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(57) Abstract :
 Embodiments of the present disclosure relates to a system (100) and method (300) for applying domain-specific ontology and advanced analytical techniques to enable meaningful interpretation and extraction of insights from complex time-dependent datasets. The system (102) comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to create a domain-specific ontology to capture relevant concepts, attributes, and relationships within a target domain. Next, the processor (202) is configured to process time-series data by applying the domain-specific ontology. Thereafter, the processor (202) is configured to detect meaningful patterns, trends, and cyclic behaviour in the processed time-series data. In the end, the processor (202) is configured to forecast future trends and behaviour based on the visualized time series data

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