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                       Question Answering with Heterogeneous Graph Transformer -- FAPFID:
                       A Fairness-aware Approach for Protected Features and Imbalanced Data
                       -- D-Thespis: A Distributed Actor-Based Causally Consistent DBMS.

   Sommario/riassunto The LNCS journal Transactions on Large-Scale Data and Knowledge-
                       Centered Systems focuses on data management, knowledge discovery,
                       and knowledge processing, which are core and hot topics in computer
                       science. Since the 1990s, the Internet has become the main driving
                       force behind application development in all domains. An increase in the
                       demand for resource sharing (e.g. computing resources, services,
                       metadata, data sources) across different sites connected through
                       networks has led to an evolution of data- and knowledge-management
                       systems from centralized systems to decentralized systems enabling
                       large-Scale distributed applications providing high scalability. This, the
                       53rd issue of Transactions on Large-Scale Data and Knowledge-
                       Centered Systems, contains six fully revised selected regular papers.

Topics covered include time series management from edge to cloud, segmentation for time series representation, similarity research, semantic similarity in a taxonomy, linked data semantic distance, linguistics-informed natural language processing, graph neural networks, protected features, imbalanced data, causal consistency in distributed databases, actor models, and elastic horizontal scalability.