SAS Viya

SAS Viya Software
by SAS Institute | Founded 2016, Cary, NC

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Categories: Big Data Analytics Tools

What is SAS Viya?

Industry Specialties: Serves all industries

SAS Viya is a cloud-based in-memory analytics engine that provides data visualization, reporting and analytics to businesses for actionable data insights. Powered by AI, it brings together visual analytics, visual statistics and data science for enterprises to achieve end-to-end self-service analytics. It uses a standardized code base with support for programming in R, Python, SAS, Java and Lua.

Deployable in the cloud, on-premises and hybrid environments, it integrates with a wide range of business applications through an agile, scalable architecture. The vendor offers an introductory 30-day free trial.

PRICE	COMPANY SIZE	DEPLOYMENT	PLATFORM
$ $ $ $ $	S M L	☁ 🖥	🐧 🍎 ⊞

Price Quote   Demo

User Sentiment ⓘ   **Based on 203 reviews:**

🙂
GREAT

Add your rating:

Benefits and Insights

Why use SAS Viya?

Key differentiators & advantages of SAS Viya

Improve Decision-Making: Make informed business decisions by using historical and current proprietary information to derive analytical insights. Compute vast amounts of data faster and resolve complexities through parallel processing. Boost workflow efficiencies by deploying operational decisions that define real-time best actions at scale.

Self-Service Analytics: Easily perform automated forecasting, goal-seeking and scenario analysis — no technical skills needed. Identify user sentiment through text analytics and incorporate geographical data for a complete picture of business metrics.

Maximize ROI: Save time through built-in automation for data prep, feature engineering, algorithm selection and AI-powered data discovery. Innovate, rather than spending time on tedious data management and analytics tasks.

Data Security: Ensure data encryption at rest and while moving across systems, in addition to auditing protocols. Connect to external data management systems like Oracle, Teradata, Facebook, Amazon and Esri seamlessly through Kerberos, SAML, OAuth and OpenID.

Data Management: Import data by using an IDE or through REST APIs, and visualize and analyze it through self-service data prep. Join tables, apply functions and perform calculations, or drag-and-drop, pivot, and slice and dice to view desired metrics.

Augmented Analytics: Identify relationships in data through automatically generated suggestions and guided analysis, and track anomalies and outliers. Tell data stories by generating easy-to-understand visuals and dashboard summaries in natural language. Derive meaningful insights for the future by creating what-if scenarios for forecasting and predictive analytics.

Mobility: Access business reports on the go through a native mobile app that supports a variety of charts, graphs and tables. Configure app functionality per device for specific users to add and view reports, share links, add and view comments and view alerts.

Scalable Architecture: Leverage its modular microservices architecture to scale as per business needs. Monitor and manage the health and configuration of individual microservices instances through the SAS Environment Manager. Deploys seamlessly to any type of environment, including the cloud, and runs on Cloud Foundry as a platform-as-a-service (PaaS).

Industry Expertise

It provides data analytics to clients in diverse industries across the globe. These include transport, health, insurance, risk management and more.

Reviews

Average customer reviews & user sentiment summary for SAS Viya:

GREAT

203 reviews

85%

of users would recommend this product

SAS Viya has a 'GREAT' User Satisfaction Rating of 85% when considering 203 user reviews from 3 recognized software review sites.

Leave your review

Synopsis of User Ratings and Reviews

Based on an aggregate of reviews taken from the sources above, the following pros & cons have been curated by a SelectHub Market Analyst.

Pros

⊕ *Ease of Use: All users who mention its interface say that it makes autonomous analysis and data modeling accessible to users of all skill levels.*

⊕ *Support: All users who review support say that representatives are responsive and helpful in resolving issues and queries.*

⊕ *Functionality: Around 71% of the users who comment on its feature set say that the software helps discover data insights through powerful visualizations and on-the-fly calculations.*

discover data insights through powerful visualizations and on-the-fly calculations.

