Curriculum Associates

Position Description
At Curriculum Associates (CA), we believe a diverse team leads to diversity in thinking, making our products better for teachers and students. If you read this job description, feel energized by what you see here, and believe you could bring passion and commitment to the role, but you aren't sure you meet every qualification, please apply! Above all, we are looking for the right person! The successful Senior Product Manager will be a key member of the platform product management team and will work closely with the technology, design, research, and editorial teams to evaluate and deliver assessment solutions for customers (students, teachers and school/district administrators); developing a deep understanding of these educator and student needs, communicating product definition and prioritization, working closely with engineering teams to deliver features, and acting upon user feedback to continuously improve the product. The Senior Product Manager—who is a creative, collaborative problem solver—will thrive in our fast-growing and dedicated environment. The impact you'll have: Drive product design end-to-end, working with the product management, design, and development teams, as well as subject matter experts. This will include researching student and educator user needs, gathering requirements, scoping, and designing creative solutions, articulating, and prioritizing detailed feature definitions Collaborate with fellow product managers to ensure a cohesive product vision Effectively present product plans, ideas, and designs to technical and non-technical stakeholders for feedback Collaborate with UX team to define new user interfaces and product flows Own prioritization of the product backlog, including translation of roadmap features into epics/user stories, preparing for the release or program increment (PI) planning Work with assigned engineering scrum teams to plan workflow, define user stories and acceptance criteria, and review test plans Monitor product usage and interact regularly with support teams and educators to analyze product feedback and build product knowledge Stay abreast of trends, key issues, competitors, and partner offerings What we're looking for: Minimum of 5–7 years product management experience or product owner in an agile development environment; strong preference for experience with clients in a SaaS environment Proven ability to develop product ideas based on multiple quantitative and qualitative inputs and make decisions that solve user needs after consuming and analyzing the input from various sources Excellent analytical skills with demonstrated experience turning data into actionable insights Demonstrated ability to effectively collaborate across stakeholders both technical and non-technical Terrific organizational, problem-solving and time management skills Ability to thrive in a dynamic, fast-paced software development environment Excellent verbal and written communication skills Knowledge of EdTech and educational assessment industries is a plus MEd or MBA preferred

---

Essential Job Functions
The impact you'll have: Drive product design end-to-end, working with the product management, design, and development teams, as well as subject matter experts. This will include researching student and educator user needs, gathering requirements, scoping, and designing creative solutions, articulating, and prioritizing detailed feature definitions Collaborate with fellow product managers to ensure a cohesive product vision Effectively present product plans, ideas, and designs to technical and non-technical stakeholders for feedback Collaborate with UX team to define new user interfaces and product flows Own prioritization of the product backlog, including translation of roadmap features into epics/user stories, preparing for the release or program increment (PI) planning Work with assigned engineering scrum teams to plan workflow, define user stories and acceptance criteria, and review test plans Monitor product usage and interact regularly with support teams and educators to analyze product feedback and build product knowledge Stay abreast of trends, key issues, competitors, and partner offerings

---

Qualifications Preferred (years of experience, education level etc.)
What we're looking for: Minimum of 5–7 years product management experience or product owner in an agile development environment; strong preference for experience with clients in a SaaS environment Proven ability to develop product ideas based on multiple quantitative and qualitative inputs and make decisions that solve user needs after consuming and analyzing the input from various sources Excellent analytical skills with demonstrated experience turning data into actionable insights Demonstrated ability to effectively collaborate across stakeholders both technical and non-technical Terrific organizational, problem-solving and time management skills Ability to thrive in a dynamic, fast-paced software development environment Excellent verbal and written communication skills Knowledge of EdTech and educational assessment industries is a plus MEd or MBA preferred

---

How to Apply
https://app.jobvite.com/j?cj=oLy5gfwo&s=NCME

EMPLOYMENT OPPORTUNITY WITH THE UNIVERSITY OF LOUISIANA LAFAYETTE
POSTING DATE: 10/11/21

Job Title
Post-Doc in Statistics or Psychometrics

FLSA Status (exempt, non-exempt)
exempt

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

Location (city, state)
Lafayette, LA

Company Name + Description
University of Louisiana Lafayette Cecil J. Picard Center for Child Development and Lifelong Learning

