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(57) Abstract :
 METHOD AND SYSTEM FOR DYNAMIC GRAPH ANALYTICS FOR PREDICTIVE DATA SCIENCE IN LARGE-SCALE NETWORKS ABSTRACT The invention describes a method and system for Dynamic Graph Analytics in Large-scale Networks, facilitating Predictive Data Science. The method involves a computer-implemented process (102) for analyzing dynamic graphs within extensive networks. Real-time data from large-scale networks is received and processed by a data input module (108), leading to the dynamic construction and updating of a graph by a graph construction module (110) representing relationships between entities. Predictive data science algorithms are applied by a predictive analytics module (112) to derive insights and predictions regarding future interactions. Visual representations and reports are generated using a visualization module (114) based on the predictive insights obtained from the dynamic graph. The accompanying system (Claim 2) comprises modules (108, 110, 112, 114) for data input, graph construction, predictive analytics, visualization, and a storage module configured for storing historical and real-time data, collectively enhancing Predictive Data Science in Large-scale Networks.

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