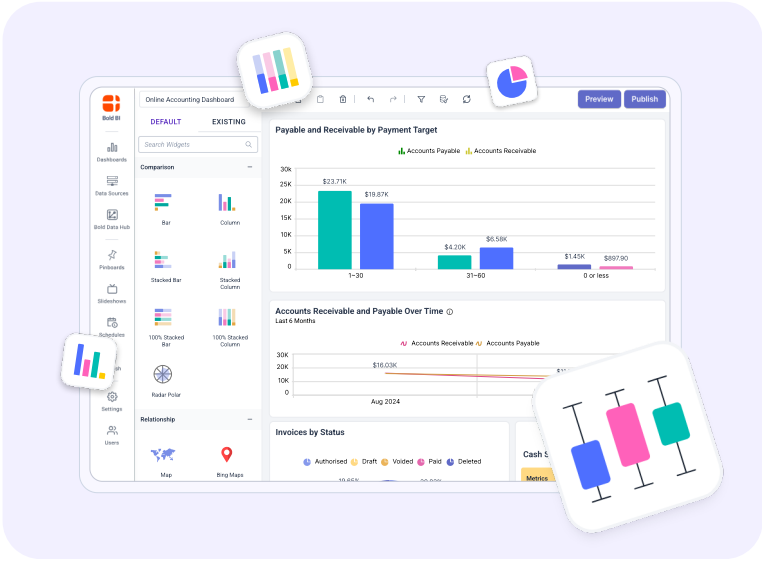
Bold BI
by Syncfusion®

Bold BI Visualization

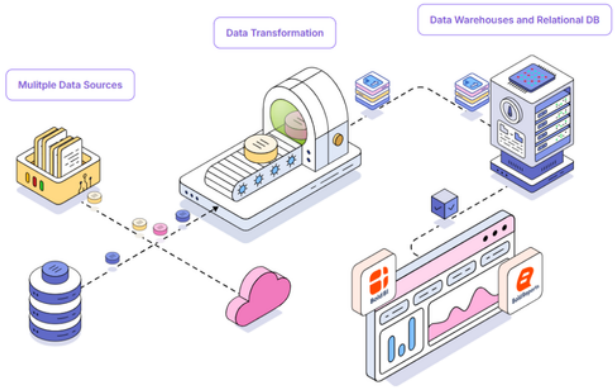
Features for Building, Embedding & AI-Powered Analytics



Bold BI provides a modern web-based analytics platform with an intuitive drag-and-drop dashboard designer, embedded analytics capabilities, AI-powered analytics, and self-service data exploration. Create, customize, and share interactive dashboards while leveraging AI-assisted insights and visualization creation.

140+ Data Connectors

Integrate data from over 140 data sources, such as files, relational databases, NoSQL databases, cloud data stores, and REST API sources.

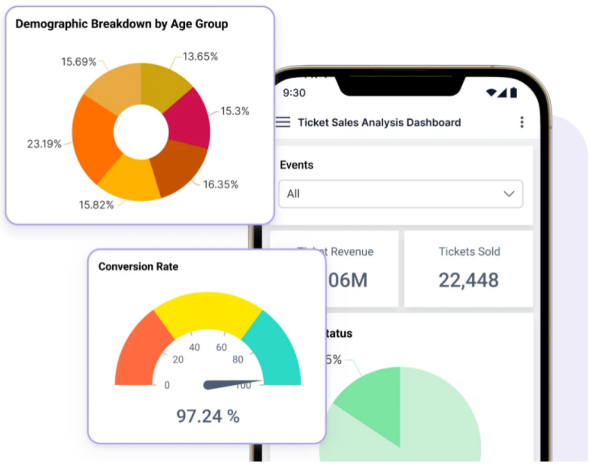


Bold Data Hub

Bold Data Hub provides a centralized platform for data integration, transformation, preparation, and management. Create analytics-ready datasets from multiple business systems through a visual ETL and data pipeline experience.

Responsive & Mobile-Ready Analytics

Design dashboards once and deliver optimized analytics experiences across desktop, tablet, and mobile devices. Responsive layouts automatically adapt to different screen sizes and orientations while maintaining a consistent user experience.



Embedding Analytics

Decide how to showcase your dashboard and let users interact with it.

Applications

You can embed a dashboard in any custom web application hosted on any cloud platform or in on-premises business applications like CRM or ERP software.

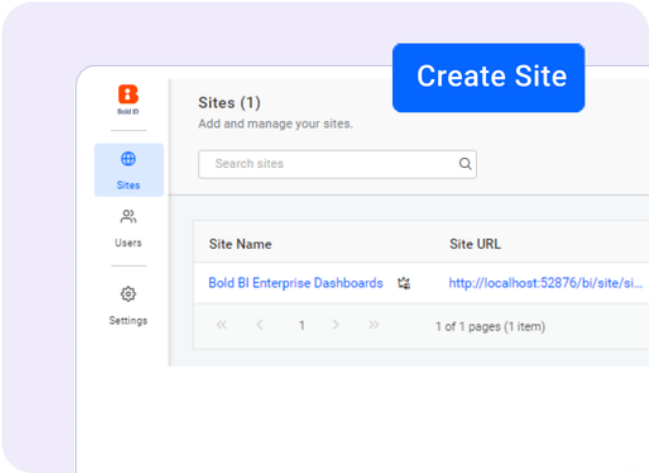
Websites

A public website can have a dashboard; one of its widgets; or another, related Bold BI server module embedded to improve the user experience and retain user engagement.

Commercial products

A product in any domain can serve its users with prebuilt dashboards presenting analytics about that product's usage. Or a specific set of users can create their own dashboard and share it with others.

