

English-language abstracts

From Data Economy to Artificial Intelligence. Current trends in Data Production and Management.

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In recent years organizations are transforming their business processes and decision-making structures in a data-driven direction. This transformation aims at exploiting the large volumes of data that are produced and managed by modern organizations. In this context, data becomes one of most precious resources for social and economic growth, as part of a global ecosystem of data-driven products and services. The latter ecosystem is coined as data economy and is currently giving a significant boost to the competitiveness of businesses enterprises and state organizations. At the same time, the rise of the data economy is propelling a transition towards the era of Artificial Intelligence (AI). Indeed, the availability of proper and adequate datasets is a prerequisite for the development and deployment of most AI systems (e.g., Machine Learning applications). This article discusses the emergence and the rise of the data economy. It also explains how the data economy is boosting the transition to the era of AI. Moreover, it presents some of the main challenges of this transition, while providing relevant solutions guidelines.

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