

This document is part of the paper "Labeled k-partite Graph for Statement Annotation in the Web of Data". It presents the queries used in the experiments described in the paper. This document is divided in two parts.: Part 1 which shows the queries used in Experiment 2 and Part 2 which shows the queries used in Experiments 4 and 6.

Part 1: Queries for Experiment 2: The SP² bench queries in LKG format

- Q1 Return the year of publication of Journal 1 (1940).**
SELECT ?yr WHERE { ?journal http://www.w3.org/1999/02/22-rdf-syntax-ns#type http://localhost/vocabulary/bench/Journal ?i . ?journal http://purl.org/dc/elements/1.1/title "Journal 1 (1940)" ?i1 . ?journal http://purl.org/dc/terms/issued ?yr ?i2 . }
- Q2 Find all articles of type "Journal" and the year they were issued.**
SELECT ?journal ?yr WHERE { ?journal http://www.w3.org/1999/02/22-rdf-syntax-ns#type http://localhost/vocabulary/bench/Journal ?i . ?journal http://purl.org/dc/terms/issued ?yr ?i1 . }
- Q3 Select all articles with property http://swrc.ontoware.org/ontology#isbn.**
SELECT ?article WHERE { ?article http://www.w3.org/1999/02/22-rdf-syntax-ns#type http://localhost/vocabulary/bench/Article ?i1 . ?article http://swrc.ontoware.org/ontology#isbn ?value ?i2 . }
- Q4 Find all the details of journal34/1983.**
SELECT ?predicate ?object WHERE { http://localhost/publications/journals/Journal34/1983 ?predicate ?object ?i . }
- Q5 Select all articles with property http://swrc.ontoware.org/ontology#pages.**
SELECT ?article WHERE { ?article http://www.w3.org/1999/02/22-rdf-syntax-ns#type http://localhost/vocabulary/bench/Article ?i1 . ?article http://swrc.ontoware.org/ontology#pages ?value ?i2 . }

Part 2: Queries for Experiment 4: Queries in LKG format for BKR dataset

- Q6 Find the triple whose source is: <http://mor.nlm.nih.gov/bkr/PUBMED_10979521-INST>.**
select ?s ?p ?o where { ?s ?p ?o ?i . ?i <http://knoesis.wright.edu/provenir/derives_from>
<http://mor.nlm.nih.gov/bkr/PUBMED_10979521-INST> ?i1 . }
- Q7 Find the source of the triple: <http://mor.nlm.nih.gov/umls/META_C0012963>
<http://mor.nlm.nih.gov/umls/SEMNET_STIMULATES>
<http://mor.nlm.nih.gov/umls/META_C0598981>.**
select ?pmid where {
<http://mor.nlm.nih.gov/umls/META_C0012963>
<http://mor.nlm.nih.gov/umls/SEMNET_STIMULATES>
<http://mor.nlm.nih.gov/umls/META_C0598981> ?i . ?i <http://knoesis.wright.edu/provenir/derives_from> ?pmid ?i1 . }
- Q8 Insert a new source: <http://mor.nlm.nih.gov/umls/PUBMED_876587587-INST> into the triple:
<http://mor.nlm.nih.gov/umls/META_C0012963>
<http://mor.nlm.nih.gov/umls/SEMNET_STIMULATES>
<http://mor.nlm.nih.gov/umls/META_C0598981>.**
insert { ?i <http://knoesis.wright.edu/provenir/derives_from> <http://mor.nlm.nih.gov/umls/PUBMED_876587587-INST> . }
where { <http://mor.nlm.nih.gov/umls/META_C0012963> <http://mor.nlm.nih.gov/umls/SEMNET_STIMULATES>
<http://mor.nlm.nih.gov/umls/META_C0598981> ?i . }