---

Position Description
The Cecil J. Picard Center for Child Development and Lifelong Learning is a leading university-level research center that for over two-decades has built on the legacy of its namesake—the longest serving Louisiana state superintendent of education—to produce rigorous, innovative, and actionable evidence in order to ensure that all children get a strong start and continuous support to excel in school and life. Among its signature current projects are collecting CLASS observations in several thousand early childhood to early elementary classrooms annually statewide, conducting a bi-annual Caring Communities Youth Survey (CCYS) that supports behavioral health interventions in schools across the state, and leading an Adverse Childhood Experiences (ACEs) Task Force at the University of Louisiana at Lafayette. The third largest university in Louisiana, UL Lafayette's research expenditures more than doubled over the last half-decade, placing it currently in the top 10 nationally for funding through partnerships with business and industry. Known for its strengths in informatics, UL Lafayette initiated the nation's first master's degree in computer science in 1962. The post-doc will work under the mentorship of Picard Center Director Rachel Gordon to grow the Center's research portfolio in the Center's signature areas of early childhood education and socio-emotional development. With particular focus on collaborative projects with state partners that have local and national relevance, this research may draw on the current projects just described as well as upon other administrative and secondary data sources. The Picard Center's 40,000+ square foot building located in the university's research park includes state-of-the-art information technology that facilitates large scale data analysis. The author of two applied statistics textbooks and pedagogical papers on psychometrics, Dr. Gordon is a multi-disciplinary and multi-method scholar who brings over two decades of research experience meta-analyzing dozens of secondary datasets and leveraging new data collection technologies, often in co-creation partnerships with practitioners and policymakers, to support diverse children and families' developmental trajectories. A leader in supporting faculty research development, Dr. Gordon is committed to establishing mentorship plans with post-doctoral fellows that support their professional goals along with fulfilling Center needs. These supports include co-writing external grant applications that might fund continued work at the Center after the post-doc period ends.

Essential Job Functions
The Picard Center is simultaneously hiring two Post-Docs, one in Statistics or Psychometrics and one in Social, Behavioral, Educational, or Health Sciences. This pair of Post-Docs will work closely together, supporting one another and the broader Center with complementary skills. Both will be hired for two-year terms, with an option of a third year if mutually desired.

A primary responsibility of the post-doc will be to design and implement analysis plans for a series of brief reports and related scholarly publications that are both relevant to state decision makers and contribute to national dialogue. The scholarly publications will target top-tier scholarly journals in the social, behavioral, educational, or health sciences and in statistics/psychometrics, and would be written collaboratively with the second post-doc and with other Center faculty and staff.

A second responsibility of the post-doc will be to contribute to and, where appropriate, lead external grant submissions, including with state practice and policy partners. These external grant submissions will target federal agencies and national foundations, and might fund the Post-Doc's continued work at the Center after the Post-Doc term. The Post-Doc in Statistics or Psychometrics will need to perform duties independently and confidentially and must exercise a high level of judgment and initiative. The Post-Doc must be able to anticipate problems and critical issues as they arise, providing summary information to facilitate timely responses. The Post-Doc must be able to handle correspondence and phone calls professionally and efficiently, including determining appropriate action, and be enthusiastic about working collaboratively with multiple teams. Salary is competitive and commensurate with qualifications, experience, and proven ability. The holder of this position is an employee of the State of Louisiana and as such enjoys a generous benefits package.

Qualifications Preferred (years of experience, education level etc.)
The ideal candidate will possess:
- A PhD in the Statistics or Psychometrics is required
- Expertise in hierarchical (multi-level, mixed), longitudinal, and latent variable models desired
- Some substantive training in social, behavioral, educational, or health sciences preferred
- Exceptional written, verbal, and interpersonal skills

- Demonstrated ability to interact positively with both internal and external constituencies
- Ability to prioritize work with minimal supervision
- Motivated to learn new skills, as needed
- Committed to the mission of the center

Applications should include: 1) a letter that demonstrates the candidate's understanding of the position and how his/her background meets the position criteria; 2) a curriculum vita; 3) three to five references.