Capabilities

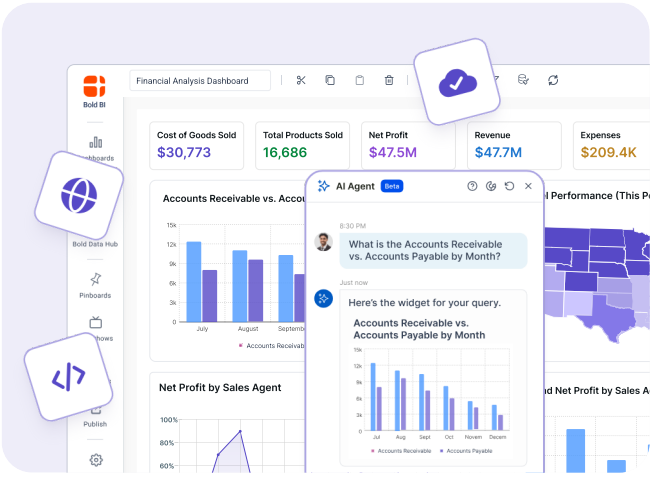


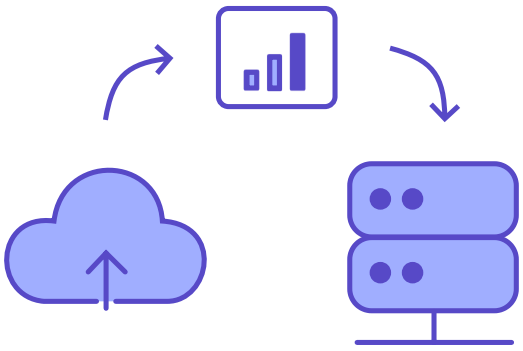
Multitenancy

If each of your customers needs an isolated analytics environment, deploy each environment as an individual site connected with individual database back ends. With this model, each site is completely isolated. All tenants are easily manageable via Bold BI's admin interface.

Self-Service Analytics

Empower users to explore data, generate insights, perform ad hoc analysis, and create dashboards without coding. Combine intuitive drag-and-drop analytics with AI-powered capabilities for faster decision-making.



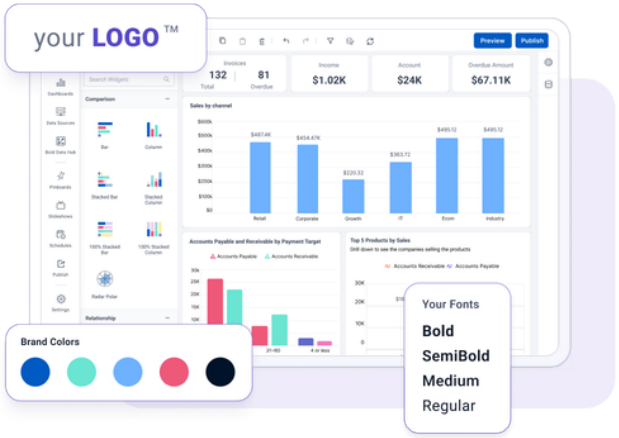


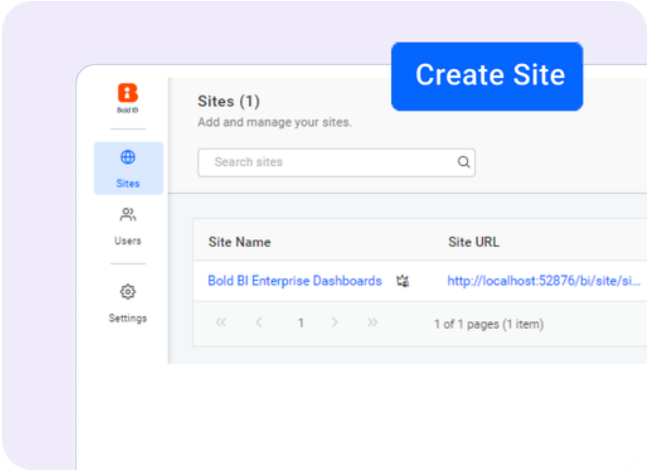
Embedded Analytics & Flexible Deployment

Embed analytics into applications through SDKs and APIs while deploying across cloud, on-premises, Docker, and Kubernetes environments. Deliver scalable analytics experiences that integrate seamlessly with modern application architectures.

White-Labeling & Redistribution

Deliver fully branded analytics experiences with custom themes, logos, navigation, and tenant-specific configurations. Embed and redistribute analytics within your products while maintaining a seamless user experience.



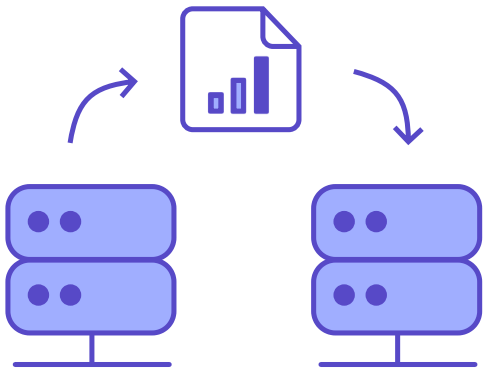


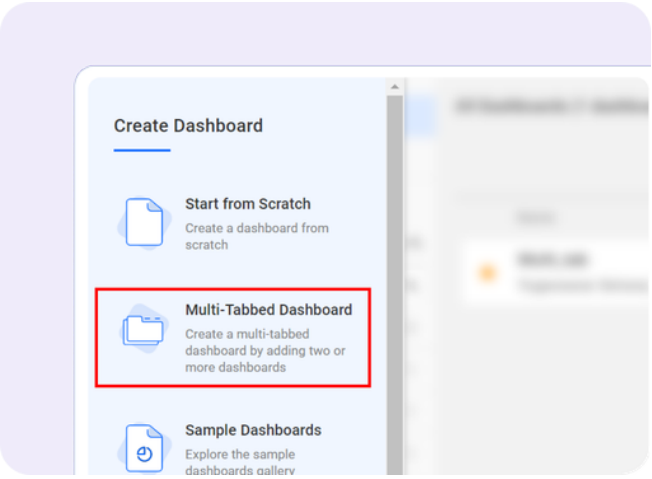
Data Cache

Bold BI implements data caching to retrieve results faster and keep dashboard data in temporary, low-maintenance storage.

Resource Migration

Bold BI supports resource migration, which allows you to move resources from one server to another.



