Insight Policy Research, Inc. (Insight), a rapidly growing, dynamic, small research and evaluation organization, is seeking a Programmer/Analyst to join our team. We are a well-established small business, having provided nationally recognized research and evaluation services to federal, state, and private sector clients since 2001. Our focus is on issues affecting at-risk and vulnerable populations. Headquartered in Arlington, Virginia, we conduct research in the areas of education, health, nutrition, and family support services. For further information, including the types of studies we conduct, please visit our website: www.insightpolicyresearch.com.

Position Summary

The essential functions of this position include developing programming code to manage and conduct statistical analyses on large and complex datasets and conducting exploratory data analytics and statistical inference based on these datasets. The Programmer/Analyst will work on data management, programming, statistical analysis, visualization, and reporting tasks within several simultaneous projects. The work will focus primarily on education topics, with the potential to explore different themes across the company. Candidates **must have at least 3 to 5 years of experience** in a statistical programming language such as SAS, STATA, or R for the policy research field, with some of that experience being in education research**.** Expertise in a general programming language such as C#, Java, Node, or Python is desired but not essential. Candidates should have excellent attention to detail, exemplary time management skills, and a spirit of generosity.

Responsibilities

- Lead programming tasks for projects that require analysis of secondary or survey data, including managing data, cleaning data, developing code for advanced statistical analyses, maintaining existing programs and documentation, and conducting quality control checks

- Review large datasets for patterns and anomalies

- Move and combine datasets from different platforms; clean and aggregate data; analyze, visualize, and interpret data

- Create and document derived variables, combining data from multiple sources

- Guided by researchers, apply standard statistical and/or data management software packages to select relevant predictive variables; specify statistical models; and estimate statistical models

- Develop and maintain SAS programs, macros, and apps for internal use and to deliver to external clients

- Compute descriptive and inferential statistics and confidence bounds

- Keep abreast of best practices in programming and apply them to our work

▶ Contribute to project reports, briefs, and other manuscripts

Qualifications

▶ Three to 5 years of research/policy or private sector consulting experience as a programmer

▶ Bachelor's degree in computer science, quantitative social/life science, or related field

▶ Extensive experience managing data with SAS, STATA, or R

▶ Strong attention to detail and ability to perform quality control checks

▶ Good verbal and written communication skills along with strong organizational skills and the ability to handle multiple projects simultaneously and manage competing deadlines

▶ Ability to work independently and in a team setting

▶ Some experience implementing advanced statistical techniques

▶ A working knowledge of education programs of the agencies of the U.S. Department of Education and/or experience working with educational datasets, such as HSLS, ATES, PIAAC, etc.

Contact

EEO: All candidates will be considered without regard to race, color, religion, sexual orientation, national origin, age, disability, or genetic information.

Contact: No phone calls please. Send resume/CV and a writing sample via email or postal mail to—

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