STATISTICA®

Statistica Enterprise

Enable the citizen data scientist and embed analytics everywhere.

The rapid growth of disparate data types and sources has elevated predictive analytics to critical status across all aspects of commercial and government organizations, including marketing, sales, manufacturing and service functions.

But predictive analytics can take you only so far. While analysts can use predictive modeling and machine learning to detect patterns in historical data and predict future results in a business context, translating those predictions into business action requires a combination of data blending, data discovery, integrated business rules and rapid deployment into your business.

Dell Statistica Enterprise integrates data blending, data discovery, predictive analytics, forecasting, text mining and an embedded business rules engine to deliver prescriptive recommendations to frontline workers and decisionmakers. It guides decision-making throughout the organization by prescribing actions and integrating them directly into operational systems.

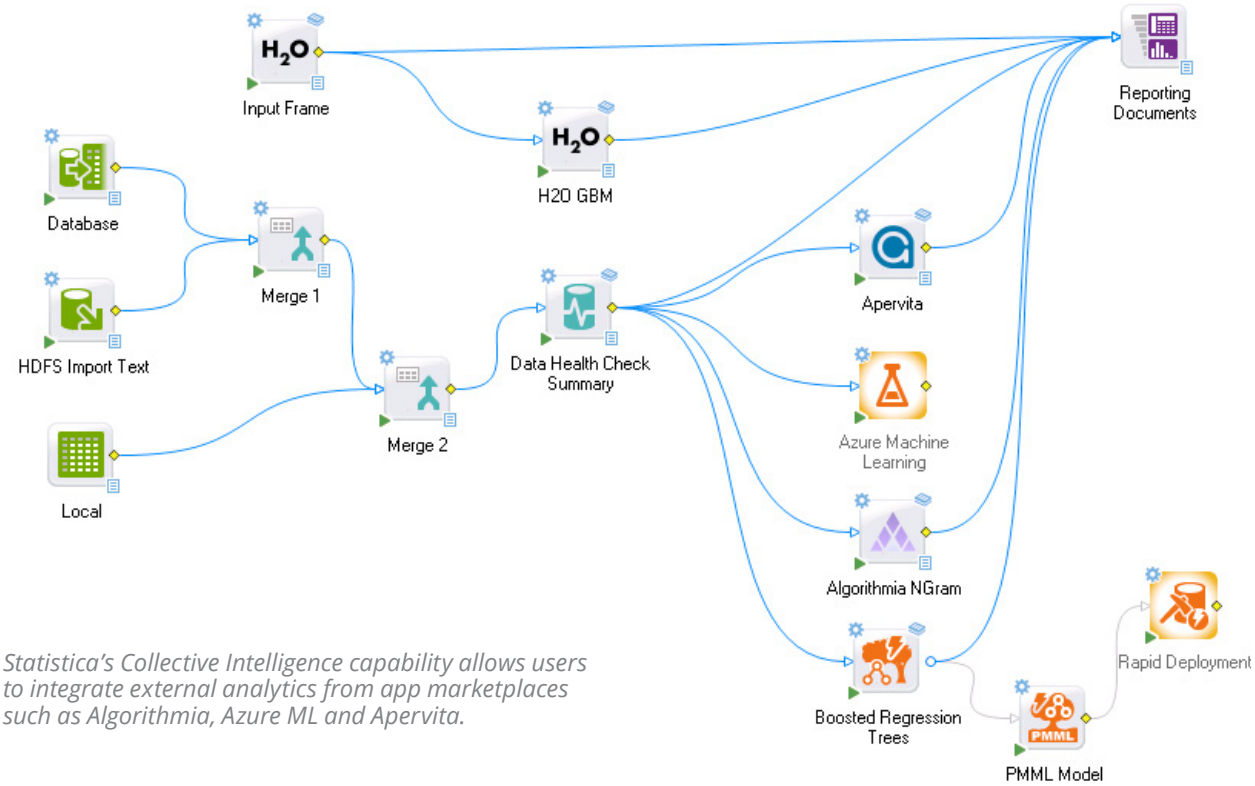
Statistica enables collective intelligence by integrating with app marketplaces like Algorithmia, Apervita and AzureML and empowers data scientists by offering Python and R as standard scripting languages. Complete analytic workflows with embedded rules are stored and managed, becoming reusable templates that can be quickly deployed across different processes, product lines and geographies to improve decision-making and increase productivity and profitability.

