Bridging the Data to Decision Divide:

Powering Smarter Supply Chain Decisions with Decision Intelligence

DataArt

Cloverpop by CLEARBOX DECISIONS, Inc.

Benefits of Resilient Supply Chain

A resilient supply chain minimizes disruptions, adapts to volatility, and recovers quickly — driving measurable value across revenue, costs, and customer trust.

Increased Revenue & Gross Margin

- **+3% revenue growth** from reduced stockouts and faster time-to-market.
- **+1-3% gross margin improvement** via optimized sourcing and reduced expedited freight costs.
- **Up to $50 million in captured demand** from avoiding disruptions (e.g., weather, supplier failures).

Reduction in Working Capital

- **$10-$15 million** in inventory carrying costs through dynamic safety stock optimization.
- **Up to 20% lower** obsolete inventory via demand-sensing and agile production.
- **10-15-day** reduction in cash-to-cash cycle time from streamlined supplier payments

Improved Customer Satisfaction

- **+5% on-time delivery rate,** leading to higher repeat purchases.
- **Up to 90% reduction** in backorders through predictive inventory allocation.
- **+3-point increase** in Net Promoter Score due to reliability.

Reduced Costs & Waste

- **-$5-$10$ million** in logistics costs (e.g., rerouting, penalties).
- **15-20% less excess raw material waste** through just-in-time replenishment.
- **Up to 25% lower expediting spend** by diversifying supplier networks.

Barriers to Taking Effective Decisions

The ability to make effective decisions is critical, but **current decision systems and processes are inadequate.**

Breakdown in Speed

- Decisions can't keep up with the pace of change (Existing planning is not longer right).
- Lack of timely info on risks and opportunities

Breakdown in Data

- Lot of data, not clear or relevant what matters
- Dashboards tell what happened, not root causes
- Planning that relied on historic data for reactive defense is even less relevant now for proactive action postures in a new future.

Breakdown in Coordination

- "War rooms" not effective in Decentralized/Dispersed organizations
- Cross-functional trade-offs break down in siloe'd organizations

In a world of constant uncertainty, decision-making is breaking down — too slow, too siloed, and overwhelmed by noise

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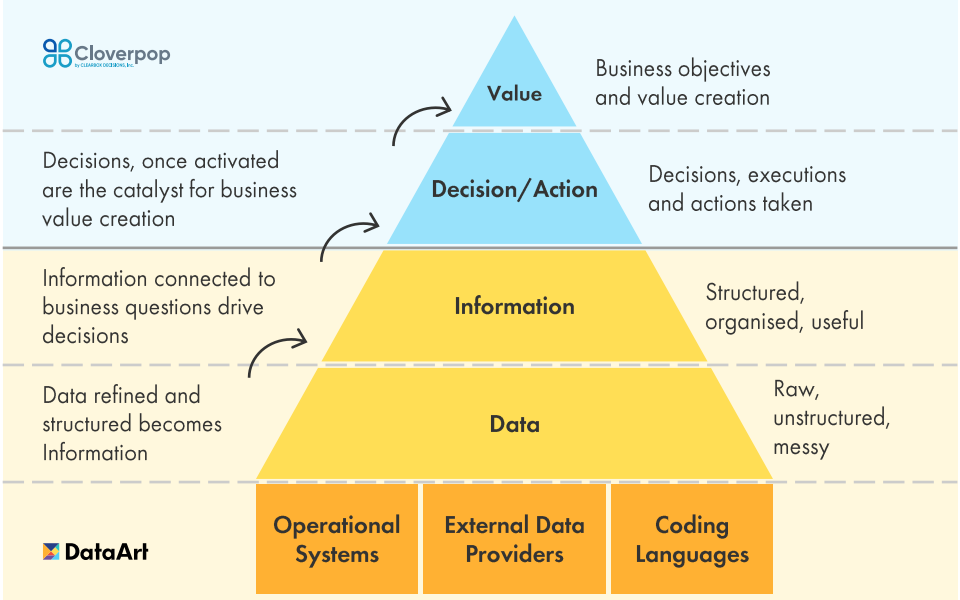
Closing Data to Decision Divide



Cloverpop, the leader in Decision Intelligence, and **DataArt**, the leader in data and tech solutions, have partnered to bridge the data-to-decision divide in supply chain.

