

DEEP LEARNING-BASED AUTOMATIC PROCESSING METHOD AND SYSTEM FOR UNSTRUCTURED DATA

ABSTRACT

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The present invention provides a deep learning-based automatic processing method and system for unstructured data, and relates to the technical field of data processing. The method includes: acquiring the unstructured data by an intelligent data collector and establishing a data feature fingerprint library, and constructing a data quality assessment
10 model by an incremental learning algorithm to perform data standardized processing; extracting dominant features and recessive features by a multi-level cascade network structure and a self-attention mechanism, and constructing a feature association graph and a bidirectional inference channel; and performing rule matching and causal inference based on a domain knowledge base, and finally realizing automatic structuring of the unstructured
15 data. According to the present invention, the automation degree and accuracy of data processing are improved, the manual intervention cost is reduced, and relatively high universality and expandability are achieved.

20 Drawing accompanying abstract: Fig. 1

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