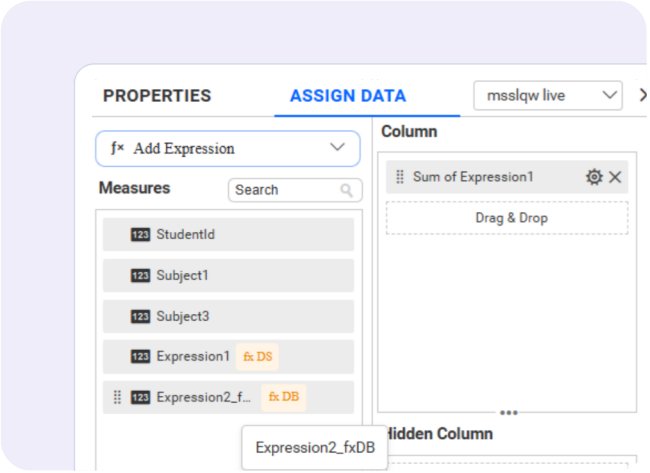


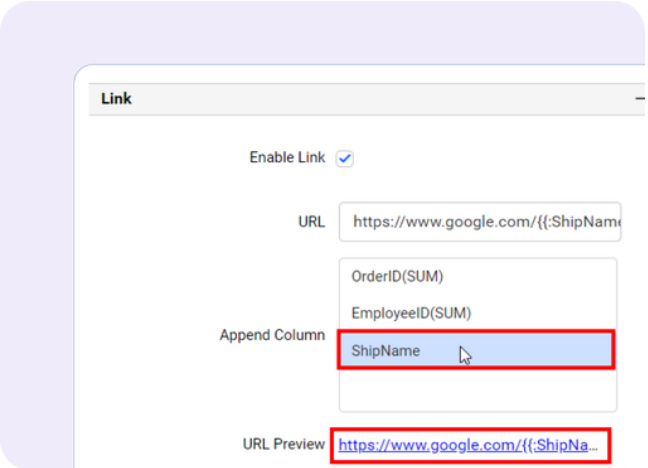
Multitabbed Dashboards

Display and interact with multiple dashboards within a single analytics experience, enabling streamlined navigation and better organization of business insights.

Dashboard-Level Expressions

Create reusable calculations directly within dashboards without modifying the underlying data source, enabling greater flexibility and self-service customization for dashboard authors.





Dashboard Tab Linking

Navigate directly to specific dashboard tabs through widget linking and breadcrumb navigation, improving discoverability and user workflows across related dashboards.

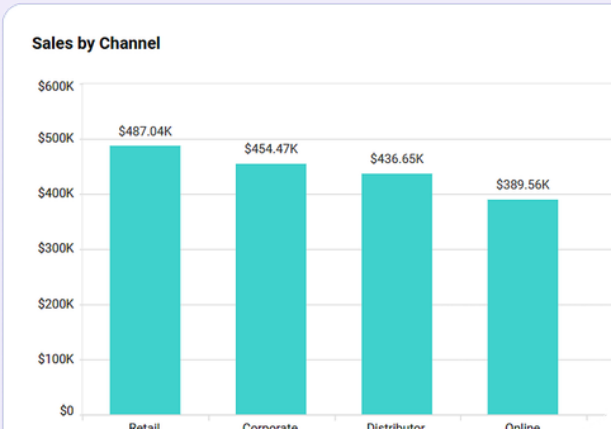
Embedded Dashboards

Embed powerful business intelligence inside your apps. Turn your customers into success stories with built-in business intelligence featuring state-of-the-art analytics, dashboards, and more.

Single sign-on

Integrate authentication and authorization using OAuth 2.0, OpenID Connect, and supported identity providers to deliver secure and seamless access across applications and analytics environments.

Empower Users with a Rich Visualization Experience

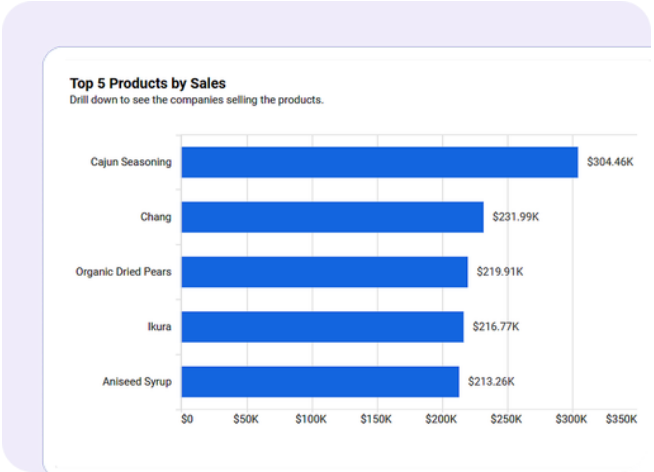


Column chart

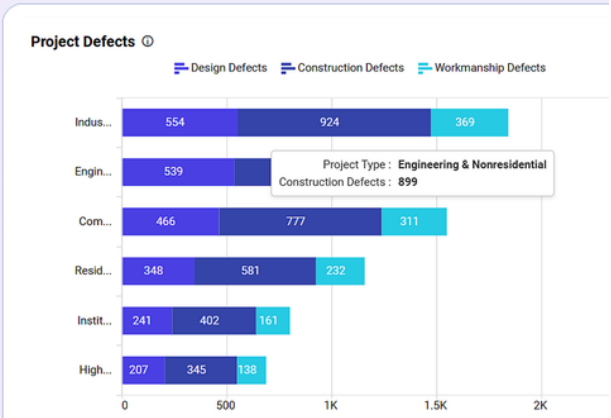
A column chart displays data using vertical bars to compare values across different categories. It makes it easier to identify differences, trends, and performance variations across categories. Use a column chart when comparing values across a small number of categories or showing changes over discrete time periods.

Bar Chart

A bar chart uses horizontal bars to represent values across categories. It offers a clear way to compare and rank categories, particularly when category labels are lengthy. Use a bar chart when comparing or ranking a large number of categories, especially when category labels are long.



Powerful Designer Experience with No Coding Skills Needed

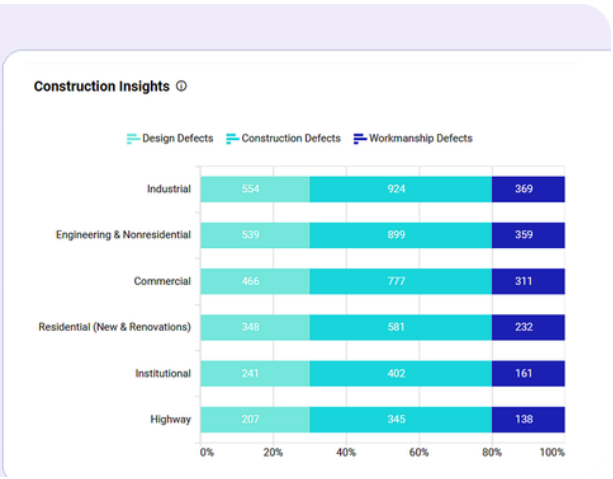


Stacked Bar Chart

A stacked bar chart represents multiple data series using horizontal segmented bars. It supports comparison of category totals while revealing how each segment contributes to the overall value.

Stacked Column Chart

A stacked column chart displays multiple data series within a single vertical bar. It allows viewers to analyse overall totals while understanding the contribution of individual segments within each category.



