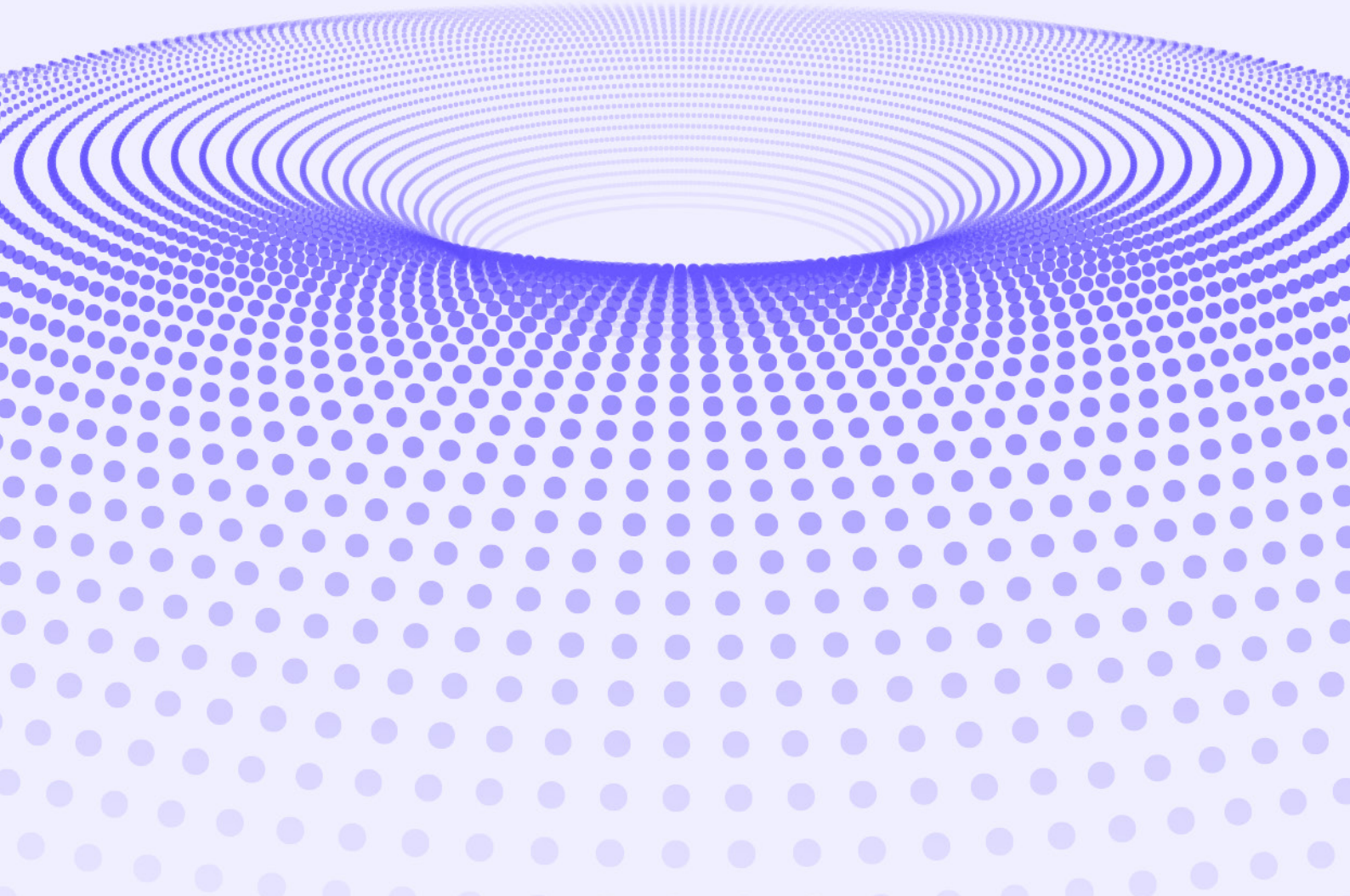
SAVANT

The Future of Data Analytics
AI Powered and Automated



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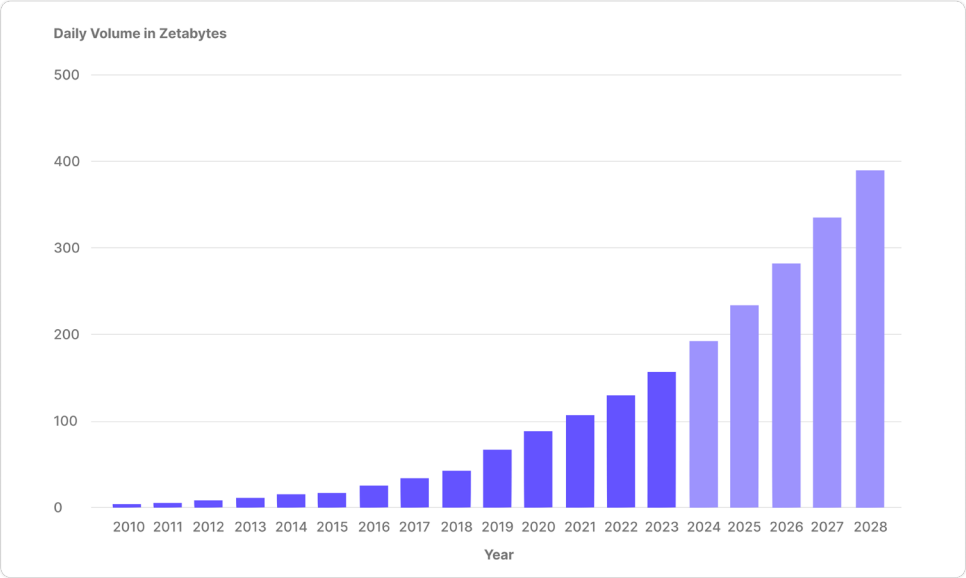
The Evolution of Data Analytics: Why Now?

Data is the raw ingredient that powers the modern world. Almost a century after the information age was made possible by the invention of the transistor in 1947, we generate obscene amounts of it daily. But data alone isn't enough; it's the insights — analytics created from this data — that fuel business competition and success.

The rate of data growth is staggering — the 120 zettabytes generated in 2023 is predicted to *grow by over 50%* in 2025, exceeding 180 zettabytes. Organizations that don't have robust data strategies and fail to transform this ocean of data into actionable intelligence are certain to drown in it.

Global Data Generated Annually



Keenly aware of this challenge, most companies are placing growing importance on utilizing data to guide business decisions, especially enterprises. In a 2023 *survey* conducted by Drexel University's LeBow College of Business, data and analytics professionals were asked about the goals of their organizations' data programs. Data-driven decision making was the top response at 77%, up from 65% in 2021. When considering only large organizations with over 5,000 employees, that number rises to 87%.

The ever-expanding mountain of data and the rise of data-driven decision making, combined with other factors like increasing data diversity and complexity of business operations, have caused the demand for data analytics to skyrocket.

Democratization of Data Analytics — The Key to Your Success

We've seen how the current emphasis on data analytics has come to be. But there's a problem — the state of data analytics at present is untenable in this environment. It's simply too complicated and restrictive for organizations to extract the value they need at the speed and scale required. The reason for this? The monopoly data engineers have over data analytics.