How to Apply
https://louisiana.csod.com/ux/ats/careersite/1/home/requisition/1489?c=louisiana

EMPLOYMENT OPPORTUNITY WITH METAMETRICS
POSTING DATE: 10/7/21

Job Title
Psychometrician (Open Rank)

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
Full time

Location (city, state)
Durham, NC

Company Name + Description
MetaMetrics, Inc. At MetaMetrics®, we make test scores actionable and bring meaning to measurement. As we work with our education partners — both corporate and government — to transform the world of educational policy and practice so that learning is accelerated for all students, we are guided by our core values: We are mission-driven. We work closely with educators and policy-makers to promote equality and excellence in education. We are optimistic. We believe that we have the ability to positively impact our world. We strive for excellence. We seek to be the best in everything we do. We are innovative. We champion and celebrate creativity. We have integrity. We act with honesty and transparency within our workplace, community, and world.

Position Description
Psychometricians are key contributors for all research and development tasks from test construction through reporting of scores. These individuals are responsible for conducting and supporting activities such as item calibration, forms construction, scaling, equating, linking, and creating technical reports and documentation (or completing these tasks under the guidance of senior members of the Research and Development team). Psychometricians may work very closely with both internal and external clients to fulfill needs of test design and development. Psychometricians are knowledge leaders on the Psychometric Services team and within MetaMetrics. As such, Psychometricians are expected to provide guidance and direction on projects, initiate conversations related to innovation and flexibility with processes, and work closely with all MetaMetrics teams to meet the quality and service expected of our clients. Position is open rank; rank (i.e., psychometrician, senior psychometrician, principal psychometrician) will be commensurate with experience.

Essential Job Functions
- Develop validity arguments and analytical plans with the ability to execute them.
- Maintain awareness of psychometric literature and new methods in the field, and is prepared to implement analytic techniques not already in use at MetaMetrics.
- Independently conduct or support linking/equating, scaling, and research studies.
- Write white papers and technical reports.
- Evaluate data obtained from partners to ensure quality, including communicating with clients to clarify data file layouts. Reviews data file preparation generated from SAS Programmers and Research Analysts and creates and maintains project schedules.
- Publish and present on measurement and statistical topics.
- Present to clients and their external reviewers (e.g., technical advisory committees) and answers any on-the-fly or follow-up questions regarding psychometric methods, results, and conclusions and interpretations.
- Perform other duties as assigned

Qualifications Preferred (years of experience, education level etc.)
Education and/or Experience: Doctoral degree (Ph.D.) or equivalent in educational psychology, applied statistics, measurement, psychometrics, or related field; understanding of item calibration, score equating, scale linking, and item analysis using both classical and IRT methods; preferred 5+ years of experience or equivalent combination of education and experience (position will be commensurate with experience). Computer Skills: Experience using statistical software such as SPSS or SAS and IRT software such as WINSTEPS or PARSCALE, Windows environment, intermediate Microsoft Office (Word, Excel, PowerPoint, Access), basic e-mail (Gmail) and basic Internet navigation. Extensive experience with word processing, spreadsheet, and other computer applications for the development of research studies and reports.

Other Qualities:

- Language Skills - Ability to read, analyze, and interpret common scientific and technical journals, and legal documents. Ability to respond to common inquiries or complaints from customers, regulatory agencies, or members of the business community. Ability to write articles for publication, white papers, and technical reports that conform to prescribed style and format. Ability to effectively present information with both internal and external stakeholders.
- Psychometric Skills - Ability to design and implement analyses related to determination of test reliability and validity, analysis of variance, correlation techniques, sampling theory, and factor analysis.
- Reasoning Ability- Ability to apply principles of logical or scientific thinking to a wide range of intellectual and practical problems. Ability to deal with a variety of abstract and concrete variables.
- Publishing - Active track record of peer-reviewed research publications and conference papers is preferred, though not essential.