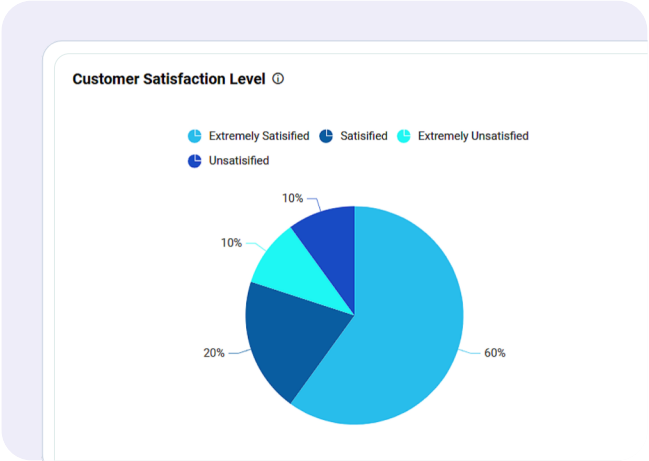
100% Stacked Bar Chart

Each bar shows parts of a whole (100%). Best for comparing proportions, like customer segments or demographics.

100% Stacked Column Chart

Vertical version of the 100% stacked bar chart. Helps clearly show how data is split into percentages.

Quickly Build Interactive Dashboards

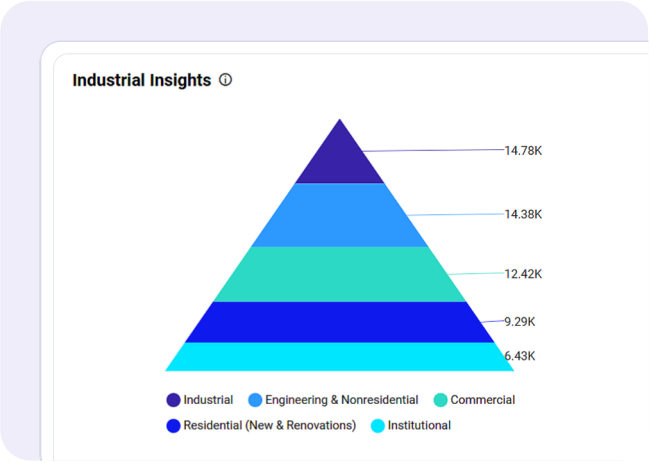


Pie Chart

A pie chart represents data as slices of a circle that show each category's share of the whole. It delivers an intuitive way to understand proportions and identify dominant categories.

Doughnut Chart

A doughnut chart displays category contributions to a total using segmented rings. It offers a concise view of proportional relationships and category shares within a dataset.



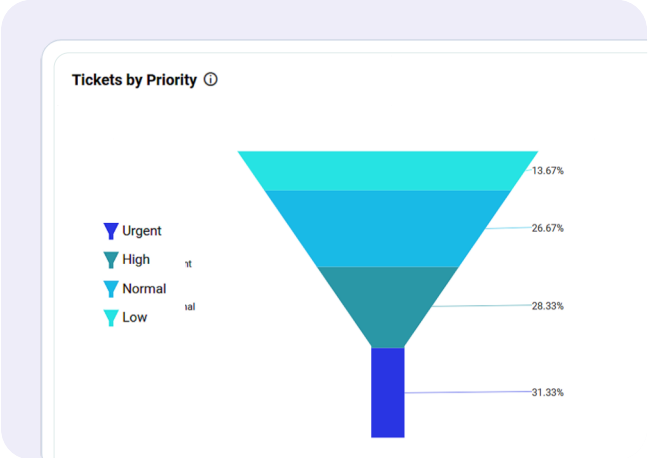
Pyramid Chart

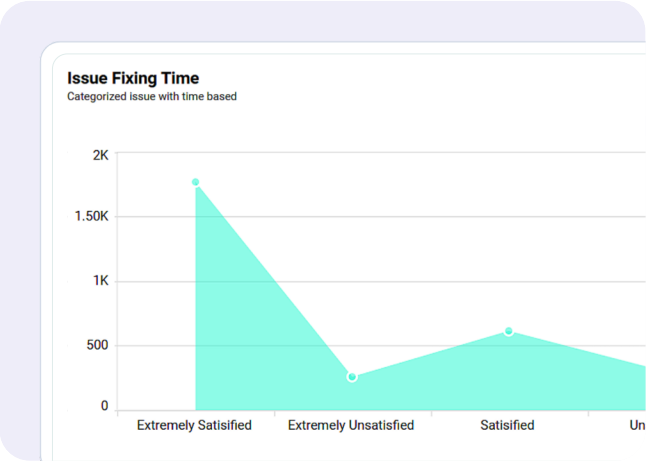
A pyramid chart visualizes data in progressively sized segments to represent proportional relationships. It highlights distribution patterns and makes relative category contributions easier to understand.

Design Once, Deploy across Devices

Funnel Chart

A funnel chart represents values across sequential stages in a process. It highlights conversion rates, drop-offs, and performance across each stage of a workflow.



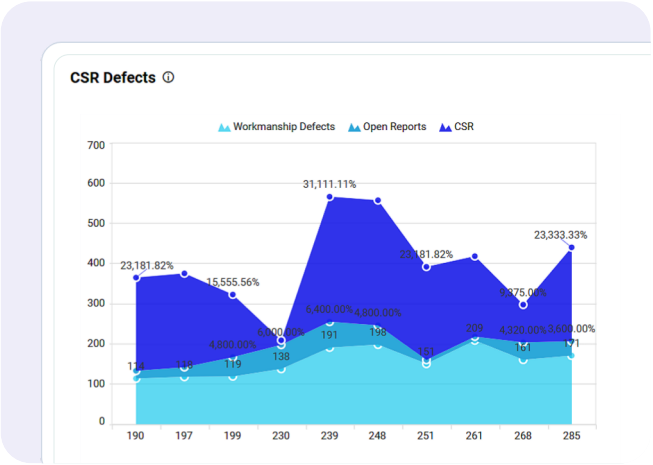


Area Chart

An area chart visualizes trends over time using filled regions beneath a line. It emphasizes the magnitude of change and makes trend analysis more impactful. Use an area chart when you need to highlight both the trend and magnitude of change over time.

Stacked Area Chart

A stacked area chart displays cumulative values over time using layered filled areas. It reveals overall trends while showing how individual series contribute to total growth or change.



