CYBER RISK ANALYTICS

About Us

Rising Sun Advisors, LLC is a boutique management consulting firm based in Washington, DC that excels in human-learning based solutions, operating at the intersection of Business and Cyber Security.

Cyber Risk Analytics Capability

Our statistical experience and capabilities extends far beyond these examples.
As consultants, we are well-versed in developing specific methodologies tailored to your cyber objectives for each engagement, and advising clients on specific ways to improve their processes.

RISING SUN ADVISORS
Effective Insight. Actionable Intelligence.
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Capability Overview

We specialize in applying and consulting on traditional analytical and statistical methods and models to Cyber Security & Information Risk challenges by employing a broad [open-source] toolkit of approaches to facilitate our work - examples below. We compliment vertical depth from industry (financial services "quants", health scientists, etc.) with cyber security expertise across strategic, operational and technical layers to ensure integration with organization's business.

Rising Sun's Cyber Security Analytical & Statistical Capability Approach
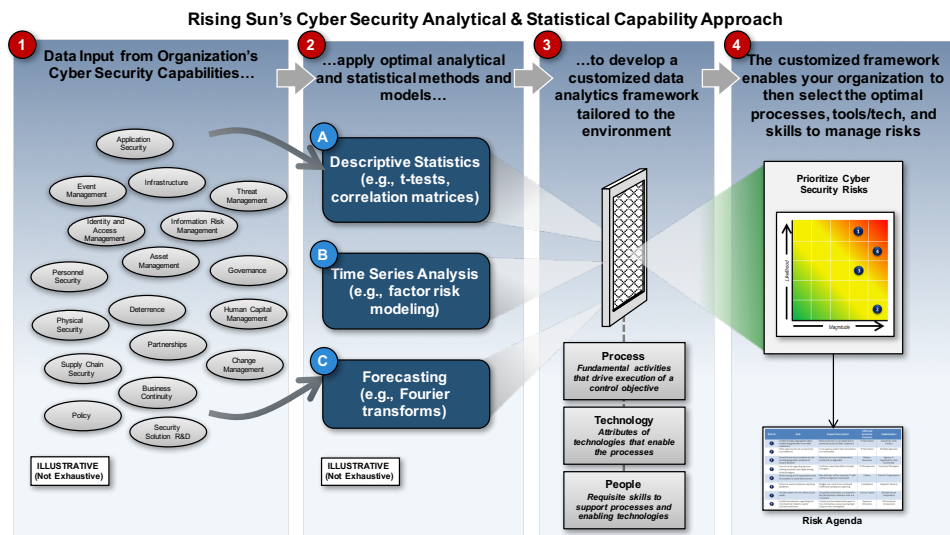
Descriptive Statistics

We draw on a wealth of experience over a wide range of statistical applications to offer consultative input on descriptive statistics and data visualization initiatives. We regularly employ a variety of descriptive statistical methods in our work, including t-tests, correlation matrices, and variance analysis. We also have experience with advanced methods like clustering (including hierarchical and k-means clustering), which can aid in describing complex, multi-variate data sets.

Time Series Analysis

Our analysts are familiar with a wide array of time series analytical techniques, and experienced at evaluating analyses and offering recommendations for improvement.
Our essential appraisal tools include a variety of regression methodologies, including multivariate and non-linear techniques. We also have experience with factor risk modeling and principal component analysis (PCA), which helps us evaluate and build powerful tools for describing the drivers and variability of a time series (e.g., using time series analyses to track 'normal' cyber behavior and trends, and identify unusual activity).

Forecasting

We also have experience extending time series analyses to generate future projections through a variety of forecasting techniques, from autoregressive integrated moving average (ARIMA) and autoregressive moving average (ARMA) models, to harmonic regression and Fourier transforms. We apply our experience to help clients optimize their forecasting methodologies to leverage the latest and most effective tools available (e.g., using forecasting methods to "forecast" data movement across platforms and/or regions).