How to Apply
https://recruiting.paylocity.com/recruiting/jobs/All/53b91de1-5589-4447-9acd-c390400dc7f9/MetaMetrics-Inc

EMPLOYMENT OPPORTUNITY WITH THE UNIVERSITY OF LOUISIANA LAFAYETTE
POSTING DATE: 10/6/21

Job Title
Post-Doc Social, Behavioral, Educational, or Health

FLSA Status (exempt, non-exempt)
exempt

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

Location (city, state)
Lafayette, LA

Company Name + Description
University of Louisiana Lafayette

Position Description
The Cecil J. Picard Center for Child Development and Lifelong Learning is a leading university-level research center that for over two-decades has built on the legacy of its namesake—the longest serving Louisiana state superintendent of education—to produce rigorous, innovative, and actionable evidence in order to ensure that all children get a strong start and continuous support to excel in school and life. Among its signature current projects are collecting CLASS observations in several thousand early childhood to early elementary classrooms annually statewide, conducting a bi-annual Caring Communities Youth Survey (CCYS) that supports behavioral health interventions in schools across the state, and leading an Adverse Childhood Experiences (ACEs) Task Force at the University of Louisiana at Lafayette. The third largest university in Louisiana, UL Lafayette's research expenditures more than doubled over the last half-decade, placing it currently in the top 10 nationally for funding through partnerships with business and industry. The post-doc will work under the mentorship of Picard Center Director Rachel Gordon to grow the Center's research portfolio in the Center's signature areas of early childhood education and socio-emotional development. With particular focus on collaborative projects with state partners that have local and national relevance, this research may draw on the current projects just described as well as upon other administrative and secondary data sources. The Picard Center's 40,000+ square foot building located in the university's research park includes state-of-the-art information technology that facilitates large scale data analysis. The author of two applied statistics textbooks and pedagogical papers on psychometrics, Dr. Gordon is a multi-disciplinary and multi-method scholar who brings over two decades of research experience meta-analyzing dozens of secondary datasets and leveraging new data collection technologies, often in co-creation partnerships with practitioners and policymakers, to support diverse children and families' developmental trajectories. A leader in supporting faculty research development, Dr. Gordon is committed to establishing mentorship plans with post-doctoral fellows that support their professional goals along with fulfilling Center needs. These supports include co-writing external grant applications that might fund continued work at the Center after the post-doc period ends.

Essential Job Functions
The Picard Center is simultaneously hiring two Post-Docs, one in Statistics or Psychometrics and one in Social, Behavioral, Educational, or Health Sciences. This pair of Post-Docs will work closely together, supporting one another and the broader Center with complementary skills. Both will be hired for two-year terms, with an option of a third year if mutually desired.

A primary responsibility of the post-doc will be to develop a substantive research plan for a series of brief reports and related scholarly publications that are both relevant to state decision makers and contribute to national dialogue.

The scholarly publications will target top-tier scholarly journals in the social, behavioral, educational, or health sciences and in statistics/psychometrics, and would be written collaboratively with the second post-doc and with other Center faculty and staff.

A second responsibility of the post-doc will be to contribute to and, where appropriate, lead external grant submissions, including with state practice and policy partners.

These external grant submissions will target federal agencies and national foundations, and might fund the Post-Doc's continued work at the Center after the Post-Doc term. The Post-Doc in Social, Behavioral, Educational, or Health Sciences will need to perform duties independently and confidentially and must exercise a high level of judgment and initiative. The Post-Doc must be able to anticipate problems and critical issues as they arise, providing summary information to facilitate timely responses. The Post-Doc must be able to handle correspondence and phone calls professionally and efficiently, including determining appropriate action, and be enthusiastic about working collaboratively with multiple teams. Salary is competitive and commensurate with qualifications, experience, and proven ability. The holder of this position is an employee of the State of Louisiana and as such enjoys a generous benefits package.

