

Impact Genome Project® Statistical Analyst

Background

Mission Measurement – a world leader in measuring social outcomes – has set out to transform the way companies, governments, foundations and nonprofits create social change. Through our Impact Genome Project® (IGP), we will be bringing predictive analytics and performance benchmarks to the social sector for the first time at scale. With this data, the sector can make informed decisions about what investments will create the most change and how to best optimize the trillions of dollars our sector spends each year.

Please see our IGP introduction video here: <http://www.missionmeasurement.com/introducing-the-impact-genome-project/>.

How will we do it? For each area of social policy – e.g., education, public health, economic development, human services, etc. – the IGP creates new higher value data by systematically structuring and analyzing three primary data sources:

- All existing evaluations and academic studies that have measured the impact of social programs
- The knowledge of experts who study and design social programs
- The experience of practitioners who implement social programs

A key innovation is in our unit of analysis. We analyze this data to uncover and weight which program “genes” – i.e., the activities that comprise an intervention – are most effective. This enables us to break down any social program into its component parts and evaluate it vis-à-vis the entirety of the existing evidence base. By doing this, the IGP will enable the sector to: predict the efficacy of a program before it is funded; develop benchmarks so we know “what good looks like” when it comes to program impact; build nonprofit capacity to improve their programming; and help researchers understand what’s been studied and what novel theories of change need to be better understood.

In the end, we will have organized all existing evidence in a way that creates meaningful intelligence for decision makers seeking to maximize the social impact of any government program, charitable grant, social program, sustainability effort, and corporate social responsibility initiative.

Role Description

Mission Measurement is hiring a **Statistical Analyst** to play a critical role in structuring the unstructured data that informs the IGP evidence base. This is a unique part-time or full-time opportunity for individuals with strong experience in statistics interested in helping the social sector translate decades of research into practical program applications that create breakthrough impact of social programs – and ultimately solve social problems.

Responsibilities

- Standardize effect statistics reported in social science articles (evaluations, academic studies, etc.) to enable cross-study analyses
- Serve as a statistics subject matter expert to “non-technical” Research Analysts, answering questions related to statistical techniques applied in the research literature (e.g. identifying research designs, interpreting results, identifying threats to the validity of reported results, etc.)
- Structure and prepare datasets – coming from the literature analysis or from surveys to experts & practitioners – for analysis by our data science team; qualified and interested Statistical Analysts may be asked to support the data science team in their analyses
- Perform literature reviews of primary research studies, program evaluations, and meta-analyses to identify and code key details about the social interventions studied, including:
 - Key program activities of the intervention
 - Target outcomes and outcome measures
 - Context variables, such as population characteristics and geography
 - Research design and quality
 - Other relevant variables as determined with the IGP Research Director
- Execute each of the above in a manner that is consistent with Impact Genome Project® protocols

Qualifications

- Required
 - Masters degree in statistics, public policy, or related field
 - Ability to quickly identify, interpret, and standardize a myriad of social science statistics
 - Experience cleaning and structuring complex datasets
 - Rigorous attention to detail
 - Ability to work both independently and with teams
 - Ability to teach basic statistics principles to others
- Preferred
 - 1-2 years of research experience in the social sciences, public policy, or related field including research design, literature reviews, coding, and data analysis and synthesis
 - Experience in reviewing and interpreting program evaluations
 - Experience structuring unstructured data
 - Experience with survey research
 - Experience with statistical software
 - Strong organizational skills and documentation skills
 - Strong written and verbal communication skills

If interested, please send thoughtful cover letter and resume to Hiring Coordinator at impactgenome@missionmeasurement.com.