

POSITION DESCRIPTION

Title: Research Scientist

Responsible to: President

Location: Washington, DC Metropolitan Area

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Summary of Position:

The Research Scientist in this position will use quantitative analytical techniques to assess the behavior of foreign adversaries and evaluate correlations with other variables.

Duties:

1. Develop analytical methods to identify significant anomalies in the military posture of foreign adversaries.
2. Develop 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. **TS/SCI clearances (with polygraph) required.**
2. 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.
3. Demonstrated interest and ability to present complex quantitative information in compelling written and oral form.
4. Demonstrated interest in international relations and strategic national security issues.
5. Demonstrated ability to integrate data from a variety of sources, formats, and disciplines into coherent databases.
6. Demonstrated ability to develop statistical models using R and related software packages.
7. 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.

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