RDF-star-based Digital Edition of Travel Journals

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Year 2022
Title RDF-star-based Digital Edition of Travel Journals
Journal DH2022 Book of Abstracts
Pages / **Article-Number** 416-417
Keywords Semantic Web, Linked Open Data, RDF-star
Even though successful RDF-based digital editions have been recently created and made available online, the standard RDF is not an optimal choice for the creation of digital editions of metadata-oriented documents such as travel journals. Such documents are full of statements about statements and describing them using standard RDF would require reification; a complex mechanism that is highly inefficient considering the query time. This paper suggests using RDF-star and SPARQL-star for the creation of digital editions of metadata-oriented documents to overcome this deficit by easily attaching metadata to the edges of the knowledge graph. Using the travel journal of Jacob Bernoulli (1654-1705) as a prototype document, our project aims to develop tools and infrastructure for the creation of interactive web-based digital editions of metadata oriented-documents such as travel journals based on RDF-star and SPARQL-star.

Publisher DH2022
URL https://dh2022.dhii.asia/dh2022bookofabsts.pdf