Qualifications Preferred (years of experience, education level etc.)
The ideal candidate will possess:
- A PhD in the social, behavioral, educational, or health sciences is required
- Substantive training in child, human, or lifespan development is essential
- Strong quantitative background to support collaborating with statisticians and data scientists
- Exceptional written, verbal, and interpersonal skills
- Demonstrated ability to interact positively with both internal and external constituencies
- Ability to prioritize work with minimal supervision
- Motivated to learn new skills, as needed
- Committed to the mission of the center

Applications should include: 1) a letter that demonstrates the candidate's understanding of the position and how his/her background meets the position criteria; 2) a curriculum vita; 3) three to five references.

How to Apply
https://louisiana.csod.com/ux/ats/careersite/1/home/requisition/1495?c=louisiana

EMPLOYMENT OPPORTUNITY WITH THE UNIVERSITY OF TEXAS AT AUSTIN
POSTING DATE: 10/3/21

Job Title
Open-rank, tenure-track/tenured Professor

FLSA Status (exempt, non-exempt)
Exempt

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

Location (city, state)
Austin, TX

Company Name + Description
The University of Texas at Austin

Position Description
The Department of Educational Psychology at The University of Texas at Austin invites applications to hire an exceptional scholar in the field of quantitative methods with research expertise in areas such as experimental and quasi-experimental design, causal inference, replication, and survey design.

Essential Job Functions
Applicants are expected to have a demonstrated track record of research excellence, including a strong record of refereed publications and a history of extramural funding and/or potential to obtain extramural funding. Applicants should also have a strong commitment to teaching and mentoring with a focus on enhancing equity and inclusion in the field and in practice. As such, the successful candidate is expected to teach and mentor students from diverse backgrounds and advance the College's mission of equity and excellence.

Qualifications Preferred (years of experience, education level etc.)
Required Qualifications for the Assistant Professor Position:
1. Ph.D. in Quantitative Methods, Quantitative Psychology, Statistics, Applied Statistics, or a closely related field earned by August 2022.
2. Potential for scholarly excellence focused on one or more of the following areas of quantitative methods: experimental and quasi-experimental design, and causal inference.
3. Demonstrated potential for teaching excellence.
4. High potential for securing extramural research funding.
5. Ability to teach and mentor students in modern research design (e.g., quasi-experimental design, propensity score modeling, and causal inference), Monte Carlo simulations, and computational modeling.

Required Qualifications for the Associate Professor or Professor Position:
1. Ph.D. in Quantitative Methods, Quantitative Psychology, Statistics, Applied Statistics, or a closely related field
2. Record of scholarly excellence in research as evident in publications in high-quality quantitative methodological journals and focused on one or more of the following areas of quantitative methods: experimental and quasi-experimental design, and causal inference.
3. Record of teaching excellence
4. Record of securing extramural research funding
5. Experience in teaching and mentoring students in modern research design (e.g., quasi-experimental design, propensity score modeling, and causal inference), Monte Carlo simulations, and computational modeling

How to Apply
Applicants should upload the following items to the Interfolio system at http://apply.interfolio.com/95045. Be sure to include the following in your application:
1. Cover Letter with contact information
2. Full C.V.
3. Research Statement that describes your program of research, includes research accomplishments and future research direction
4. Teaching Statement
5. Equity, Diversity, and Inclusion (EDI) statement detailing how your teaching, service, and/or scholarship has or will help to address education and health disparities.
6. Up to 3 representative publications
7. A list of 3 references with contact information. Review of applications will begin October 15, 2021 and will continue until the position is filled.

