IMAGINE

Statistical Programmer Analyst

About Imagine

Imagine exists to demonstrate that children with personalized technology in their hands can become literate and numerate with little or no adult instruction. More than 250 million children and youth worldwide do not have access to school. And hundreds of millions more go to school but never learn to read or write. We believe we can work with schools and communities to address these seemingly intractable problems.

We are partnering with organizations across the globe to pilot promising child-centered, technology-enabled learning solutions. We will build an evidence base on what works, why, and under what conditions. We will use data to continuously improve content, approach, and implementation. Then we will provide tools, expertise, capital, and a network to enhance the ability to scale. We envision a world where all children have access to opportunity. Demonstrating the effectiveness of technology-enabled learning, beginning in places with no alternatives, can pave the way for limitless possibilities for all children.

Candidate Profile

The Statistical Programmer Analyst will play an instrumental role in carrying out Imagine's mission. The successful candidate will have the opportunity to help pioneer a new body of work; build an understanding of the impacts of child-centered, technology-enabled learning; and translate data and research to support the scaling of successful strategies. The Statistical Programmer Analyst will join a small and talented team that is working together to empower every child, everywhere to achieve their full potential.

Key Responsibilities

The Statistical Programmer Analyst will be a critical member of Imagine's research team, working closely with the Senior Director for Measurement & Evaluation and Research Analyst to conduct studies of child-centered, technology-enabled learning, starting in sub-Saharan Africa. The studies rely on multiple sources of data, including pre- and post-assessments of children's learning, tablet-generated usage data, and qualitative data from interviews and observations. The Statistical Programmer Analyst will bring strong technical statistical programming leadership and careful execution to data planning, collection, preparation, and analysis, and will have the opportunity to contribute to report writing and publication. The Statistical Programmer Analyst will be responsible for developing Stata code and report templates for preparing, processing, and analyzing field data to ensure data quality. The Statistical Programmer Analyst will design and develop single and cross-study datasets for internal and future public use.

Qualifications

The successful candidate will possess the following competencies, experiences, and qualities:

Education and Experience

- A Bachelor's degree in computer science, mathematics, statistics, or a related field, plus a minimum of 3-5 years of relevant work experience is required. Additional work experience and/or education are welcome.

Required Skills

- Exceptional statistical programming analysis skills, including the following:
    - Familiarity with education data.
    - Facility using Stata statistical software required.
    - Familiarity with relational database software (such as SQL) preferred.
    - Developing clear, structured and well-documented code for preparing, processing, managing, and analyzing data.
    - Developing datafile structures and specifications.
    - Preparing and processing administrative and/or field data (distinct from working with prepared datafiles), including consolidating and reconciling data and constructing data analysis files.
    - Preparing and processing large amounts of data.
    - Developing data quality control processes and protocols.
    - Experience with or interest in analyzing data using a variety of statistical techniques.
    - Preparing and processing educational assessment data (preferred).
    - Experience with or interest in research writing (preferred).
- Successfully achieves work objectives through planning, project management, and technical skills.

Qualities

- Passion for Imagine's mission and vision.
- Passion for data and quantitative research.
- Equanimity in the face of messy data.
- Exceptional attention to detail.
- Demonstrated ability to think independently and recommend technical approaches.
- Willingness to learn new methods and statistical techniques as needed.
- Collaborative team player; clear and proactive communicator.
- Flexible, adaptable, and able to work in a fast-paced, changing environment.

Compensation & Benefits

Salary is competitive and commensurate with experience. Position title is flexible and commensurate with experience.

Location

Imagine is based and has an office in a coworking space in San Francisco, CA. Imagine staff generally work from home and meet weekly in person or by video conference. Staff have the option of working in the coworking office.

How to Apply

Please submit a resume and cover letter to Kristen Stipe at careers@imagineworldwide.org. In the subject line of your email please write, "Your Name: Statistical Programmer Analyst Position." The deadline to apply is October 15th. Applications will be reviewed on a rolling basis.

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Imagine Worldwide is an equal opportunity employer. All applicants will be considered for employment without attention to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran or disability status.