Analytics platforms have always been built to be used by skilled data engineers. These professionals are experts in creating data pipelines; connecting to databases, data warehouses, and data lakes; cleaning, transforming, and integrating data from various sources; and many other data operations vital to conducting analyses, all of which require extensive technical knowledge and coding skills.

This makes data engineers a very highly valued and sought-after cohort. However — this is where the issue arises — there's a scarcity issue. There are only roughly *2 million* of them in the world. That's not nearly enough manpower to manage the stratospheric global demand for data analytics. Most organizations find themselves unable to build large enough teams of data engineers to meet their own analytics needs. There simply aren't enough data engineers, and the few we have can't create reports fast enough to keep up with the demand.

The Future of Analytics: Empowering Analysts

As bleak as it seems, there is a way out of this conundrum. The problem is the scarcity of data engineers. But what is there an abundance of? Analysts. ***80 million*** of them, in fact, in comparison to a paltry 2 million data engineers.

The solution, then, is clear. We must empower analysts to support and supplement data engineers to fill the gap. Enabling analysts to do the things we've always relied solely on data engineers for would immediately solve the biggest problem facing the data analytics industry today.

There's a bit more nuance to it than that, though. A shift like this would reap benefits beyond just meeting the immediate needs of the industry. There are deeper efficiencies and synergies that would come into play.

