How predictive analytics can impact supply chain management

Employ superior supply chain management to boost operational efficiency & effectiveness and reduce overall cost to serve.

PROJECT	PROBLEM	ANALANCE SOLUTION

Forecast Demand Patterns

Consumers' reaction to stockouts

97% of supply chain executives report fluctuating consumer demand as their biggest challenge.

37% buys a different brand

21% buys same brand elsewhere

16% buys another item from same brand

17% returns purchased item later

9% buys nothing

60% - 80% Loss in expected sales when stockouts occur

ANALANCE SOLUTION: Analyze the variability in past demand patterns and forecast future demands to improve service levels and SKU profitability. Gain control over inventory by determining the right safety stock levels. Reduce the occurrence of having excess stock, stock-outs, and supply shortfalls. Improve working capital, lead time, and order fulfilment for increased customer satisfaction.

Improve Tracking & Traceability

30% of organizations consider these the biggest issues to monitor:

Traceability

Environmental concerns

45% of supply chain executives say that they are experiencing increased pressure for regulatory compliance and internal compliance to contracts

6% of companies have full visibility within their supply chains.

ANALANCE SOLUTION: Get visibility and track product movement from source to consumer. Through sensors and predictive analytics, get real-time visibility of product location and destination. Improve process integrity to boost cost-efficiency and lower response time. Trace product origin and condition to mitigate risks by proactively identifying defects, compliance issues, and product recalls.

Streamline Logistics Operations

29% of consumers abandon shopping upon receiving an incorrect delivery just once.

Logistics Costs
TOTAL: $1.4 trillion

63% Transportation

ANALANCE SOLUTION: Anticipate future delivery and shipping patterns to effectively plan transport routes, manage manpower, and ensure right inventory levels. With real-time data from embedded sensors, optimize inbound and outbound flow of goods. Better meet delivery demands and schedules while reducing cost to serve customers, streamlining operations, and improving ROI.

Optimize Supplier Management

>100 Million Hours

$1.98B WASTED annually in procurement, supplier management, and freight-administration functions

3 HRS WASTED per shipment due to businesses using phone of email to request and funnel data between trading partners.

ANALANCE SOLUTION: Identify optimal vendors to measure performance, improve efficiency, and reduce total landed cost. Use clustering methods and predictive analytics to comb through various dimensions such as supplier commitments and lead time. Conduct a what-if cost modeling and identify the ideal supply methods, shipping carriers, and which products to make or buy.

For more information, call us at 1-844-Ducen IT or visit www.analance.com

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