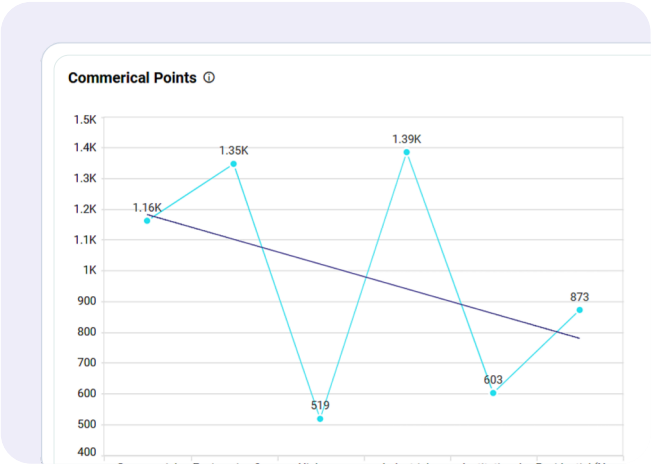
Effortless Data Representation

100% Stacked Area Chart

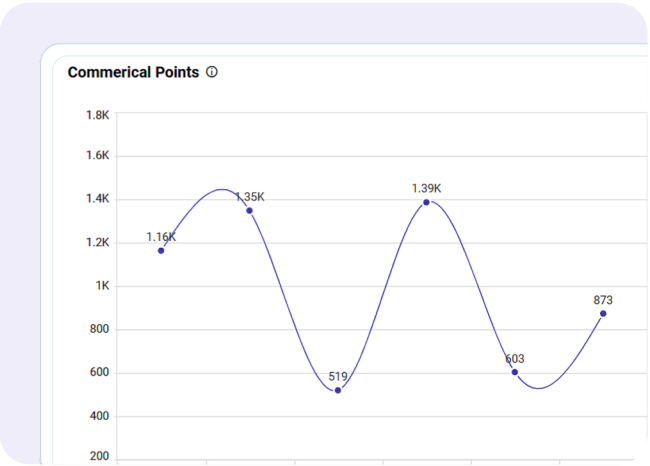
A 100% stacked area chart displays how multiple series contribute proportionally to a whole over time. It facilitates the analysis of percentage-based trends and changing distributions.

Line Chart

A line chart connects data points using straight lines to show changes over time. It provides clear visibility into trends, fluctuations, and performance patterns across continuous data. Use a line chart when tracking precise changes, fluctuations, and trends over time.



Quickly Grasp Seasonal Trends

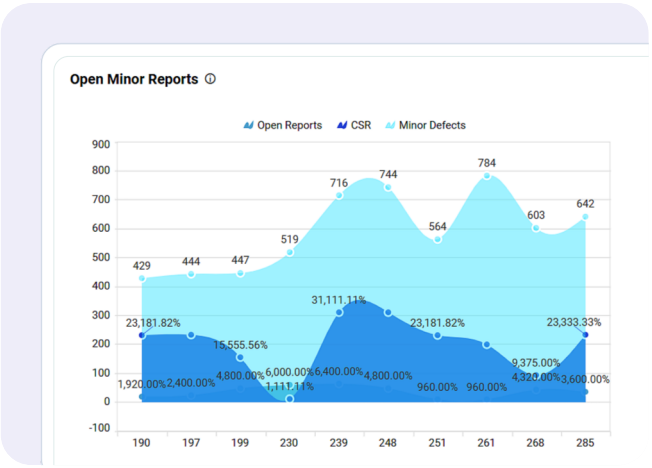


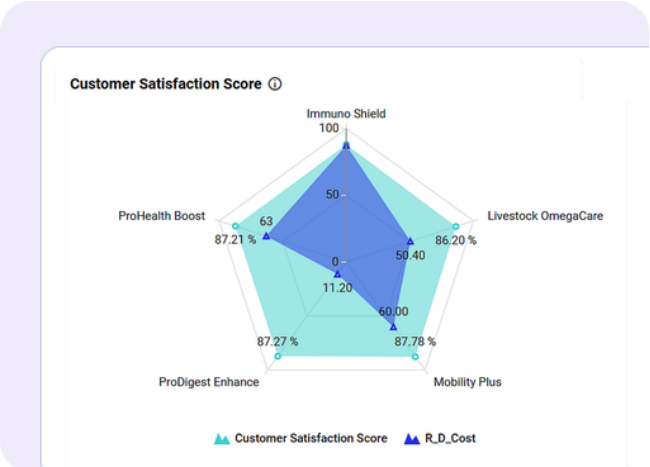
Spline Chart

A spline chart connects data points using smooth curves to display trends over time. It creates a more fluid view of patterns and performance movements within the data. Use a spline chart when emphasizing overall trends and patterns with a smoother visual representation.

Spline Area Chart

A spline area chart combines smooth trend lines with filled areas to highlight data magnitude over time. It strengthens trend comparison by emphasizing both direction and volume of change. Use a spline area chart when showing overall trends and magnitude while maintaining a smooth flow between data points



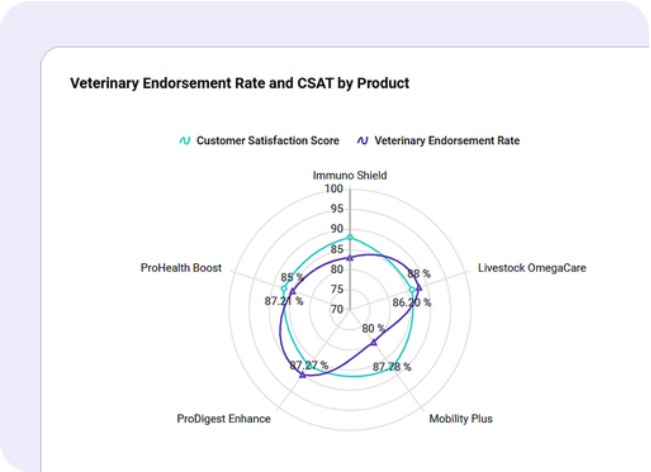


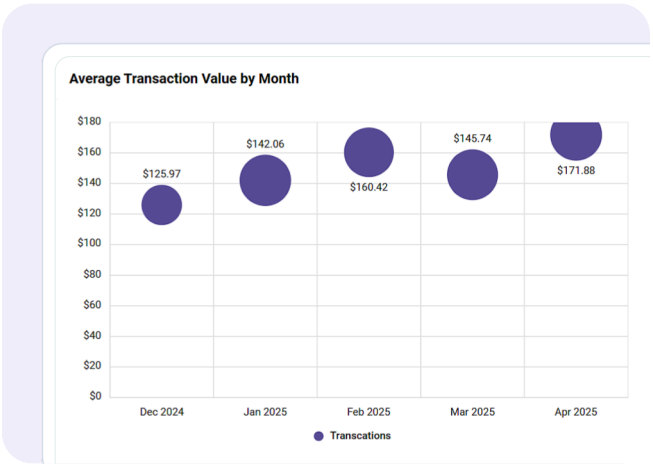
Radar Chart

Use a circular layout to visually compare performance across various categories.

