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Neuralift AI

THOUGHT LEADERSHIP

From warehouse to winning

Closing the gap between customer intelligence and
real-time activation

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• 01 The customer intelligence paradox

Over the last decade, the enterprise playbook now mandates substantial capital allocation toward data infrastructure. We've now spent a generation of IT budgets chasing the promise of a perfectly unified customer profile, prioritizing marketing technology software (MarTech) over data-driven strategy. Globally, enterprise MarTech spending has scaled past \$551 billion annually.¹ Look closer at the specialized data layer, and you will see that the market for Customer Data Platforms (CDPs) alone has ballooned into an annual \$10.4 billion of business.² Both are expected to double in 5 years and again in 10.^{1,2}



We have never had more data, or more tooling to interrogate it. Yet the customer experience it produces has barely moved.

We invest in all the infrastructure we can get our hands on. Warehouses, pipelines, activation tools, and the army of data analysts and marketing operations teams it takes to run them. By now, every modern enterprise should be humming along.

Yet, the actual consumer experience remains remarkably unchanged.

It is still frustratingly generic, plagued by delayed responses, uninspired targeting, and disconnected interactions. The stack we built is exceptionally good at collecting, storing, and generating historical reports. It can tell you, down to the millisecond, exactly what went wrong three weeks ago. But it is fundamentally incapable of spotting subtle customer context in real-time, deciding the optimal next move, or learning from the outcome.

We are treating a multi-billion-dollar cloud data estate like an expensive digital filing cabinet. The paradigm has to shift entirely. The warehouse must move from being a system of record to a system of discovery.

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02 Discovery changes the starting point



The MarTech stack keeps expanding — more tools, more channels, more integrations to maintain.

We sit in conference rooms and map out customer experiences based entirely on what we think should matter.

We invent arbitrary buckets based on human assumptions. Segments, journeys, lifecycles, categories, tiers, are all based on guesswork about relevance. We assume birds of a feather flock together, completely abandoning the reality that just because people share a geographical location, or an amount of spending, or a recency of interaction, they are somehow all like-minded. We know they aren't.

It all feels clean and organized and looks great on a slide deck or a spreadsheet. But these frameworks are fundamentally constrained by human bias, historical

organizational habits, and the limits of our own creative and cognitive bandwidth. We find the patterns we are actively looking for, or we think exist. And that's all we ever discover about our business.

When you start with biased assumptions, you inevitably end up with generic and weak outcomes.

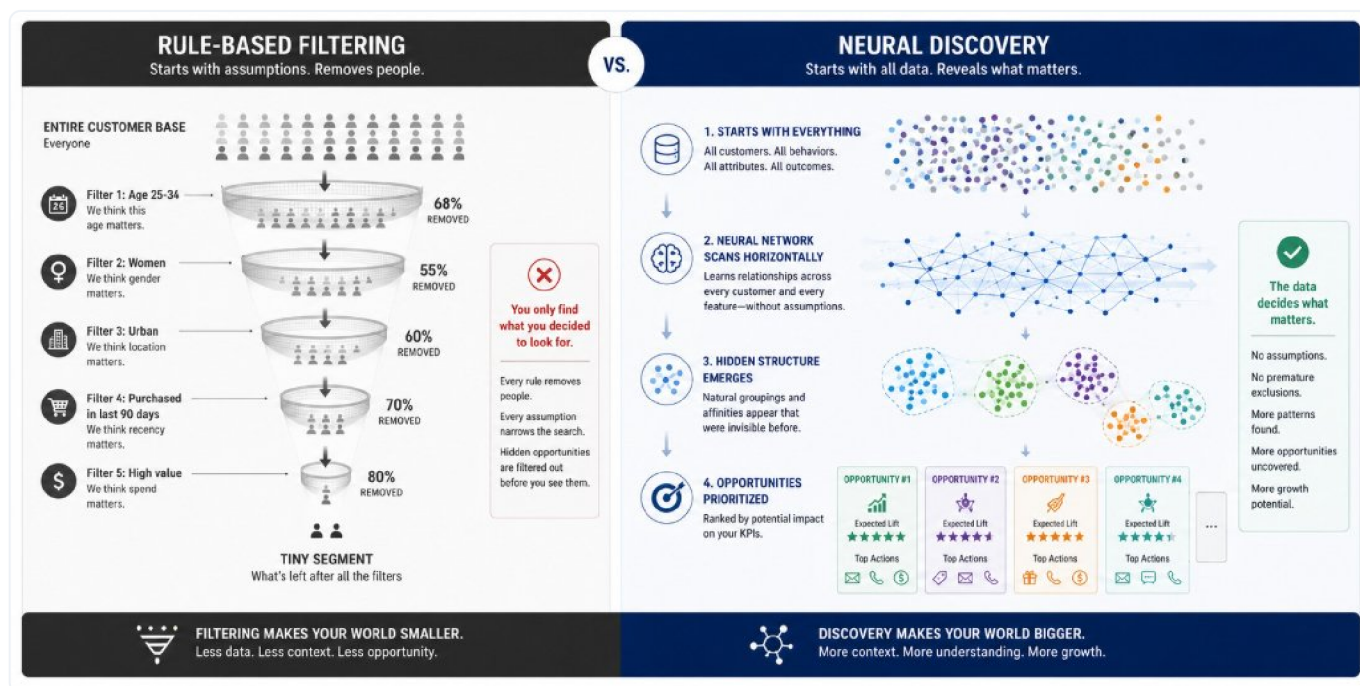
This is where the technology paradigm splits.

