

Gartner for Supply Chain

Supply Chain Analytics Scorecard



Maturing in the adoption of supply chain analytics is key to supply chain digital transformation. But supply chain leaders struggle to assess their organization’s current level of analytics maturity. As a starting point to advancing in maturity, supply chain analytics leaders must gauge their organization’s current analytics capabilities. This guides their future efforts to improve analytics adoption and reap the benefits along the way.

The **Gartner Supply Chain Analytics Scorecard** can be used to diagnose the maturity of your strategy, comparing it to best-in-class use cases. With your score in hand, you can then determine the activities and investments you should prioritize to reach the next level of maturity.

	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Goal	Understanding siloed, fragmented and after-the-fact performance	Improving functional performance and decision making	Improving cross-functional performance across the end-to-end internal supply chain	Improving the performance in the extended supply chain across trading partners	Improving performance in a network of trading partners with emphasis on creating shared value
Focus	Use cases on establishing after-the-fact visibility into siloed supply chain past performance	Use cases focus on establishing better and consistent visibility into individual function	Use cases focus on establishing visibility and performance measurement of cross-functional internal processes	Use cases focus on building visibility into extended supply chain processes in collaboration with trading partners	Use cases support visibility into the network and measuring networkwide and individual trading partner performance
Data Sources	Disjointed documents, Excel spreadsheets	Back-end systems, ERPs, supply chain functional systems	Back-end systems, ERPs, cross-functional supply chain systems, dedicated supply chain data sources	In addition to internal data from across the enterprise, external data sources from B2B trading partners	Leveraging big data from IoT, public sources and trading partners’ networks

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Data Management	Reliance on manual data cleanliness and harmonization that results in high level of errors and lack of confidence in data quality	Data quality improves in functional areas, but there are major challenges with consistency in the definition of data and data governance across supply chain functions	Major efforts for data consistency and harmonization with other business areas and across supply chain functions	Focus on consistency, standardization and improved data governance with external trading partners	Work with trading partners' networks and participate in industry consortia for data standardization and data governance
Technology	Mostly Excel spreadsheets	Embedded analytics in functional supply chain solutions to support functional processes Continued reliance on Excel spreadsheets with some use of business intelligence (BI) solutions to manage functional supply chain performance and metrics Limited use of data science and advanced analytics platforms to augment the capabilities of commercial tools and tackle unique use cases	Embedded analytics in integrated supply chain management suite solutions that can support cross-functional supply chain processes Less reliance on Excel, in favor of enterprise BI tools to support cross-functional supply chain visibility and metrics Increasing use of data science and advanced analytics platforms to target cross-functional use cases	Embedded analytics in multienterprise supply chain management suites B2B integration for one-to-many multienterprise visibility Extensive use of data science and advanced analytics platforms to support multi-enterprise use cases	Embedded analytics in business network solutions to support many-to-many use cases B2B integration for many-to-many multienterprise visibility Extensive use of open source and data science platforms to build analytics solutions that support unique use cases that align new business models

Build a strong supply chain analytics strategy: How we help

Supply chain excellence depends on strong supply chain analytics strategy. Yet for many organizations, successful supply chain analytics adoption faces many challenges: Few have the data foundation needed; talent and skills relevant to supply chain analytics are limited; and adoption of supply chain analytics is low because ROI is unclear. To make better supply chain and organizational decisions, supply chain analytics leaders should harvest accurate and comprehensive data, secure the technical and business skills needed to maximize its value, and invest in real-time supply chain analytics and digital solutions. We can help supply chain leaders build a strong supply chain analytics strategy. Visit gartner.com to learn how we support our 2,500+ supply chain leader clients with insights, advice, data and tools.

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