Polar Chart

Show complex data in a circle. Great for comparing things like skills or risk levels.



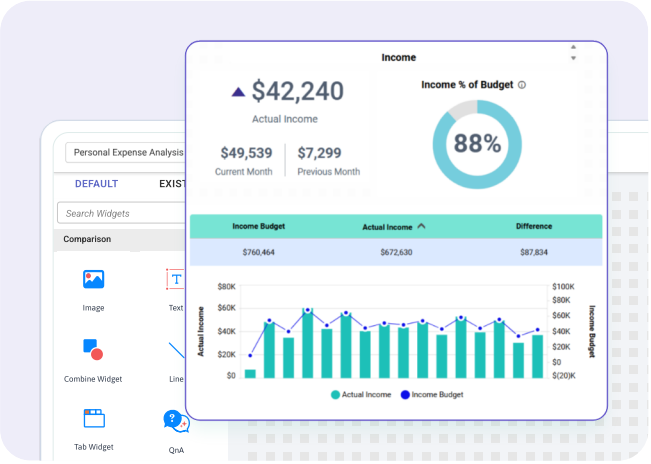


Scatter Chart

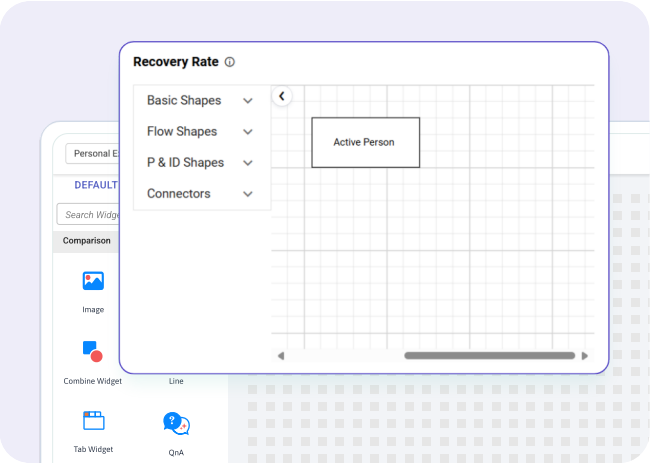
A scatter chart uses plotted points to represent relationships between two or more variables. It reveals correlations, clusters, trends, and outliers that may not be visible in other chart types.

Combine Widget

A combine widget merges multiple visualizations into a single view. It brings related metrics together to support deeper and more meaningful analysis.



Create Custom Widgets

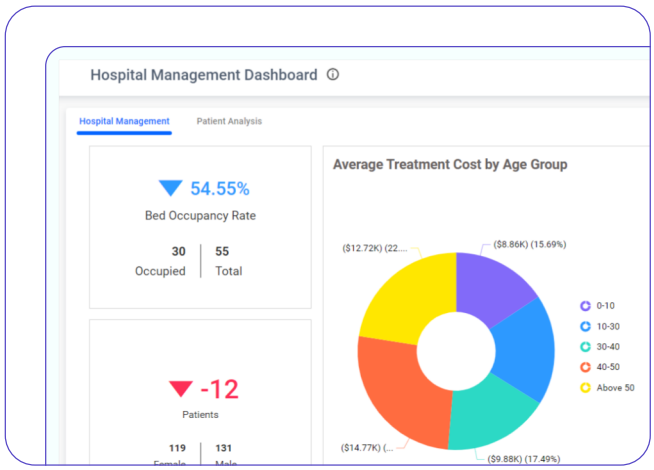


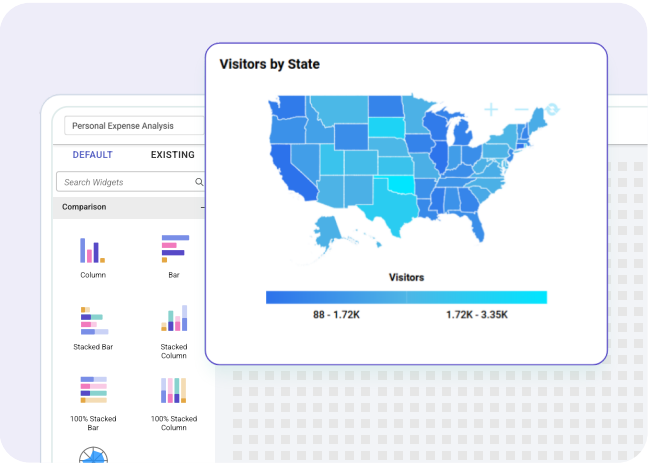
Custom Widgets

A custom widget allows users to create tailored visualizations beyond standard chart types. It offers the flexibility to address unique business requirements and specialized reporting needs.

Tab widget

A tab widget organizes multiple visualizations into separate tabs within a dashboard. It improves dashboard organization and streamlines navigation between related insights.





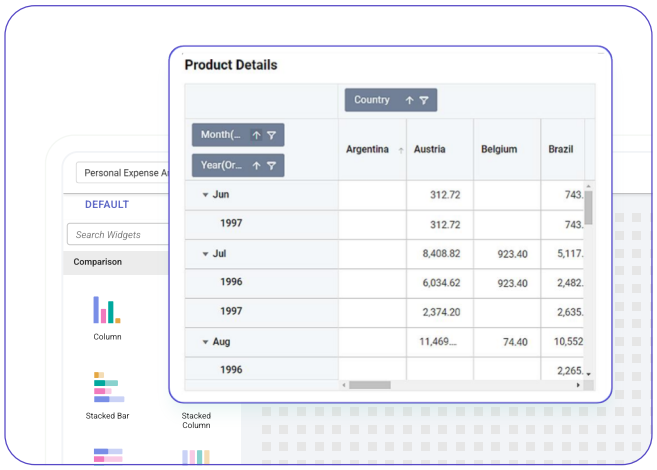
Map

Maps visualize geographic data using locations, colours, and scaling techniques. They uncover regional trends, geographic patterns, and location-based insights for better decision-making.

Pixel-Perfect Layout

Table

A table presents data in rows and columns for detailed analysis. It gives access to precise values and facilitates record-level comparisons.

