3. AU2020103766 - METHODOLOGY FOR OPTIMIZING THE PERFORMANCE OF DATA LEARNING CONVERGENCE WITH MINIMAL COMPUTATIONAL STEPS

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Title
[EN] Methodology for Optimizing the Performance of Data Learning Convergence with Minimal Computational Steps

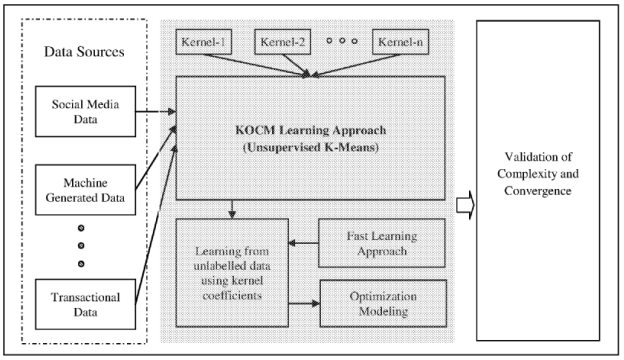

Fig. 1 KOCM: Block-oriented architectural system

Abstract
[EN] Methodology for Optimizing the Performance of Data Learning Convergence with Minimal Computational Steps Actually, unsupervised learning and deep learning have widely accepted for a better variety of information extraction during big data learning scenarios. And mostly big data streams get generated from multiple sources and comprises of the hidden and undisclosed patter of information attributes, which requires efficient data learning mechanisms to be implemented for a better scope of knowledge exploration. Since big-data includes largely unlabelled data, comprehensive invention efforts have been made to implement unsupervised learning modeling. However, in terms of sophistication and learning time, there is still a gap in the traditional analysis methodology, restricting the effectiveness of the big-data analytics environment. In this invention, a method for maximizing the convergence efficiency of data learning with limited computational steps is proposed to solve the problem of complexity and learning time. This invented method is useful for enhancing both processing performance and computational speed, and can outperform current unsupervised approaches with a wider breadth of applicability to futuristic applications of big data analytics. Fig. 1 KOCM: Block-oriented architectural system