Industrial Examples of Graph Applications

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Abstract:

Graph-based computational methods have been used in various contexts to tackle the inherent complexity of large, relationship-oriented datasets. They promise the ability to handle the semantics of the data, as opposed to purely statistical methods.

From cybersecurity risk evaluation to automated driving, and knowledge management, we present a few sample applications where graph-based methods are being applied to real-life engineering challenges in an industrial context.

These very diverse applications show the power of graphs to represent and process complex information effectively.

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