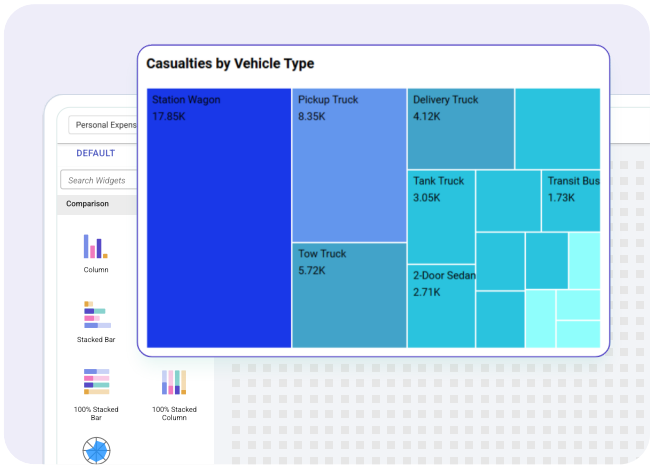


Pivot Table

A pivot table summarizes and organizes data into a cross-tabular format. It streamlines multidimensional analysis and accelerates insight discovery from large datasets.

Tree Map

A tree map visualizes hierarchical data using nested rectangles sized according to value. It makes large datasets easier to interpret by emphasizing proportional relationships between categories.



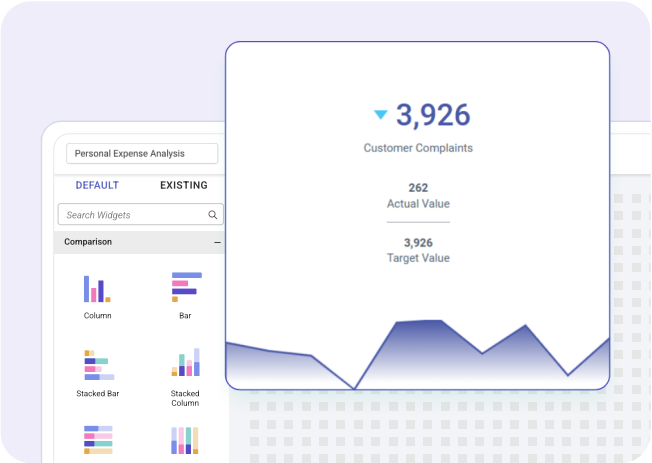
Heat Map

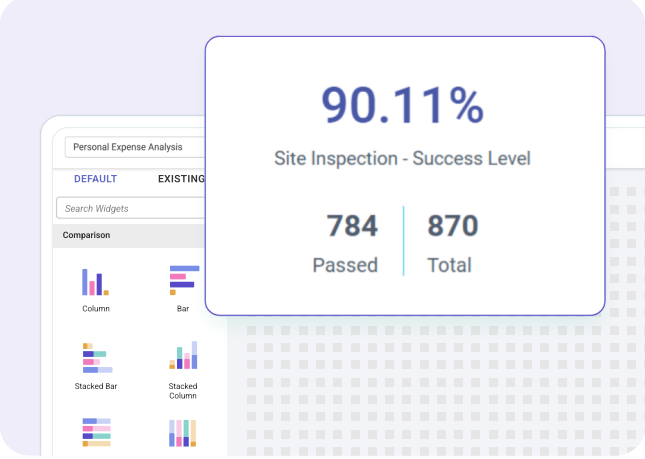
A heat map represents data values through varying colour intensity. It draws attention to patterns, concentrations, and areas that may require further investigation.

Key Performance Indicators

KPI Card

A KPI card displays key performance indicators by comparing actual performance against targets or benchmarks. It delivers an immediate snapshot of progress toward business objectives.



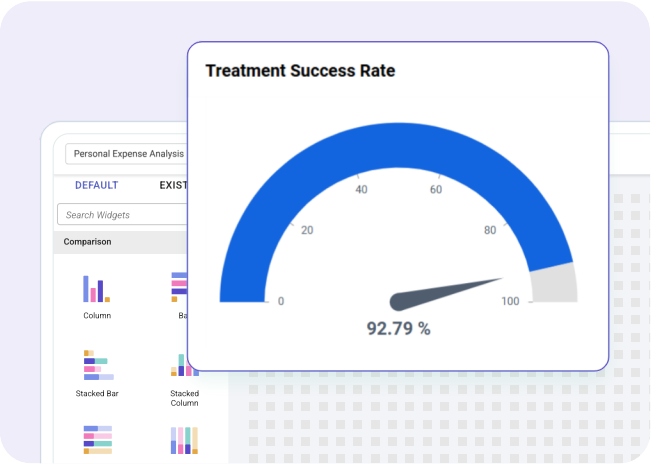


Number Card

A number card highlights a single metric or value within a dashboard. It ensures critical information remains visible and easy to monitor at a glance.

Radial Gauge

A radial gauge displays values on a circular scale using pointers and indicators. It offers a quick assessment of performance levels and progress toward defined goals.



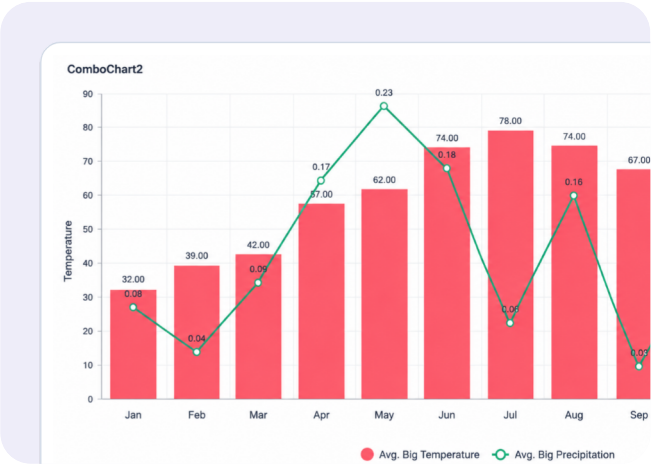
Dynamic Data Visualization

Q&A Visual

A Q&A Visual allows users to create visualizations using natural language queries powered by AI. It simplifies dashboard creation and accelerates insight generation without requiring advanced technical expertise.

