

OpenCitations

Nov. 13, 2017 - Nov. 17, 2017

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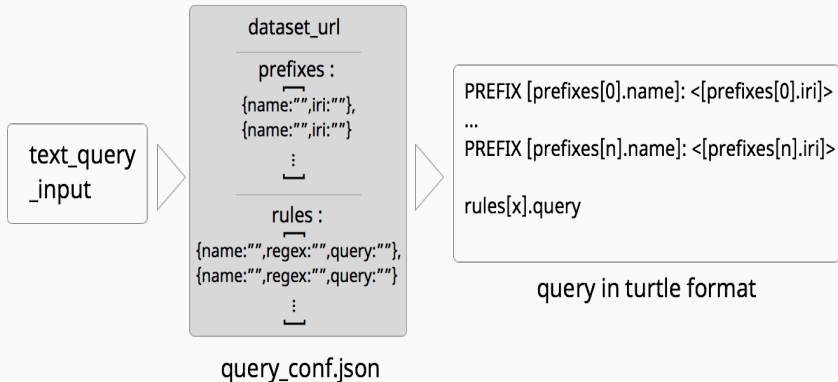
ivanhb - OpenCitations/WorkDiary

November 20, 2017

Query interface (1)

My Objective: Create a query interface to interrogate OpenCitations content.

Note: The interface/functions should be re-adaptable for other systems



Query interface (2)

text_query_input

"10.1002/cncr.28414"

iterate rules... find matching regex

...
regex : "10\\.\\d{4,9}\\/[\\-\\.\\(\\):A-Za-z0-9]+\$"
...

build the query... replave VAR with text_query_input

```
PREFIX cito: <http://purl.org/spar/cito/>
...
PREFIX [prefixes[n].name]: <[prefixes[n].iri]>

select DISTINCT ?doc ?title ?year where {
  ?lit bds:search <VAR> .
  ?lit bds:matchAllTerms 'true' .
  ?lit bds:relevance ?score .
  ?doc datacite:hasIdentifier/literal:hasLiteralValue ?lit .
  OPTIONAL {?doc dcterms:title ?title .}
  OPTIONAL {?doc <http://purl.org/spar/fabio/hasPublicationYear> ?year .}
```

Query interface (3)