Benefits of Empowering Analysts

Faster Insights

Analysts, who are closer to the business questions and decision-making processes, can quickly access and analyze data without waiting for data engineers to prepare and deliver it. Analysts can iterate faster, testing hypotheses and refining analyses in real time, giving rise to quicker insights and more responsive decision making.

Increased Efficiency

Enabling analysts to handle their own data needs reduces dependency on data engineers and eliminates a significant bottleneck. Since analysts typically work within business teams, they are quick and agile in responding to needs. Centralized engineering teams, on the other hand, often face long project queues, causing even small changes to take months to implement.

Better Alignment With Business Goals

Data engineers excel at building data pipelines but often lack the business insight needed for operational analytics. Analysts often have a deeper understanding of business contexts and can tailor analyses to better align with strategic goals. Since analysts are directly involved in shaping the questions and metrics that matter most to the business, they can create more relevant and impactful analyses.

Empowerment and Innovation

Giving analysts the tools and autonomy to manage their own analyses strengthens their sense of ownership and empowerment, which can result in higher job satisfaction and better outcomes. When analysts have the freedom to experiment and explore data independently, they are more likely to uncover innovative insights and new opportunities.

Better Resource Utilization

Data engineers can focus on building and maintaining data infrastructure, ensuring that it is robust, scalable, and capable of supporting the organization's long-term needs, while analysts concentrate on deriving insights from that infrastructure. Enabling analysts reduces the need for large data engineering teams dedicated to handling all analytics tasks, ultimately leading to cost savings for the business.

Scalability and Specialization

Empowering analysts across departments allows for a more scalable approach to analytics, as each team can handle its own needs without overburdening a centralized data team. This also creates room for analysts to become specialists in their domain, using specific tools and methods that are best suited to their unique requirements to execute more sophisticated and targeted analyses.

Clearly, there's much to be gained from enabling analysts and reducing the burden on data engineers. More importantly, there's a way to make it happen.

A Blueprint for Next-Gen Analytics Automation Platforms

What will it take to bring this vision of the future to fruition? A complete reimagination of data analytics platforms. As we know, they've typically been designed with data engineers in mind. The analytics platform of the future needs to be built around analysts. What would that look like? Let's explore.

To be successful, these platforms will need to achieve three things: analyst empowerment, business user adoption, and cost-effective performance and scalability. We'll dive deeper into each of these to understand exactly what they entail.

Analyst Empowerment

Current tools are too technical for analysts to use effectively. We need to soften the learning curve and make it easier for them to perform complex analyses without deep technical expertise.

Self-Service Analytics

Next-gen analytics platforms must allow analysts to independently access, manipulate, and analyze data without relying on data engineers. This self-service capability will enable them to quickly generate insights, iterate on analyses, and respond to business needs in real time. Eliminating the dependency on technical teams will help analysts focus on driving business outcomes and exploring data in a more flexible and dynamic manner.

Ensuring that data is easily accessible and organized in a way that aligns with business processes is paramount. The platform should provide seamless access to a wide range of data sources, enabling analysts to explore and leverage data across the organization without barriers.

End-to-End Automation

A comprehensive platform that automates the entire data pipeline — from data collection and integration to transformation, analysis, and delivery — will eliminate the need for analysts to juggle multiple tools or platforms and enable them to manage analytics workflows with minimal manual intervention. Automation will ensure consistency, reduce errors, and accelerate the time from data ingestion to actionable insights.

The platform should support continuous data ingestion and processing, ensuring that analysts always have access to the most up-to-date information. This real-time capability is crucial for making timely decisions in fast-paced business environments.

GPT and AI-Driven Approach

Incorporating GPT and AI-driven features into the platform can significantly lower the technical skills required for analysts to perform sophisticated analyses. Natural language processing (NLP) capabilities can allow analysts to query data, manipulate it, and generate reports by just using conversational language, rather than complex coding or SQL queries. Next-gen analytics platforms will require little to no coding knowledge.

AI-driven tools can also automate repetitive tasks and assist analysts in identifying patterns and predicting trends based on large and complex datasets, thus enabling them to perform more advanced analyses that would otherwise require additional resources.

Business User Adoption

No platform can be successful without a healthy user base. In order to drive widespread adoption of next-gen data analytics solutions, they must deliver more nuanced yet easily understandable insights than traditional platforms. Most importantly, they need to evoke user trust.

