SAS Visual Analytics

Business visualization driven by high-powered analytics

What does SAS® Visual Analytics do?

SAS Visual Analytics provides a complete platform for analytics visualization, enabling you to identify patterns and relationships in data that weren't evident before. Interactive, self-service BI and reporting capabilities are combined with out-of-the-box advanced analytics so everyone can discover insights from any size and type of data, including text.

Why is SAS® Visual Analytics important?

Users of all skill levels can visually explore data on their own while tapping into powerful in-memory technologies for faster analytic computations and discoveries. It's an easy-to-use, self-service environment that can scale on an enterprise-wide level.

For whom is SAS® Visual Analytics designed?

It's designed for anyone in your organization who wants to use and derive insights from data – from decision makers and analysts to statisticians and data scientists. It also offers IT an easy way to protect and manage data integrity and security.

Regardless of size or industry sector, organizations collect all kinds and amounts of data. Unfortunately, traditional architectures and existing infrastructures have difficulty performing the fast analytical processing needed to deliver instantaneous insights.

IT also is swamped with constant requests for data, ad hoc analyses and one-off reports. Decision makers become frustrated because it takes too long – or is even impossible – to get the information needed to quickly answer their questions. And increasingly, they want to be able to access information while they're on the go from mobile devices such as the iPad or Android tablets, or email.

SAS Visual Analytics combines an easy-to-use, dynamic interface with powerful in-memory technology. All types of users can visually explore data, execute analytics on any size of data within minutes or seconds, and understand what the data analysis means.

Benefits

- Empower everyone with advanced analytics. Users of all skill levels can conduct fast, thorough explorations on all available data. Forecast the future. Experiment with different scenarios. Analyze text/unstructured data. Discover your best options and make more precise decisions. Absolutely no coding is required.

- Answer complex questions faster and enhance the productivity of your analytical talent.

- SAS Visual Analytics uses in-memory analytics to provide extremely fast results.

- Drive collaboration and information sharing. One of the most powerful ways to encourage conversations around data is to put information where people can easily get to it i.e. via Web. Mobile, PDF etc...

- Deliver self-service capabilities on an enterprise-wide level. SAS Visual Analytics enables many users to visually explore and analyze huge volumes of data combined with powerful analytics and high-performance in-memory technologies, gives users across multiple departments and lines of business an unprecedented way to surface new insights and solve complex problems faster than ever. Extensive self-service features are designed for large-level use.

Analytic visualizations uncover insights buried in data

Network diagrams integrated with mapping technologies Show Inter-connected data points with geospatial references

all technologies
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Key Features

Visual Data Exploration
- Interactive data exploration for all types of users.
- Auto-charting capability helps determine the chart best suited to display data based on items selected for analysis.
- Integration with mapping technologies provides an understanding of geospatial data.
- "What does it mean" capabilities explain the relationships between variables.
- Analytic visualizations include box plots, heat maps, bubble charts, network diagrams, decision trees and more.
- Queries can be changed by selecting items to be displayed from a sidebar or by dynamically filtering and grouping.

Self-service, easy analytics
- Fast in-memory analysis on data of any size.
- Descriptive, predictive and prescriptive analytics out of the box.
- Data can be easily queried from a seamless set of viewing modes.
- Multidimensional data can be sliced and diced by applying filters on any level of a hierarchy.
- New measures can be calculated and added to any view.
- Forecasts can be generated on the fly with forecasting confidence intervals included.
- Most appropriate forecasting algorithm for specific data is automatically selected.
- Using scenario analysis, see how a forecast would be affected by changing variables.
- Interactively generate decision trees to graphically depict likely outcomes.
- One-click ability to create time-period based calculations. Custom binning and grouping (based on custom categories).
- Text analysis, including word clouds and content categorization.
- Network diagrams with the ability to display networks across a map, including ESRI maps.

Robust report design, creation and viewing
- Web-based, interactive report-building interface for report authors.
- Design reports once and publish anywhere. Precision layout capabilities provide pixel perfect flexibility in report layout.
- Custom graph templates and mashups.
- On-the-fly hierarchies can be created to add drill-down capabilities to reports.
- A variety of charts are included: bar/3-D bar with multiple lines, pie/3-D pie, line, scatter, heat map, bubble, animated bubble, and tile.
- Inbuilt capability to plot data on geographical maps.
- Range-based or threshold-based alerts let people subscribe to reports and receive notices when a report changes.
- Guest mode for viewing explorations, reports and dashboards without logging in.
- Seamless integration with SAS Office Analytics and SAS Add-In for Microsoft Office lets users open reports from their Microsoft Office applications

Mobile BI
- Native iPad® and Android apps provide a feature-rich user experience.
- Reports can be viewed securely on mobile devices either online or offline via mobile tethering.
- Comments can be added to reports for better collaboration.
- Ability to annotate, share, email and comment on reports and screenshots with others.
- Alerts can be sent to mobile devices when reports are updated.

Collaboration
- Real-time collaboration with group of employees by adding comments/feedback on a report and share.
- Mobile users, Microsoft Office users and Web users can all share and view comments in a central location. Comments stay with the reports so everyone can see them
- Thumbnails of recent and favorite items can be viewed and selected to open them.
- Integration with Microsoft Office applications: Outlook, SharePoint, Excel and PowerPoint.

Alletec

All e Technologies (Alletec) is a leading provider of IT solutions across India, Middle-East, APAC, Europe, USA and Africa. Alletec BI offerings include SAS Visual Analytics in collaboration with SAS – a global leader in analytics software and the largest independent BI vendor. Also being a MS Dynamics Gold Competency Partner and MasterVAR – Alletec has been servicing customers in the Enterprise Applications space, since 2000, covering the business spectrum from transactional processing to reporting & analytics.

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