EMPLOYMENT OPPORTUNITY WITH WESTERN GOVERNORS UNIVERSITY
POSTING DATE: 9/30/21

Job Title
Senior Research Scientist

FLSA Status (exempt, non-exempt)
exempt

Position Status (full, part-time)
Full Time

Location (city, state)
Work from home

Company Name + Description
WGU

Position Description
The Senior Research Scientist plays a critical role in WGU's culture of data driven continuous improvement and progress towards personalizing the experience for each student to optimize their outcomes. The Senior Research Scientist will help WGU achieve our equitable access and attainment goals and improve outcomes underrepresented populations by understanding correlated drivers and the impact different experiences have on individual learners. Research projects may cover faculty interventions, curriculum, policies or other student experiences. The Senior Research Scientist is expected to execute the full life cycle of a study, including conceptualization of an idea, research design, primary data collection, accessing our database to obtain the data, data wrangling, performing the most appropriate quantitative and qualitative analysis and communicating the results through reports and presentations for internal and external audiences. The successful candidate is an effective research scientist with a passion for helping to close the achievement gap. An ideal candidate is also a continuous learner, working to improve their scientific tool kit to have a transformative impact on WGU and beyond.

Essential Job Functions
Plans and executes research projects through design, data collection, analysis, and dissemination. Determines appropriate research methods including implementations studies, qualitative research, secondary data-analysis, quasi-experimental studies, and randomized controlled trials. Collects, combines and cleans data from multiple sources. Analyzes data, using statistical software and techniques. Designs and deploys surveys using software. Produces high-quality, client facing reports and presentations. Represent WGU by presenting at relevant conferences. Develops and maintains a collaborative relationship with all appropriate internal and external stakeholders.

Qualifications Preferred (years of experience, education level etc.)
Minimum Qualifications: Master's degree in related field 5+ years leading research initiatives in learning science, behavioral economics, education psychology or related field Preferred Qualifications: PhD in related field Strong consideration given to candidates sharing a body of large-scale research outputs

How to Apply
https://wgu.wd5.myworkdayjobs.com/en-US/External/job/Home-Office/Senior-Research-Scientist_JR-007987

EMPLOYMENT OPPORTUNITY WITH [THE UNIVERSITY OF MINNESOTA](#)
POSTING DATE: 9/28/21

Job Title
Assistant/Associate Professors

FLSA Status (exempt, non-exempt)
Exempt

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

Location (city, state)
Minneapolis, Minnesota

Company Name + Description
Department of Educational Psychology, College of Education and Human Development, University of Minnesota

---

Position Description
Position Overview: The Department of Educational Psychology in the College of Education and Human Development at the University of Minnesota seeks individuals to contribute to the research, teaching, and service with a primary affiliation within the Quantitative Methods in Education Program. The two positions will begin in Fall Semester 2022 and are expected to be filled at either the tenure-track Assistant or tenured Associate level. We seek scholars who are well-versed in the development and application of statistical methods, measurement, and/or psychometric models in educational research. We are particularly interested in scholars with evidence of, or the potential to develop, a nationally recognized research program that contributes to the interdisciplinary research environment of the Department, College, and University. Further, we seek individuals who have demonstrated commitment to diversity, equity, inclusion, particularly as it relates to ensuring equitable opportunities for those who have been historically marginalized to learn, grow, and thrive across their lifespans. For more information on the department visit: www.cehd.umn.edu/edpsych. Appointment Details: The individual hired will be appointed into a full-time, 9-month

position as a tenure-track Assistant Professor(9403) or tenured Associate Professor(9402). This position will remain open until filled, but the search committee will begin its review of applications on October 22, 2021. The anticipated starting date for this appointment is August 29, 2022, and the salary is competitive and commensurate with experience. The University of Minnesota encourages a healthy work life balance for employees. CEHD is committed to an excellent employee experience, offering a flexible work environment that meets the needs of students, staff, faculty, and the communities we serve. Flexible work arrangements may include flexibility in schedule and/or work location. All UMN employees are expected to follow applicable public health and safety procedures. For more information on flexible work options visit: https://humanresources.umn.edu/work-flexibility/flexible-work-options.

