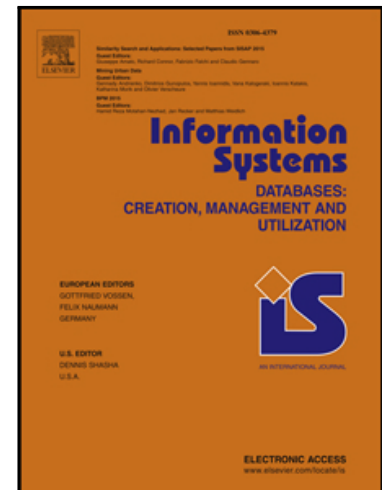


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Interactive Multidimensional Modeling of Linked Data for Exploratory OLAP

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Highlights

- Exploratory OLAP blends OLAP and the Semantic Web to enable cross-domain analyses by adopting a publish-enrich-query paradigm
- While some approaches were devised for the public and query stages, the enrich stage has not been investigated yet
- We propose the iMOLD approach, that enables data enthusiasts to enrich RDF cubes with aggregation hierarchies by exploring linked data
- This is done by detecting five recurring modeling patterns that express roll-up relationships between RDF concepts
- A case study based on DBpedia is proposed and the results of an evaluation test made with real users are discussed

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