True discovery isn't about writing a slightly more complex SQL query or building a tighter demographic filter. It requires a shift in core computing mechanics. Deep learning neural networks running on high-performance SOTA (state-of-the-art) GPU computation can discover the latent patterns in customer data that are not observable to humans.

They specifically don't make any assumptions. And they never look at one isolated channel, behavior, score or feature at a time. Neural networks explore the data randomly in a non-deterministic, non-linear, unconstrained, and multi-dimensional way. Exploring the data to learn from it.

That's where Neuralift comes in: a customer discovery and context layer built for absolute relevance.

Instead of just validating what your analytics team already suspects, it forces non-obvious behavioral clusters directly to the surface. It maps things like "latent future value" in mid-tier populations, flags non-intuitive churn risks, and uncovers unexpected affinities across entirely unrelated products, offers and content. It can also unearth suppression opportunities, showing you, for example, exactly who to keep out of a discount campaign because they were already going to convert at full price.



Rule-based filtering starts with assumptions and removes people until a tiny segment is left. Neural discovery starts with all the data and reveals the structure that was already there.

• 03 Discovery alone is not enough

Data science teams can pull off brilliant predictions. They can build models for things like scoring a segment of mid-tier customers for time-sensitive churn risk and send that to Marketing.

Then, momentum hits a brick wall.

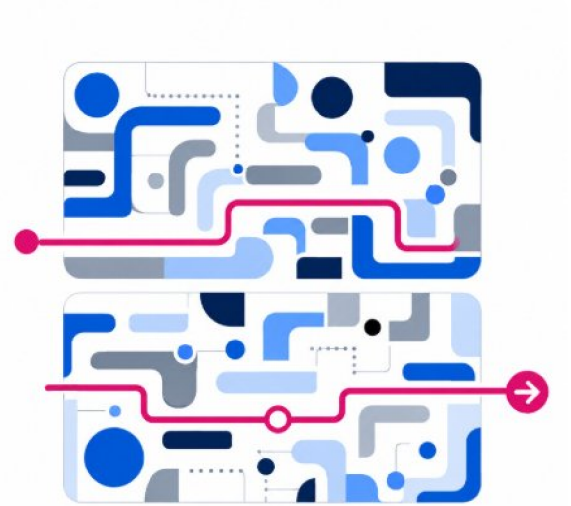
Marketing campaigns rarely fail to launch because of a lack of ideas or channels. Failure to launch is the spaces in between. The messy middle, where customer data, segments, predictive models, business logic, measurement and channel delivery struggle to stay connected.

Predictions stall at dashboard insights, static reports, manual exports, or high-level briefs. Finding a goldmine hidden within enterprise data means absolutely nothing if the organization cannot instantly translate that context into real-world response.

A data operational environment must connect dozens of moving parts simultaneously including, the right channel, the precise message, offer eligibility, timing, regulatory governance rules, and more.

By the time a discovered action is manually pushed through legacy tools and cleared by disconnected departments, the consumer has often moved on. Behaviors are fickle and moments to reach them come and go.

This friction defines **decision latency**; the destructive lag between discovering a recommended customer opportunity and activating the right action.



Decision latency: the lag as insights thread the maze of tools and hand-offs between discovery and action.

Discovery without activation creates intelligence debt.

Discovery without activation creates intelligence debt. Every missed insight costs capital to organization, structure, and compute while generating zero, possibly negative, commercial traction.

The next competitive edge is not more dashboards. It is finding non-obvious but existing customer structure and stitching together deeper-level context while also significantly reducing the latency between insight and action.

