Data Researcher: Education Measurement

About CGI

CGI (earlier known as Gray Matters India, GMI) is a leading educational assessment and impact evaluation company that enables child-centric education by providing child-specific diagnoses of learning levels and by providing actionable feedback to regularly monitor a child's development. We provide large scale educational assessments and program evaluation solutions to bilateral and multilateral aid agencies, corporate philanthropic foundations, federal and state governments, implementers, and private schools. Some of our clients and partners include British Asian Trust, Deshpande Foundation, Government of Haryana, Kaizenvest, Michael & Susan Dell Foundation, Palladium International, UBS Optimus Foundation, USAID, to name a few.

CGI works with students from lower-income communities in Government schools and Affordable Private Schools (APS). CGI has worked with 10,000+ schools, 15,00,000+ students across India and aspires to impact more than 50,000 schools, 30 million students and 100,000 teachers in the next 5 years. CGI currently develops assessment tools using modern measurement techniques (like Item Response Theory and Rasch Modelling) and contextualize the assessment methodology for Indian schools. For more information, please visit https://www.convegeniusinsights.com/

CGI is part of ConveGenius (CG) group, an EdTech social enterprise driven to solve the challenge of educational equity and learning outcomes for children and youth in India. Currently, it reaches to over eighteen million students in India to provide them access to quality education through their EdTech solutions.

Role Summary

ConveGenius Insights (CGI) is seeking an ambitious professional with a result-oriented approach to join our growing Research & Analytics Team as a Data Researcher. The person in this position will strategize, design, plan, implement and analyse the research of complex nature in the field of Education. You are a researcher, a statistician, a data analyst, an educationist, who has at 2-6 years of experience in quantitative data analysis preferably in Psychometrics.

We are open for suitable candidates who can work from any other location in India currently. However, they must be willing to relocate to Delhi NCR or Hyderabad, if the need arises or if their work requires constant supervision and monitoring. This will be done whenever current COVID conditions become stable or open for relocation.

Tasks & Responsibilities

- Work on quantitative data analysis for programme evaluation/learning outcome assessment to present study findings and derive actionable insights.
- Measure learning outcomes of students using statistical methods such as Item Response Theory.
- Design study approaches for different contexts of Assessments.
- Design sampling strategies for a given study.
- Develop appropriate data structures and analytical frameworks based on the study design.
- Document study findings and draft the impact assessment reports.

Education & Experience

- Master's degree in any of the following areas: psychometrics, educational measurement and evaluation, statistics, assessment, economics, policy, learning theory or related field or a PhD in education, statistics, or a related area
- Understanding of quantitative data analysis and proficiency with one or more statistical software packages (e.g., R, Conquest, STATA, or any similar tool). Proficiency in advanced analysis and data handling in MS Excel would be an advantage.
- At least 2 years of full-time related work experience in data research related to education, preferably within the field of educational assessments

Competencies

- Experience in one or more of the following areas: quantitative research methods, qualitative research, longitudinal analyses of student learning outcomes
- Knowledge of research design, causal inference, sampling, reliability, validity & generalizability threats
- Proven expertise in implementing Item Response Theory (preferably Rasch Model)
- Knowledge and ability to navigate tensions between theoretical purity and practical constraints in both psychometric and educational research.
- Ability to work independently and communicate pro-actively and professionally with customers and within the organization.
- Demonstrated commitment to quality and innovation

Work Environment

CGI's work culture is entrepreneurial and results oriented. CGI team is diverse with people from multiple backgrounds like education, business, engineering, development with varied experiences. The entire team at CGI comes together for one purpose, which is to make a significant impact on the quality of education by providing actionable insights.

Compensation

A competitive Indian salary and benefits package will be provided commensurate to education and experience.

Application

Write to **nitya@convegenius.ai** with your resume and with a write-up on how your experience is suitable for this role. Mention the subject of the email as "Job Application – Data Researcher: Education Measurement." Please note, only shortlisted candidates will be contacted or reverted.