Actionable Insights

To drive business user adoption, analytics platforms must focus on delivering actionable insights that are directly applicable to day-to-day operations. Rather than just offering dashboards that track high-level business KPIs, the platform should provide granular insights that help users make immediate decisions and take concrete actions.

The insights provided should be not only relevant but also timely, allowing users to act on them during critical moments in their workflow. Ideally, they would be seamlessly integrated into the tools and processes that users already rely on, minimizing disruption and making it easy for them to incorporate data-driven decisions into their daily routines.

Consumable Insights

To facilitate insights that are not just accessible but also consumable, the platform should offer push notifications and alerts that reach users when and where they need them. This means delivering insights through channels that users already frequent, such as SaaS applications, collaboration tools like Microsoft Teams, or mobile devices.

Insights need to be presented in formats that are easy to understand and act upon, even for non-technical users. This could involve using simple language, visualizations, or interactive elements that allow users to explore the data further if needed. The goal is to make data consumption as effortless as possible, empowering users to make informed decisions quickly.

Trust in Data

The platform can encourage trust in data by providing transparent workflows that allow users to review, audit, and understand how data is processed and analyzed. This includes clear documentation of data sources, transformation steps, and any algorithms used to generate insights.

Standardized, reusable workflows enable consistency in how data is handled and analyzed within and across teams, helping prevent discrepancies. They also save time and effort, as users can apply proven processes to new data sets without reinventing the wheel.

Business-Friendly Structure

Convenience is king, and data analytics is no different. Ease of use goes a long way in simplifying purchase decisions, delivering customer delight, and increasing product stickiness.

Unlimited and Automatic Scale

Infinite users, workspaces, data volumes, and concurrent data processing — all without any degradation in performance or infrastructure-related concerns for the customer — are the expectation. Whether an organization is processing terabytes or petabytes of data, the platform needs to seamlessly handle whatever workload is thrown at it.

Of course, the platform should achieve this scalability without incurring prohibitive costs. Cloud-based infrastructure, dynamic resource allocation, and efficient processing algorithms will have to combine to provide scalable solutions that grow with the business, all while maintaining a cost-effective pricing model.

Modern Security and Governance

Centralized security and governance will be a key feature that customers will look out for, as it eases the burden of access control to manage who can access specific data and analytics resources, and facilitates consistent enforcement of security policies across all users and data assets.

State-of-the-art security and compliance capabilities will be non-negotiable requirements, as customers will want assurances about data integrity and privacy for peace of mind that their organizational data is secure from breaches or unauthorized access.

Cloud-Based Infrastructure

One of the biggest possible quality-of-life improvements would be the total elimination of on-premises infrastructure requirements. Embracing cloud-based solutions can enable customers to avoid the costs and complexities associated with purchasing, and maintaining physical servers, storage, and networking hardware.

Cloud-Based Infrastructure

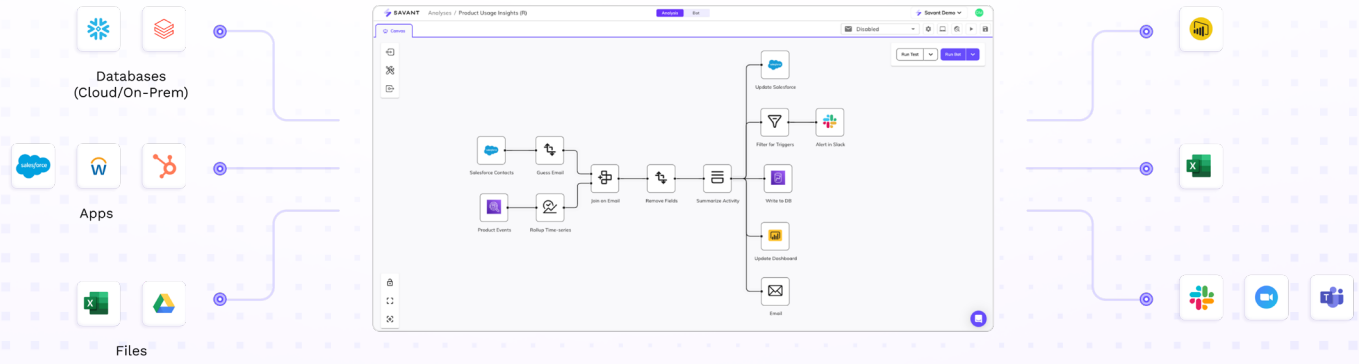
Leaving the burden of infrastructure management with the solution provider frees customer organizations from concerns about IT management overhead. This, in turn, gives them the flexibility to allocate more resources to strategic initiatives and deriving value from their data, rather than managing the underlying infrastructure.

