M9L13. Framework for Data and Business Integration

Slide #1



- Need for integrating data analytics
- Failure rate of data-driven initiatives is 60%-85%
- Successful incorporation of data analytics into business should include:
 - · Careful planning
 - · Robust infrastructure
 - Skilled personnel
 - Deep understanding of the potential pitfalls
- This can help mitigate risks, and promote growth

The advent of computation driven business models has brought about significant disruptions in numerous industries.

To stay competitive and foster growth, enterprises are compelled to explore opportunities for integrating data analytics into their operations.

However, it's important to acknowledge that implementing data driven initiatives is not without its challenges.

According to a Fortune article, experts estimate failure rates for such initiatives to range from 60% to 85%.

This highlights the complexity and difficulty associated with successfully incorporating data analytics into business strategies.

Enterprises must approach these endeavors with careful planning, a robust infrastructure, skilled personnel, and a deep understanding of the potential pitfalls.

By doing so, they can mitigate the risks and increase their chances of harnessing the power of data analytics to drive growth and achieve their desired outcomes.

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The following key steps should be followed:

To increase the chances of success, several key steps should be followed.



STRATEGY & BUSINESS VALUE CHAIN



IT SYSTEM & DATA
ANALYTICS



HUMAN-COMPUTER INTERACTIONS

It's essential to be clear about the business strategy and objectives.

This ensures that data analytics initiatives are aligned with the overall goals of the organization, enabling focused and targeted efforts. Understanding the value chain and identifying opportunities for improvement is another vital aspect.

By analyzing the various activities and processes within the value chain, businesses can pinpoint areas where data analytics can have the most significant impact and drive value.

Establishing a business-driven computer human collaboration is crucial.

By bringing together experts from corporate strategy, business units, IT, data science, and other relevant functions, companies can ensure that data analytics solutions are developed in alignment with business needs and priorities.

A business-driven approach enables strategic and purposeful integrations of data analytics solutions resulting in improved decision making, operational efficiency and competitive advantage.

By following a business-driven approach, organizations can effectively leverage data analytics to enhance their value chain and drive business success.

It enables a strategic and purposeful integration of data analytics solutions resulting in improved decision making, operational efficiency, and competitive advantage.