

ADVANCED SET OF SPARQL QUERIES

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Query 1

Get all the properties that can be applied to instances of the Politician class (http://dbpedia.org/ontology/Politician)

PREFIX dbo: < http://dbpedia.org/ontology/>

Results:

es.dbpedia.org/sparql?default-graph-

uri=&query=PREFIX+dbo%3A+<http%3A%2F%2Fdbpedia.org%2Fontology%2F>%0D%0A%0D%0
ASELECT+%3Fproperty%0D%0AWHERE+%7B%0D%0A+++++++%3Fpolitician+rdf%3Atype+dbo
%3APolitician+.%0D%0A+++++++%3Fpolitician+%3Fproperty+%3Fx.%0D%0A%7D&shouldsponge=&format=text%2Fhtml&timeout=0&debug=on&run=+Run+Query+

Query 2

Get all the properties, except rdf:type, that can be applied to instances of the Politician class

PREFIX dbo: http://dbpedia.org/ontology/>

Results:

es.dbpedia.org/sparql?default-graph-

uri=&query=PREFIX+dbo%3A+<http%3A%2F%2Fdbpedia.org%2Fontology%2F>%0D%0A%0D%0
ASELECT+%3Fproperty%0D%0AWHERE+%7B%0D%0A+++++++%3Fpolitician+rdf%3Atype+dbo
%3APolitician+.%0D%0A++++++++%3Fpolitician+%3Fproperty+%3Fx.%0D%0A+++++++FILTER+N

<u>OT+EXISTS+%7B%3Fpolitician+rdf%3Atype+%3Fx%7D%0D%0A%7D&should-sponge=&format=text%2Fhtml&timeout=0&debug=on&run=+Run+Query+</u>

Query 3

Which different values exist for the properties, except for rdf:type, applicable to the instances of Politician?

PREFIX dbo: http://dbpedia.org/ontology/>

Results:

es.dbpedia.org/sparql?default-graph-

uri=&query=PREFIX+dbo%3A+<http%3A%2F%2Fdbpedia.org%2Fontology%2F>%0D%0A%0D%0
ASELECT+DISTINCT+%3Fproperty%0D%0AWHERE+%7B%0D%0A++++++*
ype+dbo%3APolitician+.%0D%0A+++++++*
ILTER+NOT+EXISTS+%7B%3Fpolitician+rdf%3Atype+%3Fx%7D%0D%0A%7D&should-sponge=&format=text%2Fhtml&timeout=0&debug=on&run=+Run+Query+

Query 4

For each of these applicable properties, except for rdf:type, which different values do they take globally for all those instances?

PREFIX dbo: http://dbpedia.org/ontology/>

Results:

es.dbpedia.org/sparql?default-graph-

PREFIX dbo: http://dbpedia.org/ontology/>

FILTER NOT EXISTS {?politician rdf:type ?x}

uri=&query=PREFIX+dbo%3A+<http%3A%2F%2Fdbpedia.org%2Fontology%2F>%0D%0A%0D%0
ASELECT+DISTINCT+%3Fproperty+%3Fx%0D%0AWHERE+%7B%0D%0A+++++++%3Fpolitician+r
df%3Atype+dbo%3APolitician+.%0D%0A+++++++%3Fpolitician+%3Fproperty+%3Fx.%0D%0A++
+++++FILTER+NOT+EXISTS+%7B%3Fpolitician+rdf%3Atype+%3Fx%7D%0D%0A%7D%0D%0A&sh
ould-sponge=&format=text%2Fhtml&timeout=0&debug=on&run=+Run+Query+

Query 5

For each of these applicable properties, except for rdf:type, how many distinct values do they take globally for all those instances?

Results:

}

es.dbpedia.org/sparql?default-graph-

uri=&query=PREFIX+dbo%3A+<http%3A%2F%2Fdbpedia.org%2Fontology%2F>%0D%0A%0D%0
ASELECT+DISTINCT+%3Fproperty+%28COUNT%28DISTINCT+%3Fx%29+as+%3Fcountvalues%29
%0D%0AWHERE+%7B%0D%0A++++%3Fpolitician+rdf%3Atype+dbo%3APolitician+.%0D%0A++
++%3Fpolitician+%3Fproperty+%3Fx.%0D%0A++++FILTER+NOT+EXISTS+%7B+%3Fpolitician+rdf
%3Atype+%3Fx+%7D%0D%0A%7D%0D%0A&shouldsponge=&format=text%2Fhtml&timeout=0&debug=on&run=+Run+Query+