

Knowledge Graphs

Lecture 3: Querying Knowledge Graphs with SPARQL



3.1 How to Query RDF(S)

Excursion 3: DBpedia Knowledge Graph

Excursion 4: Wikidata Knowledge Graph

- 3.2 Complex Queries with SPARQL
- 3.3 More Complex SPARQL Queries
- 3.4 SPARQL Sub-Select and Property Paths
- 3.5 SPARQL is more than a Query Language
- 3.6 Quality Assurance with SHACL Constraints

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Additional Hands-On:

- 3.1 Querying Knowledge Graphs with SPARQL Wikidata
- 3.2 Querying Knowledge Graphs with SPARQL DBpedia
- 3.3 SPARQL Query Federation



Knowledge Graphs

3. Querying Knowledge Graphs with SPARQL



Picture References:

[1] "A dystopian city street scene clearly exhibiting the consequences of both unchecked population growth on society and the hoarding of resources by a wealthy minority in the style of a 1960s pulp cover.", created via ArtBot, Deliberate, 2023, [CC-BY-4.0], https://tinybots.net/artbot