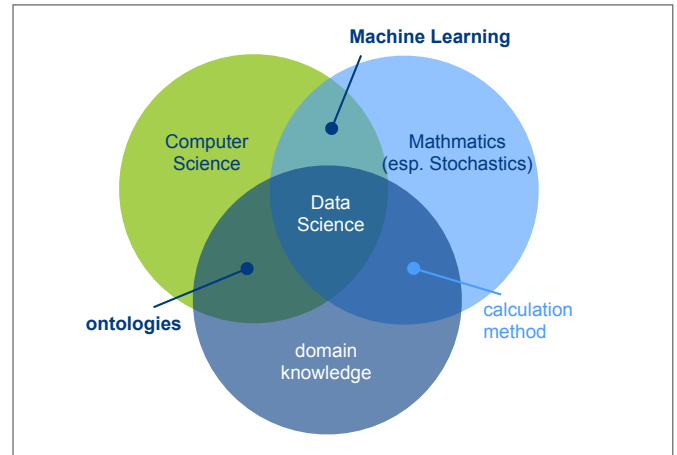
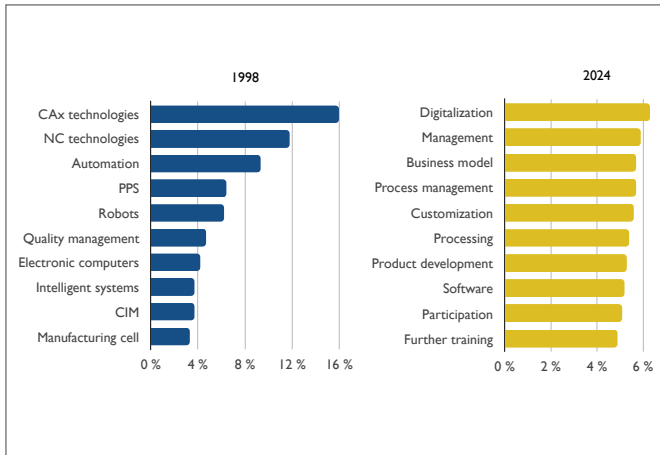


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Computer Use in Industrial Business Processes: A systematic literature review of the last 40 years

Industry 4.0 Science and its predecessor titles have been accompanying software development in industrial business processes for 40 years. To mark the 40th anniversary, we examine how topics, trends and influencing factors have developed over two decades. Which focal points remain relevant?

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Hybrid Decision Support in Product Creation: Improving performance with data science and artificial intelligence

Modern technical systems are characterized by increasing complexity and expanding networks. The development of products and processes therefore requires greater interdisciplinary cooperation. At the same time, the need for sustainability brings about further challenges. This is where hybrid decision support comes in.

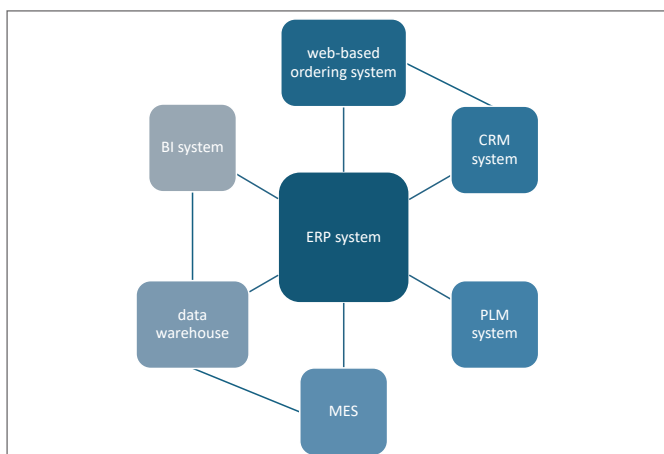
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**Distributed Application Integration in Industry:
Employing microservices for enterprise application
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To successfully digitize their operations, companies must adapt their processes and train their employees. Above all, new technologies must be incorporated into the existing system landscape. Microservices enable a flexible and efficient application integration.

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**Circular Economy as a Holistic Strategy:
Complexity management and sustainability**

The constant advance of digitalization confronts companies with new challenges and opportunities. Immediate data processing is now ubiquitous and the benefits are obvious. However, broadband coverage in Germany is patchy, which makes it difficult to improve processes.

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