Essential Job Functions
Job Responsibilities: Specific responsibilities include, but are not limited to:
- Research (40%):
  - Develop and sustain a strong and coherent record of scholarship, pertinent to the development and application of statistical methods, measurement, and/or psychometric models in educational settings.
  - Applicants should be committed to securing external funds in support of their scholarly inquiry.
- Graduate Advising and Teaching (40%):
  - Mentor and advise graduate students.
  - Teach graduate-level courses on topics such as Bayesian methods, casual modeling, latent variable models, advanced statistical models, statistical computing, item response models, survey design, cognitive diagnostic models, test development, generalizability theory, equating, performance assessment, and/or score reporting for educational research. Course assignment(s) will build on the individual's areas of expertise and research
- Service (20%):
  - Participate in department, college, university, and other outreach and public engagement activities, including service on internal committees or task forces, and making presentations to external constituencies.
  - Participation in the activities of relevant professional organizations in quantitative methods in education is expected.

Qualifications Preferred (years of experience, education level etc.)
Required qualifications:
- An earned doctorate in educational psychology, psychology, statistics or a related field with emphasis in quantitative methods.
- Preparation, training, and experience focused on the development and application of statistical methods, measurement, and/or psychometric models in educational research, or other settings (e.g., nonprofit organizations, think tanks, industry).

For applicants at the Associate level:

- Evidence of a strong and well-established programmatic line of research and resultant research productivity in the form of peer-reviewed publications, conference presentations and other relevant research products (e.g., book chapters).
- Research in educational settings is preferred.

Preferred qualifications:
- Demonstrated ability to work collaboratively and collegially in department, college, university, and community service and governance.
- Demonstrated ability to engage in interdisciplinary research.

For applicants at the Associate level:
- Higher education teaching and student advising experience at the graduate level.
- Experience teaching courses on test/survey development, measurement theory, and the application of statistical methods and/or psychometric models in educational research.
- Experience working with diverse student populations or doing work in diverse communities.
- Established record of securing external sponsored funds.

How to Apply
Applications must be submitted online: https://humanresources.umn.edu/content/find-job. To be considered for this position, please click the Apply button, search for Job Opening ID 343491, and follow the instructions. You will have the opportunity to complete an online application for the position. After clicking submit, return your application through the "My Job Applications" page and upload your documents into the "My Cover Letters and Attachments" section. This position requires that you upload the following documents to be fully considered for the position:
1. a cover letter addressing qualifications
2. a diversity statement
3. a research statement
4. a teaching statement
5. representative preprints
6. a curriculum vita, and
7. three reference letters.

To request an accommodation during the application process, please e-mail employ@umn.edu or call (612) 624-UOHR (8647).

EMPLOYMENT OPPORTUNITY WITH EDUCATIONAL TESTING SERVICE
POSTING DATE: 9/27/21

Job Title
Research Scientist - Fairness, Equity, Validity

FLSA Status (exempt, non-exempt)
Exempt

Position Status (full, part-time)
full time

Location (city, state)
Princeton, NJ

Company Name + Description
Educational Testing Service

Position Description
Educational Testing Service (ETS), with headquarters in Princeton, NJ, is a global not for profit organization whose mission is to advance quality and equity in education. With approximately 2,500 global employees, we develop, administer and score more than 50 million tests annually in more than 180 countries at more than 9,000 locations worldwide. Our testing populations include students in K-12, applicants to undergraduate and graduate programs, prospective teachers and individuals seeking employment in a range of industries around the world. Our Center for Equity is seeking a passionate Research Scientist committed to issues of social justice to join a team of researchers specializing in special education, school psychology, measurement, statistics, evaluation, economics, and policy research on exploring test fairness, especially with respect to emerging technologies; and examining issues of access and equity in education. The Center will play a leading role in designing, developing and evaluating the next generation of socio-culturally responsive assessments. In this key position you will conceptualize, propose, direct, and collaborate on projects and, when appropriate, seek external funding for research. The Research Scientist will be part of a team investigating approaches to reducing inequities in learning opportunities and outcomes, contributing to new knowledge and capability, and applying that new knowledge and capability to improve ETS products and services. We offer a competitive salary, comprehensive benefits, and excellent opportunities for professional and personal growth. For a full list of position responsibilities and to apply please visit the following link: https://bit.ly/2XTZeMM EDUCATIONAL TESTING SERVICE requires all new hires to either certify that they have been fully vaccinated or request and obtain an exemption due to medical or religious reasons by their start date. EDUCATIONAL TESTING SERVICE is an Equal Opportunity and Affirmative Action Employer of Women and Minorities. EDUCATIONAL TESTING SERVICE is an Equal Opportunity and Affirmative Action Employer of protected Veterans and Individuals with Disabilities. EDUCATIONAL TESTING SERVICE is a Drug-free workplace.