BENEFITS

- **Improves** decision-making with accurate analytics across a variety of industries
- **Increases** profitability through real-time scoring of customers, suppliers and strategic operations
- **Enables consistency** and transparency by integrating data discovery, data blending, predictive analytics, text mining, rules management and one-click deployment
- **Delivers** an open, flexible and embeddable architecture that uses industry standards to integrate with existing IT systems

" We have reduced the time we spend on models by up to 50 percent with Dell Statistica. Our development process is much leaner and smoother compared with what it was before."

- Jens Christian Ipsen,
First Vice President,
Danske Bank, Europe



Statistica's Collective Intelligence capability allows users to integrate external analytics from app marketplaces such as Algorithmia, Azure ML and Apervita.

FEATURES

- **Prescriptive analytics**
  Easily embed predictive models, business rules and recommendations to your critical business processes.
- **Collective intelligence**
  Integrate external analytics within internal analytic workflows and embrace the app marketplace for models. Monetize your models and data or import models written by others. Import models from Algorithmia, Azure ML, Apervita and others, and leverage open source technologies including R, Python and Spark. Connect these in a single workflow to drive interaction and collaboration.
- **Edge scoring for IoT analytics**
  Deploy "analytic atoms" on any edge device or gateway. Address nearly any IoT analytics use case by running analytic workflows directly at the edge of the network where data is created. Eliminate the need to stream all IoT data to a central server, and take immediate action on the edge.
- **In-database and Spark-based analytics**
  Use Native Distributed Analytics Architecture to bring the math to the data for model-building and scoring, eliminating bottlenecks caused by data movement.
- **Real-time analytics**
  Embed realtime insights to frontline workers. Live Score integrates predictive models, text analytics and business rules into business processes and line-ofbusiness applications.
- **Data discovery and visualization**
  Interactively explore your data and visualize streaming data. Create interactive dashboards with drill-down capability for business users.
- **Reusable workflow templates**
  Improve collaboration across your business with an intuitive interface, examples and reusable data prep and analytic workflow templates.
- **Security and governance**
  Satisfy the most stringent of regulatory controls and audits using version control, approvals and rollback capability.
- **Advanced analytic modeling**
  Make use of a comprehensive workbench designed for business analysts, data scientists and engineers.
- **Open architecture and flexible deployment**
  Work in an open architecture with native integration that includes open source libraries such as R, Python and H20. Models can be deployed as C, C++, PMML, Visual Basic, SAS, Java or C+ stored procedures.

COMPONENTS

- **Rules Builder**
  Automate and consistently apply business rules using conditional transformation steps for data preparation, model execution, analysis and reporting. Rules can easily be created once and then saved, shared and reused.
- **Enterprise Server**
  Deliver analytic and business intelligence applications to departments and divisions within your organization via centrally managed queries, analysis and report templates, and dashboards.
- **Network analytics**
  Look at data in new ways by visualizing entity relationships and graphical association maps. Combine the power of predictive analytics with human expertise to better understand relationships within complex networks.
- **Text Miner**
  Use sophisticated NLP and text analysis to blend unstructured data and structured data to improve model lift.
- **Data Entry**
  Easily configure data entry scenarios with double-blind validation for field personnel who need to manually input data.
- **Statistica MSPC**
  Make use of a complete solution for multivariate analytics, designed for applications in process monitoring and quality outcome prediction.
- **Process Optimization**
  Use specialized methods and algorithms for modeling complex processes, performing root cause analysis and more by integrating data from quality control charts, process capability analyses, experimental design procedures and Six Sigma methods with cutting-edge exploratory and predictive data mining techniques.
- **Data Miner**
  Apply a comprehensive selection of statistics, machine learning, forecasting and textmining solutions, with powerful model development and deployment tools and database/data warehouse integration.
- **Monitoring and Alerting Server (MAS)**
  Automate the continual monitoring of hundreds or thousands of critical process and product parameters.
- **PI Connector**
  Directly connect Statistica to the OSIsoft PI System, enabling you to browse real-time data and events and import them into Statistica.

ABOUT STATISTICA

Statistica's big data, advanced analytics and IoT offerings provide you endless possibilities to innovate your enterprise. Whether it's uncovering the genetic basis of a disease, reducing hospital readmissions, mitigating financial risk, or ensuring procedural validation, Statistica enables organizations to transform in new and exciting ways. By embedding analytics everywhere and empowering a wider community of citizen data scientists, you'll accelerate innovation, improve patient experiences, and streamline your enterprise for the future.

Statistica
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If you are located outside North America, you can find local office information on our Website.

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