numetric™

TRAFFIC SAFETY ANALYTICS PLATFORM:

Accelerating Data Search, Exploration, Analysis, and Sharing for Traffic Safety

Data tools and processes are often too slow and cumbersome to keep up with the demands of data-driven safety analysis, but Numetric is providing a solution that can unchain data to rise to this challenge.

THE PROBLEM: SILOED, MISSING, OR UNUSABLE DATA

To become truly data-driven, traffic safety organizations must be able to combine and visualize many different types of data — full-text, attribute, spatial, relational, etc. — together. However, a host of barriers stand in your way:

- **Data silos:** Different data types often reside with different groups under different owners within and outside of your organization.

- **Manual data integration:** Even if you can get your hands on the data, manually joining multiple datasets together in spreadsheets or other tools can take days or weeks, depending on the type of analysis being performed.

- **Missing or unusable data:** Unfortunately, critical datasets are often inconsistently formatted, corrupted, or missing altogether.

- **Difficult-to-use tools:** The software used to query data is often so non-user-friendly that many would rather get a resident expert to pull the data for them, rather than use it themselves.

These four factors converge to prevent your agency from performing data-driven safety analysis on all projects and hamper consensus on critical resource investments.

THE SOLUTION: ONE PLACE FOR CONNECTING, INTEGRATING, AND ACCELERATING DATA

Numetric's cloud-based, off-the-shelf, configurable Traffic Safety Analytics Platform lets agencies pull all data types from various systems into one place where data can be completed, formatted for consistency, joined with other datasets, and translated into intuitive natural language. Having gathered together and standardized all your data, the platform sets a much-needed baseline for your organization and then continues to enforce consistency and correct errors as new data comes in.

The result is a data search and visualization experience that is reliable, instantaneous, and easy enough for any user of any skill level — an experience that can be enjoyed in all of Numetric's applications.

Traffic Safety Analytics Platform Features

- Assigning of data groupings, asset proximities, and countermeasures
- Ongoing QA/QC processes
- Data contradiction resolution
- Instantaneous, natural language search
- Fully integrated visualizations

"Numetric is great because they don't force you to change your data to work with their products. Numetric takes the data we already have and makes it work with their tools."

