Statistica 13.2 is Built for Citizen Data Scientists
Enhanced functionality enables a broader scope of business users to overcome traditional analytics challenges and bring value to your organization.

BENEFITS

- Empowering your citizen data scientists mitigates hiring risk because they are already familiar with your business, and they require only targeted training to use Statistica.

- Time-to-value decreases when citizen data scientists take advantage of pre-built data prep Statistica functions and reusable wizards. They can develop even advanced analytic algorithms with no knowledge of SQL or databases in order to handle critical front-line issues.

- Citizen data scientists increase efficiency and agility because they can perform autonomously and reduce the analytics burden traditionally placed on centralized data experts and IT resources.

- Citizen data scientists can better enable analysts, knowledge workers, managers, and executives to collaborate more effortlessly through interactive dashboards and visualizations.

Citizen data scientists typically have a deep understanding of their business and a penchant for analytics. They are not mathematicians.

The growing availability of—and demand for—useful data in the workplace has rendered obsolete many previous methods of data management. Data centralization has become a bottleneck for storage, access, analysis, and reporting. Monolithic analytics platforms managed by small teams of data experts are steadily becoming ill-suited to satisfy the increasingly real-time needs of modern businesses.

Meanwhile, the training of data practitioners has not kept pace with technological advancements and business requirements. The expanding number of analytics-related opportunities creates a need for data scientists who know how to handle data and build algorithms, but there is an insufficient population of experts to fill those jobs. Not every company can afford traditionally trained data scientists, either. The resulting skills gap poses a major challenge for those seeking to maintain a competitive edge.

Figure 1: TIBCO Statistica™ dynamic visualization and dashboard tools enable citizen data scientists to research and relay information effectively.

EMBED ANALYTICS EVERYWHERE
Citizen data scientists reside wherever data is collected at critical process points, so they can perform without having to submit data requests to a central analysis team. Decentralization, streamlining, and reusability enable citizen data scientists to:

- Reduce redundancy — Build data prep and advanced analytics flows just once, then save and share templates.

- Bring value through collective intelligence — Extract new insights through data-driven exploration while addressing real-world issues on the front lines of business.

- Increase self-service efficiency — Solve business problems, even in real time, without tying up IT resources.

- Enhance customer service — Take advantage of real-time processing and analytics automation to expedite turnarounds for customer queries and ad hoc decision-making.
- Generate effective reporting — Produce dynamic visualizations that make sense, even with streaming data.

With Statistica 13.2, citizen data scientists find it easier than ever to:

- Configure in-database processing with three simple steps
- Compare and deploy advanced models
- Bring in external nodes from R or Python
- Conduct visual analyses and drill-downs
- Find patterns using network analytics
- Work with semi-structured data like PDF, XML, HTML, text, and ASCII files, and export directly to Tableau and Qlik

With customized training, these line-of-business workers do not need degrees in analytics or statistics. They typically have a deep understanding of their business and a penchant for analytics. But they are not mathematicians. They use numbers to make informed decisions to help drive their organizations forward, while maintaining proper data governance for the protection of sensitive data.

Statistica encourages citizen data scientists to apply their skills to the most important questions in their organizations, improving the speed and relevance of data science projects.
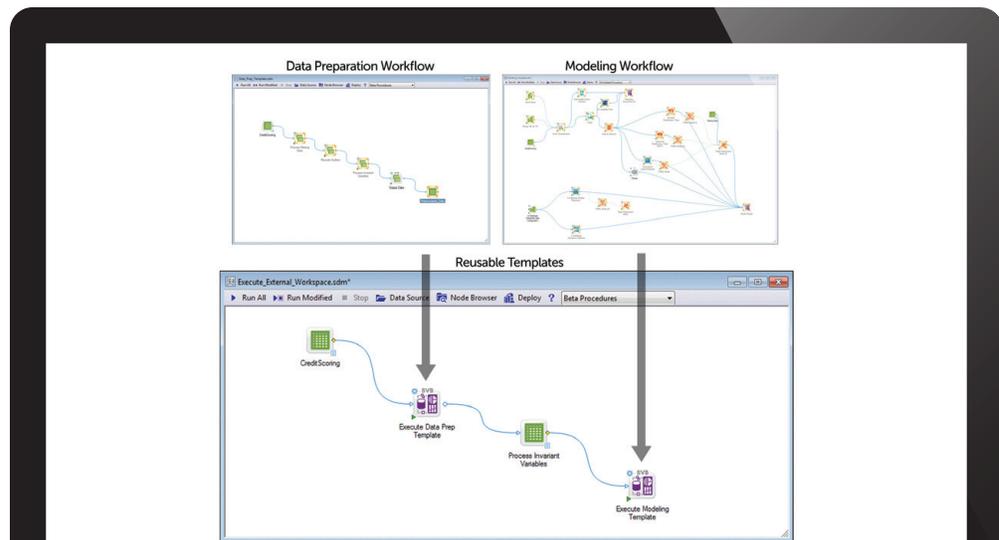

Figure 2: The ability to build, store, and reuse data workflows is key for citizen data scientists to create value to their organizations quickly and efficiently.