04 The new operating model: discovery › decision › action

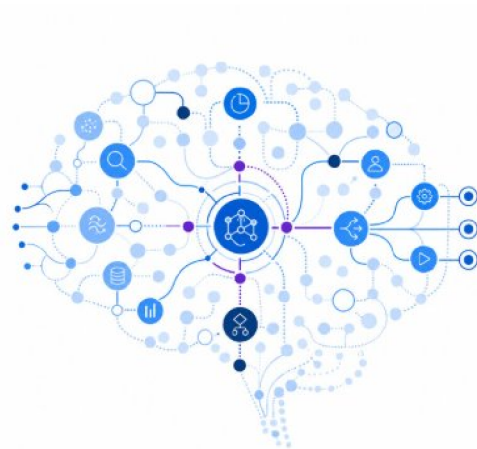
As enterprises have learned, trying to solve the execution crisis by simply purchasing another point-solution just ends up widening this chasm. True operational agility requires unified architecture where discovery and execution act as a single, analytical brain.

Neuralift discovers what marketers cannot see, translating huge amounts of raw, horizontal data into KPI-linked, decision-ready customer context.

SAS Customer Intelligence 360 (CI 360) then takes the wheel, operating directly inside the critical decisioning and execution space, serving as the single enterprise orchestration layer that connects data, decisions, and delivery.

The power of CI 360 lies in how it operationalizes this intelligence and contextual awareness without introducing technological friction. Rather than demanding costly, risky data migrations, its hybrid composable architecture accesses customer data directly where it lives, whether in cloud data stores, on-premises databases, or existing MarTech tools. It pulls only what is required at the exact moment of engagement, preserving strict data governance while eliminating synchronization overhead.

Once connected, the platform evaluates intent, business rules, and predictive models on the fly directly inside the active journey canvas. Instead of dumping analytical choices onto a disconnected batch process, CI 360 selects the optimal next-best-action in real time. And then orchestrates seamless two-way engagement across desired channels.



One connected architecture: data, discovery, decisioning and delivery operating together.

The handoff between Neuralift and CI 360 is critical. It is completely decoupled from the legacy approach of a slow, reactive segment export. Instead, it is a dynamic transfer of contextual relevance bringing to the surface exactly who the customer is, why they matter right now, what specific opportunity exists, what action is recommended, who should be suppressed, and what the outcome is that needs to be measured.

Real-time without discovery will just accelerate old assumptions. If you have sub-second latency but your underlying logic is still trapped in broad, demographic log files, you are just amplifying irrelevant noise at your customer faster than you were before.

To see what this looks like when the gears are aligned and locked, look at a representative Sports & Entertainment organization faced with managing season ticket renewals.

CASE STUDY Sports & Entertainment · Season ticket renewals

The organization is sitting on a healthy repository of first-party consumer data: think historical ticketing, stadium entrance logs, app opens, streaming viewership, merchandise browsing and spend, and email engagement. A multi-year season-ticket holder in a lower-tier seating section has quietly stopped scanning into games in person. Their legacy renewal model reads this as a straightforward signal: attendance is down, so this account is a churn risk, flag for a discount to win them back.

But the fan's full digital footprint tells a different story.

While their in-person entrance scans have dropped, they haven't disengaged at all, they're streaming every single game on the team's app, and their merchandise spend has actually climbed over the same period. They've simply shifted how they follow the team, not whether they follow the team. To a legacy attendance-based model, this looks identical to a fan walking away.

Neuralift scans across these horizontal, multi-signal data points simultaneously. It spots that the drop in physical attendance is paired with rising engagement elsewhere, instantly recognizing that this individual isn't a churn risk, they're a loyal, high-value fan whose habits have moved, not faded. Neuralift packages this insight into decision-ready context and hands it off to CI 360.

CI 360 instantaneously picks up the context, pulls this fan out of the generic "win-back" discount queue that would have cheapened the relationship and wasted margin, and instead triggers a personalized renewal outreach ahead of the deadline, one that acknowledges how they actually engage with the team, with no discount required.

The fan renews at full price. The renewal feeds back into the discovery cycle, refining the model before next season's cycle begins.

Now multiply that supporter by the thousands across the season-ticket base. The upside is too great to ignore. And this is just a single discovery. There are plenty of season ticket holders actually at-risk the team is also likely not aware of.

