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(57) Abstract :

An AI-driven business decision support system includes a data ingestion interface (101), a stream normalization engine (102), a feature synthesis module (103), an AI inference engine (104), a decision orchestration controller (105), an explanation generator (106), a user delivery console (107), and an outcome feedback repository (108). Real-time enterprise data is standardized, transformed into contextual analytical states, and processed to generate predictive outputs. Ranked action recommendations are produced under policy constraints and delivered with interpretive rationale. Recorded post-action outcomes are used to refine later recommendation quality in dynamic business environments.

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