Together, we combine cutting-edge AI-driven decisioning, scalable cloud-native platforms, and deep domain expertise to transform fragmented data into actionable and collaborative decisions — helping enterprises navigate volatility, optimize trade-offs, and act with confidence at the speed of modern demand signals.

Enabling E2E Data to Decision Connection

Illustrative Example

Objective	Levers	Decisions (non-exhaustive)	Capabilities/Analytics	Data
Supply Chain Excellence	**Sourcing**	• What is the optimal balance between scrap risk, working capital, and savings? • Which competing commodity sourcing choice offers the best value? • How should working capital and CapEx be allocated in outsourced manufacturing? • How do we minimize supplier risk/ensure sourcing consistency	• Should-Cost Model • Supplier Risk Scoring • Tariff Impact Simulation • Spend Optimization	**Internal Data Sources** • ERP Systems • OMS • WMS/TMS • POS & eComm sales data • SRM/procurement Systems • PLM Systems
	Inventory	• How should we handle slow-moving or obsolete inventory — redeploy, discount, or dispose? • What safety stock and cycle stock levels should be set? • How can we reduce inventory costs by balancing service level risk? • How can we ensure end-to-end inventory visibility across the network?	• Inventory Optimization/ safety stock • Service level trade off model • Obsolescence & Slow mover • Inventory network visibility	**External/Third-Party Data** • Market intelligence • Social media • **ESG Databases** • Weather data feeds • **Regulatory Data**
	Distribution/ Warehousing	• How can logistics operations be optimized to maximize capacity utilization and reduce cost? • Where are bottlenecks in warehousing and transportation that affect service levels? • Which performance drivers productivity) most affect OTIF?	• Warehouse demand modeling • Throughput analysis • Robotic process automamtion	

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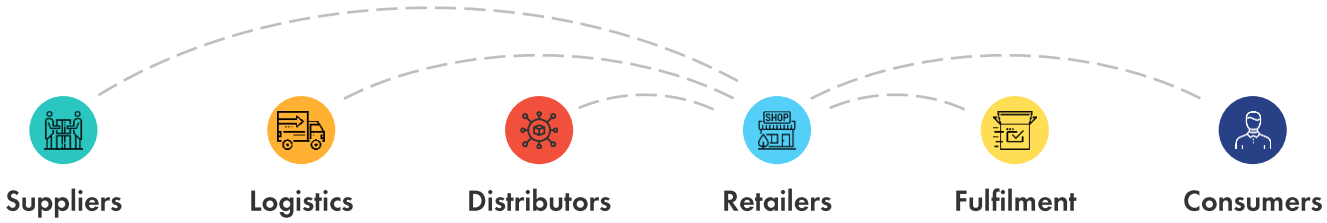
We help businesses solve supply chain challenges by turning complex data into actionable insights — strengthening resilience and delivering real business value. Below is a snapshot of the major challenges we address and the tangible benefits your organization can realize by partnering with us:



Suppliers

Challenges

- High supply risk
- High working capital
- Lack of visibility

Value

- ✓ Cost-effective sourcing
- ✓ Financial agility
- ✓ Resilient supplier base

Logistics

Challenges

- Inefficient transport capacity usage
- Rising cost per unit delivered
- Time Intensive data sourcing

Value

- ✓ Reduced logistics costs
- ✓ Higher Logistics agility
- ✓ Faster decision-making

Distributors

Challenges

- Poor inventory visibility
- Bottlenecks in DC operations
- Excess or obsolete inventory

Value

- ✓ Smoother DC operations
- ✓ Lower inventory costs
- ✓ Improved OTIF performance

Retailers

Challenges

- Demand & supply Misalignment
- Ineffective inventory planning
- Overcomplex SKU portfolios

Value

- ✓ Integrated planning
- ✓ SKU rationalization
- ✓ Accurate forecasts

Fulfilment

Challenges

- Fragmented order orchestration
- Lack of visibility into order status
- Can't prioritize high-value orders
- **Value**

- ✓ Centralized order management
- ✓ Improved SLA adherence
- ✓ Better customer Experience

Consumers

Challenges

- Stockouts on key SKUs
- Promo-stock misalignment
- Poor visibility across channels

Value

- ✓ Smarter omnichannel execution
- ✓ Increased conversion
- ✓ Better marketing planning

Contact Us

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