Combo Chart

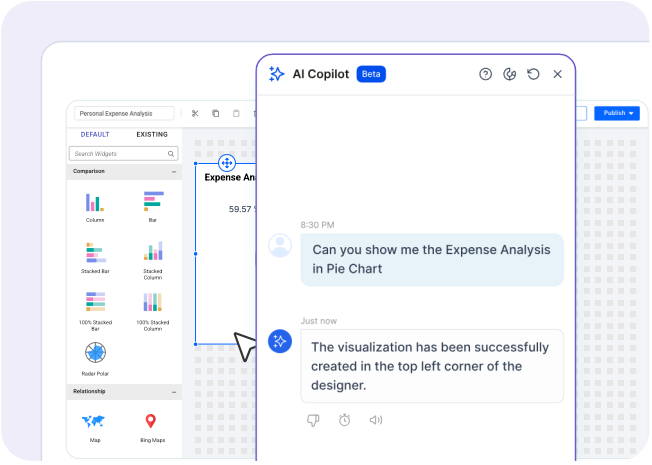
A combo chart combines multiple chart types and axes within a single visualization. It delivers a unified view of related measures and improves the comparison of metrics with different scales

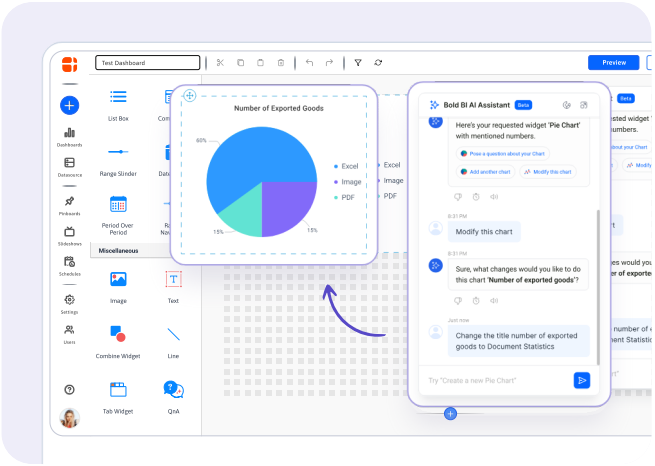


Dynamic Data Visualization – AI-Powered Visualization

AI Copilot

Create and customize charts using natural language directly within the dashboard designer. Generate visualizations faster without manual configuration.



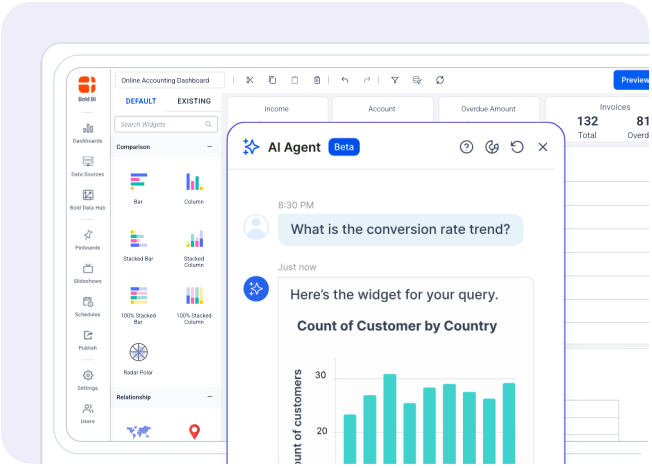


Prompt-to-Dashboard

Transform business requests into complete interactive dashboards populated with automatically generated KPIs, metrics, and visualizations.

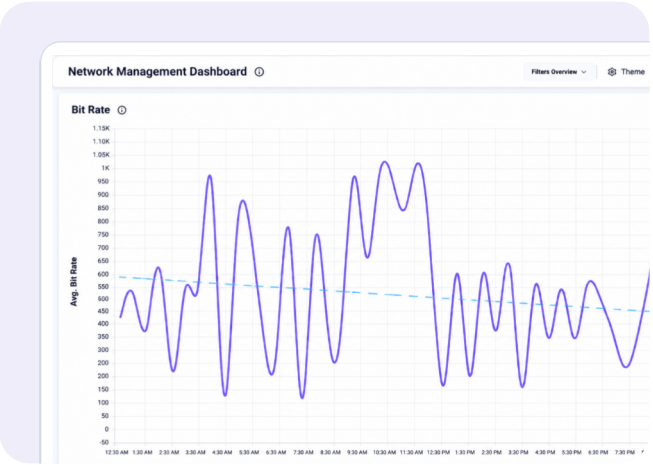
Smart Summaries

Generate AI-powered summaries that highlight key trends, metrics, anomalies, and business insights from dashboards and visualizations.



Dashboard Purpose

Before you start designing a dashboard, understand its purpose. Depending on their purpose, dashboards can be classified as operational, analytical, or strategic.

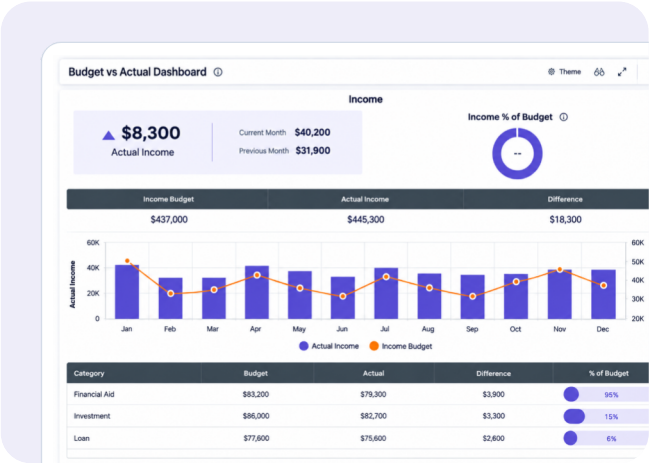


Operational dashboards

Real-time dashboards that monitor current progress and assess process performance are operational.

Strategic dashboards

These dashboards comprise KPIs that are aligned with business strategy and require attention at least once a day at the executive level.



Analytical dashboards

Dashboards that focus on giving users deeper insight into historical data, letting them make ad hoc queries to predict outcomes, are known as analytical.

Interactive Features

Filter

Filter data in a widget at runtime based on a selection in the master widget. Perform hierarchical filtering through filter relationships among multiple master widgets.

Customizable tooltips

Define metrics to display in tooltips at runtime on any visualization widget.

Drill down

Drill into data in a widget to see granular details through hierarchical nested column grouping.

URL linking

Link to a dashboard or webpage within any widget, with or without dynamic parameters.

Drill through

Explore the raw data behind a calculated metric value showcased in a widget to understand the value behind the scenes.

Export options

Export your dashboard or widget view as a report in PDF, Excel, or image format to share with colleagues.

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