Essential Job Functions
Specific Responsibilities:
- Develop and implement an innovative research agenda in one or more areas of Center focus on fairness, equity, validity or efficacy in learning and assessment
- Collaborate with teams of external and internal ETS researchers on activities that advance ETS's research and assessment programs and services
- Manage research projects, involving staff assignment and scheduling, budgeting, acquisition and utilization of equipment and interaction with other areas of R&D
- Document and disseminate the research results in a variety of outlets
- Lead or participate in efforts to seek external research funding
- Provide ongoing thought leadership to testing programs, R&D management, or other ETS management concerns
- Develop external professional relationships; become involved in one or more activities sponsored by relevant professional organizations

Qualifications Preferred (years of experience, education level etc.)
Requirements:
- A Ph.D. or Ed.D. in Education, Psychology, Sociology, Political Science, Economics, Educational Measurement, Quantitative Psychology, or a related field is required.
- At least five years of progressively independent research experience.
- Demonstrated expertise and record of conducting research related to one or more of the following:
    - Fairness and equity in learning or assessment
    - Fairness research in AI and digital assessment methods
    - Validity research in learning or assessment
    - Experimental and quasi-experimental design as applied to intervention studies related to education and assessment

How to Apply
https://bit.ly/2XTZeMM

EMPLOYMENT OPPORTUNITY WITH COLUMBIA UNIVERSITY
POSTING DATE: 9/23/21

Job Title
Assistant or Associate, tenure-track/tenure Professor

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

Position Status (full, part-time)
full time

Location (city, state)
New York, NY

Company Name + Description
Teachers College, Columbia University

Position Description
(Assistant or Associate, tenure-track/tenure) Professor, Applied Statistics Program Teachers College, Columbia University Job no: 509009 Position type: Faculty Location: New York Categories: Other, Research Rank: Assistant or Associate Professor, tenure-track/tenured Position: The Department of Human Development invites applications for Assistant or Associate Professor in Applied Statistics in the Measurement, Evaluation, and Statistics program at Teachers College, Columbia University. We seek applicants with research interests in any area of applied statistics, but preference will be given to those who can conduct research on statistical methods and/or applications in the fields of Education and/or Psychology.

Essential Job Functions
Responsibilities: Develop and maintain an active program of research in statistics. Teach courses in the core program, such as Applied Regression. Manage students in the Master of Science program in Statistics as well as Doctoral students in Measurement, Evaluation, and Statistics and other departmental programs (Cognitive Science, Learning Analytics, Developmental Psychology).

Qualifications Preferred (years of experience, education level etc.)
Qualifications: An earned doctorate in a field such as Statistics, Psychometrics, Quantitative Psychology, Biostatistics, or another closely related area. Potential to establish a robust program of research, or having an established program, and evidence of teaching experience. The search committee is especially interested in candidates who, through their research, teaching, and/or service, will contribute to the diversity and excellence of the academic community. Scholars from all backgrounds and perspectives with a commitment to diversity and inclusion are encouraged to apply.

How to Apply
Applications should include a cover letter, curriculum vitae, a brief statement of research and teaching interests, up to three relevant publications or papers, evidence of effective teaching, and any additional supplemental material. In addition, please provide the names and email of three people who are willing to provide a letter of reference. Questions may be sent to Professor Lawrence T. DeCarlo, Chair of the Search Committee, decarlo@tc.edu Search Timetable: Review of applications will begin October 1, 2021 and will continue until the search is completed. Appointment begins September 2022. Applications close: 31 May 2022 Eastern Daylight Time To apply for the position, please visit: https://apptrkr.com/2512392