Cons

⊖ *Cost: All users who discuss its pricing say that the cost of acquisition is high.*

Researcher's Summary:

SAS Viya is an AI-powered data management and visual analytics platform with a robust, scalable architecture. All users who reviewed data source connectivity said that it connects to multiple sources and integrates easily with business applications, giving a seamless user experience. With fast in-memory processing of big data sets, it leverages the power of R to enable visual statistics. All users who mentioned predictive analysis said that it enables automated forecasting through what-if scenarios, goal-seeking, text mining and decision trees. Citing ease of use, all users say that the platform is intuitive and enables easy data modeling and self-service visual analytics. All users who mentioned support said that they are responsive and knowledgeable. Around 71% of the users who comment on its functionality say that it is a robust, scalable and flexible platform that enables visualization and analysis of business data, though some users say visual statistics need improvement. On the flip side, all users who review its cost say that the tool is expensive.

In summary, SAS Viya is an analytics tool that provides data management, visualization and AI-powered analytics to enterprises for improved decision making, though small organizations and startups might find it cost-prohibitive.

Key Features

Visualization and Reporting: Dig into data for in-depth analysis and view key business metrics through autonomous data exploration and manipulation. Create and customize interactive reports and charts to share with others across the organization for collaborative insight. Get suggestions on graphics best suited to display pertinent data through auto charting.

Data Modeling: Analyze data with predictive models through regression, clustering and neural networks. Ensure version control by tracking data models from creation through usage by registering, validating and monitoring each version. Creates snapshots of model properties and files and retains them for the future.

Visual Statistics: Build diverse scenarios simultaneously and refine them with what-if analyses to uncover insights through experimentation. Unifies all business tools,

irrespective of the language they support, into a common visual analytics solution.

Cloud Integrations: Develop low-code technologies by porting SAS open-source models into mobile and business applications through its cloud-native capability. Optimize analytics workloads on clouds like Microsoft Azure and ensure cost-efficient migration of analytics to the cloud through a workload management tool.

ML-Based Insights: Get valuable insights from new data types by combining structured and unstructured data in integrated machine learning programs. Choose the desired ML algorithm from a range of options and easily find the optimal parameter settings.

Use Python within Jupyter notebooks for deep learning functions like computer vision, natural language processing, forecasting and speech processing.

Limitations

At the time of this review, these are the limitations according to user feedback:

   Only Linux environments support multi-tenant deployments

Suite Support

Before opening a tech support ticket, go through the online resources on the vendor's website for self-paced troubleshooting. These include documentation such as technical papers, installation notes, usage notes, blogs and community forums.

✉ **Email:** support@sas.com.

📞 **Phone:** Call 1-800-727-0025 (U.S. and Canada) or 1-919-677-8000 (international), or live chat with an agent on the support page.

🎓 **Training:** Access a range of both free and paid training options on the SAS training homepage. These include e-learning, live web classes, training on location, free tutorials, a learning subscription and more.

🏷 **Tickets:** Submit a ticket through the tech support web form on the vendor's website.

Compare Big Data Analytics Tools

These are the products most often compared to SAS Viya.

Oracle Analytics Cloud

IBM Watson Analytics

SAP HANA

BIRT

Qlik Sense

Alteryx

MicroStrategy

Tableau Big Data

Spotfire

Applicant Tracking Systems

Big Data Analytics

Business Analytics (BA)

Business Intelligence (BI)

Business Phone

Call Center

Compensation Management

Construction Bidding

Construction ERP

Construction Estimating

Construction Management

Construction Scheduling

CPQ

CMMS

CMS

CRM

Customer Experience

Dental

Distribution

Dispatch

Ecommerce

EDI

EHR

EMR

Employee Scheduling

Embedded Analytics

Enterprise Accounting

EAM

Endpoint Security

Enterprise Reporting

ERP

ETL

Facility Management

Fundraising

Field Service Management (FSM)

Fleet Management

HR Management

Help Desk

Home Health

Hotel Management

Inventory Management

Insurance

Legal

Live Chat

LMS

Long Term Care

Manufacturing

Marketing Automation

Medical Billing

Medical

Mental Health

Medical Practice Management

MES

Patient Scheduling

Performance Management

POS

Procurement Software

PLM

Property Management

Project Management

PPM

PSA

Recruitment & Staffing

Risk Management

Sales Force Automation

Supply Chain Management

Takeoff

Talent Management

Telemedicine

TMS

Time and Attendance

Warehouse Management

Workforce Management

Show All Categories

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Create a Project

Browse Products

Dashboard

Managed Selection Services

Claim Your Product Listing

For Vendors

Thought Leader Program

Awards Program

Careers

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