Research and Practice on Semantic Mining and Semantic Organization of Multi-source Heterogeneous Resources

2020

Reporter: Xiaoying Zhou

National Library of China
library resource construction

1 digitalization
2 structuralization
3 semanticization
About the National Library of China
About the National Digital Library

· Digital Resource 2185TB

· Chinese ancient books database

· Republic of China document database

· National Library Open online Class

· online exhibitions
Framework of the National Library of China

1. Ontology indexing
2. Linked Data
3. Aggregation of topics
Ontology indexing practice

digital genealogy indexing project

modern newspaper database project
digital genealogy indexing project

image indexing module

view image information and character information
digital genealogy indexing project

Add people
Modify character relationship
display the relationship diagram of the characters
Ontology Indexing of Digital Modern Newspaper

Positioning
Ontology Indexing of Digital Modern Newspaper

enter the full text browsing interface

enter the content browsing interface
enter the full text browsing interface

Index people, events, organization names, place names & keywords.
Linked Data Practice of National Library of China
Linked Data Practice of National Library of China

Ontology model

Semantic retrieval

Semantic association
Aggregation of topics

Social media topic aggregation
Aggregation of topics

Social media topic aggregation
Aggregation of topics

Social media topic aggregation
Aggregation of topics

two versions: text version and picture version
Aggregation of topics

provide a list of related resources
谢谢!Thank you!

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