• 05 Trading the stack for the loop

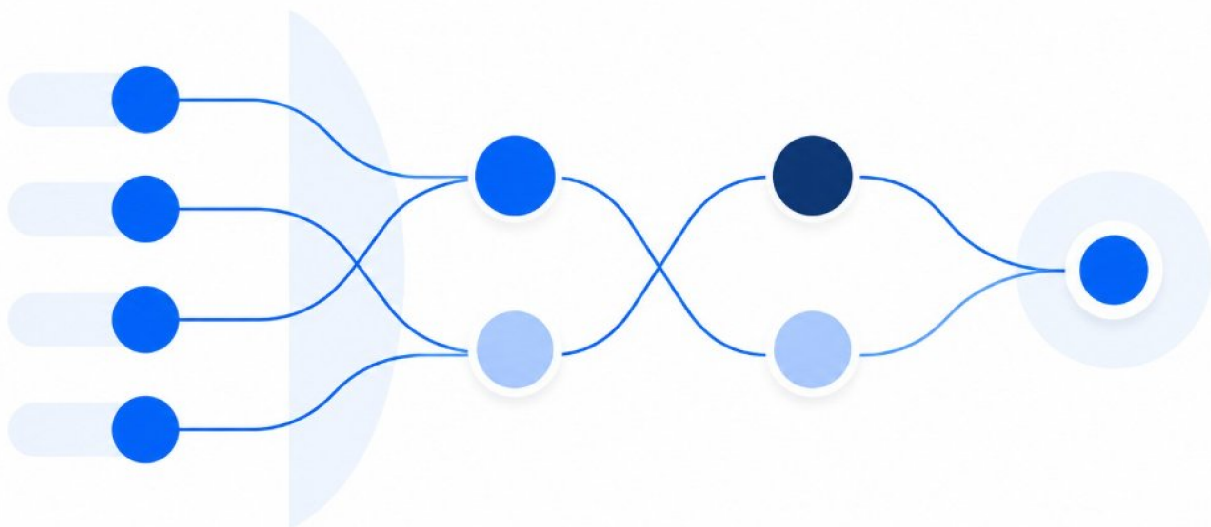
The industry has conditioned marketing leaders to solve execution failures by buying more software.

We buy the shiny new analytics tool or plug in another specialized dashboard, operating under the assumption that tool collection equals operational agility. It does not. In fact, most of the time it just slows everything down.

True customer engagement isn't won with a bigger stack. It's won built on a closed learning loop from data to discovery to action to execution.

Transitioning to this model requires a mind shift. It means moving away from the vanity metrics of data hoarders and focusing entirely on reducing decision latency.

All of the pieces are there to transform time-to-value from your data. They just need to be organized and assembled properly.



If you want to put a stop to your intelligence debt and run a truly agile operation, the new corporate playbook demands four specific strategic mandates:

01 Define your evergreen use cases and the exact KPIs that measure commercial success.

Throw out your vanity engagement metrics. Focus first on the evergreen use-cases that lift enterprise value. Things like raw churn reduction, premium product adoption, lifetime value headroom, visit frequency, and margin preservation through intelligent offers. Next, make sure you understand the measures of use-case success and have access to the data that supports measuring and optimizing those outcomes at the customer or target ID level, so decision context can be fully exposed to downstream activation tools.

02 Apply a neural network layer to your data to surface decision-ready context.

This is where you abandon building broad segments based on human assumptions. Replace those with horizontal deep learning to discover contextually relevant segments to your use case. The goal is to extract precisely what matters to a customer right now, which business metrics can be lifted, and what exact real-time treatment is required to solve the use case.

03 Calculate and confront your decision latency.

Measure the time it takes to go from identifying an opportunity to execute a live, personalized customer touchpoint. If your discovery layer operates at sub-second speeds, but your campaign orchestration engine takes three days to clear compliance rules or push a notification, the commercial value of your data evaporates in bureaucratic lag. Discovery and decisioning need to act as a single, unified brain.

04 Turn real-time execution into a continuous, learning loop.

Scale is maintained through continuous feedback. Every time a consumer interacts, buys, or ignores an offer, the outcome of that event must immediately route back as a new and updated data point. This ensures your models refine the next predictive cycle in real-time, shifting marketing from a series of disjointed campaigns into a living, self-improving system.

The era of managing data infrastructure as a passive, dusty filing cabinet is over.

True competitive differentiation and velocity belong to enterprises that can close the gap between customer intelligence and frontline execution. Neuralift and SAS CI 360 don't just connect the dots; they build a closed learning loop. By uncovering and stitching hidden pockets of behavioral intelligence together, the platform model moves customers from intent to action, which successfully delivers measurable commercial value without delay.



ABOUT SAS

SAS is a global software company providing advanced analytics, AI and data management solutions to organizations across industries. It's Customer Intelligence 360 is an AI-powered customer engagement platform that turns customer insights into real-time, personalized actions across every channel. It delivers the intelligence in the critical middle layer - connecting your data foundation to journey orchestration and activation at scale.

sas.com >



Neuralift Ai

ABOUT NEURALIFT AI

Neuralift is a cutting-edge startup pioneering the use of deep learning to drive better marketing and CX outcomes. Its flagship product acts as the discovery layer between your data warehouse and activation, applying neural networks to your first-party data to surface the non-obvious behavioral structure that rule-based analytics miss. It then packages it as KPI-linked, decision-ready context and actions for real-time activation.

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SOURCES

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