

POSITION DESCRIPTION

Title: Research Scientist

Responsible to: President

Location: Washington, DC Metropolitan Area

ISciences, L.L.C. is a Michigan based limited liability corporation founded in 1997 with offices in Ann Arbor MI, Burlington VT, and Washington, DC. We believe in the power of evidence based analysis to understand vulnerabilities and achieve sustainability in a rapidly changing world. Our core strength is the ability to integrate expertise in the physical sciences, the social sciences, and information technology to solve our customers' problems.

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Summary of Position:

The Research Scientist in this position will use quantitative analytical techniques to assess the military posture of foreign adversaries and evaluate potential social, technical, economic, environmental, and political correlates to changes in military posture.

Duties:

1. Develop sophisticated analytical methods to identify significant anomalies in the military posture of foreign adversaries.
2. Develop sophisticated statistical models to predict significant changes in military posture using advanced analytic methods such as ordinal logistic regression, copulas, LASSO/elastic nets, bootstrapping, and k-fold cross validation using R and related software packages.
3. Integrate data from a variety of sources, formats, and disciplines into coherent databases.
4. Write compelling documentation and analytical reports for decision makers.
5. Other duties as assigned.

Qualifications:

1. Recent Ph.D. or Master degree with 5 or more years of relevant work experience in international relations, political science, environmental science, computer science, mathematics, statistics, or related discipline.
2. Demonstrated interest and ability to present complex quantitative information in compelling written and oral form.
3. Demonstrated interest in international relations and strategic national security issues.
4. Demonstrated ability to integrate data from a variety of sources, formats, and disciplines into coherent databases..
5. Demonstrated ability to develop sophisticated statistical model using R and related software packages.
6. Demonstrated interest and ability to create software programs to perform operations that are not directly supported in industry standard software packages.

Compensation: Competitive salaries and benefits, with flexible work schedules.

TS/SCI Clearances Required
ISciences is an Equal Opportunity Employer