

# SYSTEMS AND TECHNOLOGY GROUP

## Analytics and Statistical Solutions



*Bowhead is a proven provider of industry best Sampling, Statistical, Mathematical, and Computational support to Department of Transportation, Department of Defense and other Federal Government agencies.*

Bowhead is a Small Business Administration-certified 8(a) Alaska Native Corporation (ANC). As a small disadvantaged business (SDB) and 8(a), Bowhead is eligible for Direct Award Contracts (DAC). We can provide a DCAA/DCMA audited accounting system.

Bowhead's Modeling and Simulation division's mission is to provide services and design products that balance or optimize the physical, cognitive, sociological and psychological impacts of an engineered system on the people who use or interface with the system. Our business philosophy is based on integrity and delivery of the highest quality services and products that add value to our customers' organizations.

### Analytics and Statistics Support Services

The Bowhead Analytics and Statistics Support Services team of advanced level statisticians have expertise in providing solutions to problems that organizations face from the data collection stage to decision making. The team tailors sample survey methods to specific scenarios, as well as assuring quality data is deliverable for sound decision-making. Our statisticians offer reliable data driven solutions by applying advanced statistical and mathematical tools implemented through advanced computational methods. Developing models for predictive purposes is our premier skill to aid managers who need to plan for uncertainties and arrive at sound decision making. Bowhead statisticians are adept in using state-of-the-art visual analytics and Geospatial Information Systems tools to develop tailor-made dashboards.

### Capabilities

- Sample Survey Solutions
- Sample Design Solutions
- Data Collection
- Data Compilation
- Statistical Analysis
- Visual Analytics
- Computer Programming
- Data Modernization
- Data Analytics
- Mathematical Modeling
- Statistical Modeling
- Data Modeling

### Certifications

- CMMI Level III Appraised (Services and Software Development)
- ISO 9001:2015 Registered
- ISO 20000.1:2011 Certification
- Certified Business Continuity Vendor and ITAR — International Traffic in Arms Regulation Export License

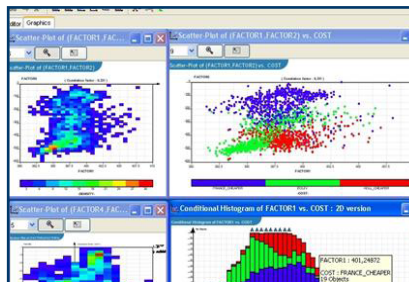
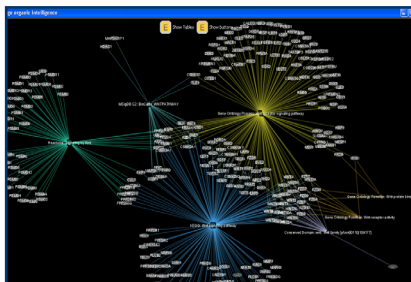


**CMMISVC / 3<sup>SM</sup>**  
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## Spectrum of Services

Bowhead's Analytics and Statistical Solutions statisticians use top-notch applications and platforms to design and conduct sample surveys, descriptive, exploratory data analysis, data mining, univariate and multivariate statistical analyses of the data ranging from experimental data to sample survey data to large databases.

We perform statistical analyses of the data to determine usability and relevance of data, as well as to understand which data models are most efficient for reliable prediction and forecasting. We also provide summaries and statistics that can serve as benchmarks for future performance. Last but not least, we produce excellent dashboards for our clients which point them in the direction of success.



## Experience

Five plus years of experience in sample survey design, data collection, modeling, and analysis aid to many federal government agencies with special reference to Department of Transportation, Department of Defense.

## Analytics and Statistical Solutions Support Services

- Bowhead's Analytics and Statistical Solutions Team is A Professional Services and High Technology Firm Which Offers A Broad Spectrum of Services.
- Bowhead Provides Analytical Solutions by Using A Variety of State-of-the-Art Tools Ranging From Data Analytics and Mathematical/Statistical Modeling to Sample Survey Methods and Data Mining.
- Comprehensive Statistical Analysis System (SAS) Programming Services and Support in Analyzing Data and Reporting Trends and Patterns in the Data.

## Contacts

### Vice President of Operations, Systems and Technology Group

Cary Randolph

850.484.6970 Office

850.384.9639 Cell

Cary.randolph@bowheadsupport.com

### Program Manager

Bill Bentley

443.591.4149 Cell

William.bentley@bowheadsupport.com

### Technical Director

Santokh Singh, Ph.D.

703.472.7856 Cell

Santokh.singh@bowheadsupport.com