Data Analytics With Savant — The Future Is Now

With such a clear vision for what it would look like, we at Savant would be remiss if we didn't try to bring the analytics automation platform of the future to life. And that's exactly what we've done.

A Brief Look at the Savant Analytics Automation Platform

Savant combines generative AI and automation to accelerate desired business outcomes. Our fully cloud-native platform offers a no-code/low-code approach that empowers your analysts to execute self-service analytics and enable quicker, better business insights.



Data Cleaning, Data Prep, Data Blending

The Savant platform helps automate analytics across business functions, from finance, tax, and HR to sales, marketing, and supply chain. It stands out from the competition in terms of both speed and cost effectiveness. We deliver **10x faster analytics** at **half the total cost of ownership** of comparable solutions.

Key Features of Savant's Analytics Platform

Savant combines generative AI and automation to accelerate desired business outcomes. Our fully cloud-native platform offers a no-code/low-code approach that empowers your analysts to execute self-service analytics and enable quicker, better business insights.

Effortless Analytics Automation

- Self-service analytics
- End-to-end automation
- Actionable insights — not just dashboards
- 200+ data source connectors
- Dozens of templates

GPT and Generative AI

- Generative AI assist for workflow creation
- GPT for ETL and analytics operations

Limitless Scaling and Data Sharing

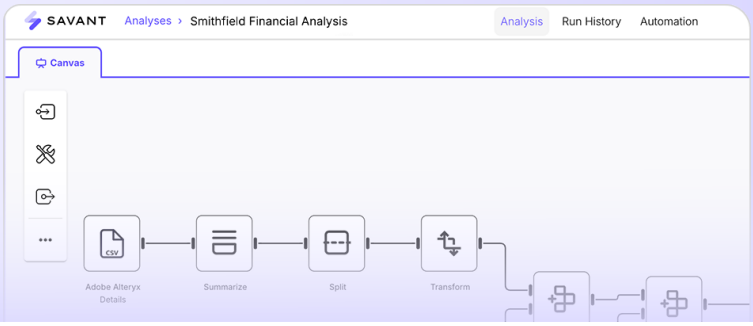
- Unlimited users, data volumes, and data processing
- Standardized and reusable workflows
- Unlimited workflow executions

Governance and Security

- Data lineage tracking
- Data quality rules for accuracy and integrity
- Governed and secure user access
- End-to-end process documentation for transferability and visibility

Business-Friendly Structure

- Cost effectiveness
- Modern cloud-native architecture
- Analytics for all business functions



Results Delivered by Savant

Savant empowers customers to save valuable time, effort, and money by simplifying analytics and accelerating business decisions. Here's a sneak peek at what we were able to do for some of our customers:

Arrive Logistics

Arrive Logistics drives efficient growth with Savant's no-code data flow automation to boost revenue while reducing the burden on data teams.

$500K+ revenue
opportunities within 1 month from insights via self-service analytics

400 hours/month
of manual analytic work eliminated through automation

25% reduction
in data sync and replication costs expected

25% reduction
in data requests to engineers

Learn More

MariaDB

MariaDB accelerates strategic analytics with Savant's drag-and-drop capabilities and automated insights.

40x faster
analytics, transforming executive decisioning

80+ hours/month
saved through no-code automation

Less than 2 hours
to create end-to-end business analytics workflows

Additional analytic workflows
created in minutes
instead of days

Learn More

Stay Ahead of the Curve With Savant

The traditional approach to data analytics you've become familiar with over the years is quickly becoming a relic of the past. The days of time-consuming manual data preparation, overworked data engineers, overlooked insights, and missed revenue opportunities are behind us. The cutting edge of data analytics today is all about efficiency, self-sufficiency, and automation.

Whether you want to use one of Savant's pre-built solutions templates (for finance analytics, tax and audit, supply chain, sales, marketing, etc.) or create your own custom analytic workflows, everything on the platform is designed to be as easy, intuitive, and effective as possible.

Organizations looking to turbocharge their analytics, reach their goals faster, and lower their costs should consider ***scheduling a free demonstration*** or experience the platform firsthand with a ***free trial***.

www.savantlabs.io