SCOTT JONES

Director of Data, Technology & Analytics
Utah Department of Transportation

THE BENEFITS: ELEVATED PERFORMANCE FOR TRAFFIC SAFETY AGENCIES

Numetric's cloud-based Traffic Safety Analytics Platform lets you combine, search, visualize, and share all your data types — full-text, attribute, spatial, relational, and more — together in one place. The result is a traffic safety analytics experience that is fast and robust enough to keep up with the data-driven aspirations of today's traffic safety organizations and their stakeholders.
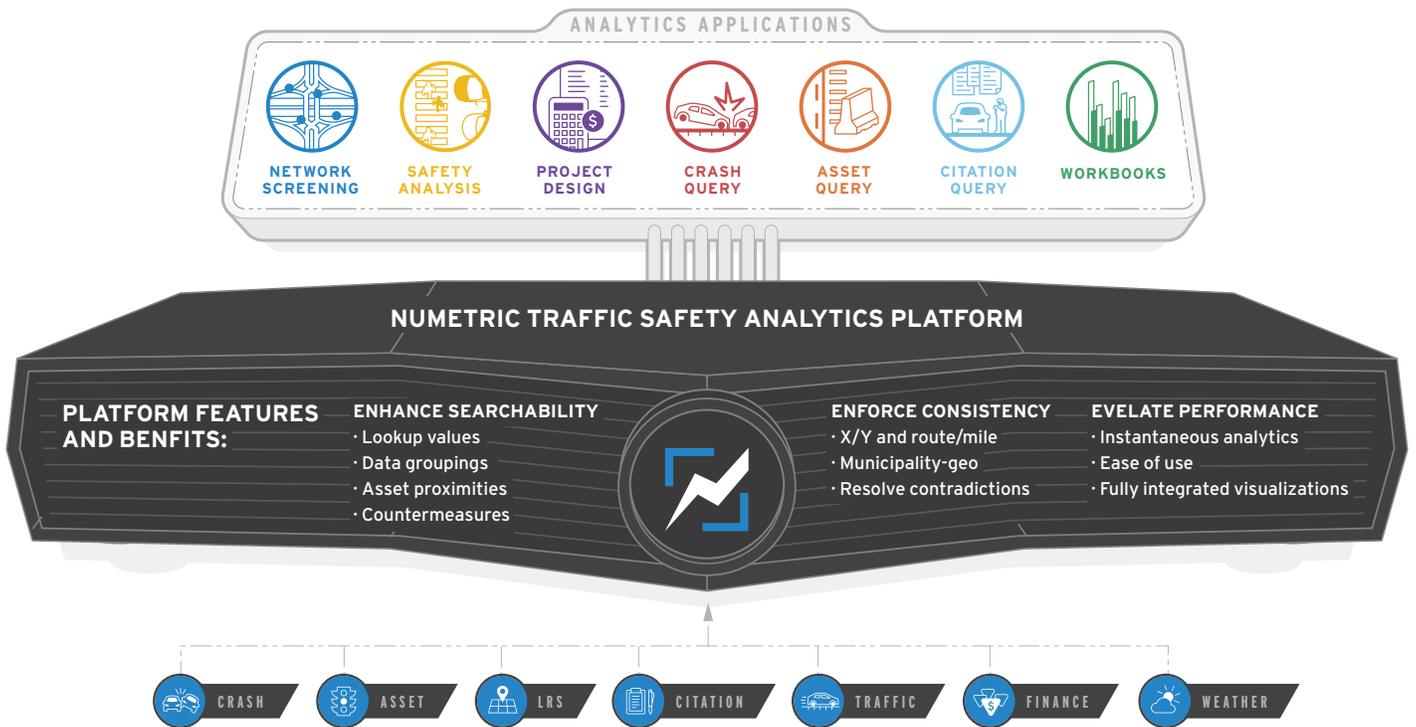
Enhancing searchability

After setup, the platform automatically integrates your different datasets, so you don't have to. It also translates numbers and codes into the kinds of language humans naturally use to search for the information they need. It assigns lookup values, data groupings, asset proximities, and countermeasures to the existing and incoming data. This frees your team and stakeholders from hours of manual queries and analysis and lets you explore the data in full with the ease of a Google search.

Enforcing consistency

Because the quality of your decisions hinges on the integrity of the data, our platform focuses on data consistency, performing regular QA/QC processes on incoming datasets, identifying potential data contradictions, and recommending fixes to resolve those contradictions. As a result, you can always rely on your data to deliver the insights that will maximize your organization's safety ROI.

Elevating performance

When your team can explore data, perform complex analysis, and produce reports with ease — in mere minutes — time, tools, and siloes are no longer a barrier. You are empowered to be fully data-driven in your mission to reduce and eliminate traffic fatalities and injuries.

ANALYTICS APPLICATIONS

NETWORK SCREENING · SAFETY ANALYSIS · PROJECT DESIGN · CRASH QUERY · ASSET QUERY · CITATION QUERY · WORKBOOKS

NUMETRIC TRAFFIC SAFETY ANALYTICS PLATFORM

PLATFORM FEATURES AND BENFITS:

ENHANCE SEARCHABILITY
· Lookup values
· Data groupings
· Asset proximities
· Countermeasures

ENFORCE CONSISTENCY
· X/Y and route/mile
· Municipality-geo
· Resolve contradictions

EVELATE PERFORMANCE
· Instantaneous analytics
· Ease of use
· Fully integrated visualizations

CRASH · ASSET · LRS · CITATION · TRAFFIC · FINANCE · WEATHER

"Numetric lets us take a data-driven approach to making our roadways safer. The platform helps us not only see the data, but act on it."

JOSEPH WEISS

Transportation Safety Analyst
New Jersey Division of Highway Traffic Safety

Unlocking the power of your data to save lives

With our off-the-shelf, configurable Traffic Safety Analytics Platform and our suite of purpose-built applications, Numetric is dedicated to empowering you to achieve greater confidence and consensus around resource investment decisions and save more lives on your roadways. To see how we can empower you, **request a custom demo at numetric.com.**