

Experimental queries: Reverse Partitioning for SPARQL Queries

Jorge Galicia¹, Amin Mesmoudi^{1,2}, Ladjel Bellatreche¹, and Carlos Ordonez³

¹ LIAS/ISAE-ENSMA, France
 {jorge.galicia,bellatreche}@ensma.fr

² Université de Poitiers, France
 amin.mesmoudi@univ-poitiers.fr

³ University of Houston, USA
 carlos@central.uh.edu

1 Experimental queries

Query ID	Type	Query
1	Linear	SELECT ?v0 ?v2 WHERE { ?v0 <http://ogp.me/ns#tag> <http://db.uwaterloo.ca/~galuc/wsdm/Topic140> . ?v0 <http://schema.org/caption> ?v2 . } SELECT ?v0 ?v2
2	Linear	WHERE { ?v0 <http://ogp.me/ns#tag> <http://db.uwaterloo.ca/~galuc/wsdm/Topic179> . ?v0 <http://schema.org/caption> ?v2 . } SELECT ?v0 ?v2
3	Linear	WHERE { ?v0 <http://ogp.me/ns#tag> <http://db.uwaterloo.ca/~galuc/wsdm/Topic183> . ?v0 <http://schema.org/caption> ?v2 . } SELECT ?v0 ?v2
4	Linear	WHERE { ?v0 <http://ogp.me/ns#tag> <http://db.uwaterloo.ca/~galuc/wsdm/Topic84> . ?v0 <http://schema.org/caption> ?v2 . } SELECT ?v0 ?v1 ?v3 WHERE {
5	Linear	?v0 <http://schema.org/jobTitle> ?v1 . <http://db.uwaterloo.ca/~galuc/wsdm/City134> <http://www.geonames.org/ontology#parentCountry> ?v3 . ?v0 <http://schema.org/nationality> ?v3 . } SELECT ?v0 ?v1 ?v3
6	Linear	WHERE { ?v0 <http://schema.org/jobTitle> ?v1 . <http://db.uwaterloo.ca/~galuc/wsdm/City109> <http://www.geonames.org/ontology#parentCountry> ?v3 . ?v0 <http://schema.org/nationality> ?v3 . } SELECT ?v0 ?v1 ?v3
7	Linear	WHERE { ?v0 <http://schema.org/jobTitle> ?v1 . <http://db.uwaterloo.ca/~galuc/wsdm/City27> <http://www.geonames.org/ontology#parentCountry> ?v3 . ?v0 <http://schema.org/nationality> ?v3 . } SELECT ?v0 ?v1 ?v3
8	Linear	WHERE { ?v0 <http://schema.org/jobTitle> ?v1 . <http://db.uwaterloo.ca/~galuc/wsdm/City22> <http://www.geonames.org/ontology#parentCountry> ?v3 . ?v0 <http://schema.org/nationality> ?v3 . } SELECT ?v1 ?v2
9	Linear	WHERE { <http://db.uwaterloo.ca/~galuc/wsdm/City134> <http://www.geonames.org/ontology#parentCountry> ?v1 . ?v2 <http://db.uwaterloo.ca/~galuc/wsdm/likes> <http://db.uwaterloo.ca/~galuc/wsdm/Product0> . ?v2 <http://schema.org/nationality> ?v1 . } SELECT ?v1 ?v2 WHERE {
10	Linear	<http://db.uwaterloo.ca/~galuc/wsdm/City109> <http://www.geonames.org/ontology#parentCountry> ?v1 . ?v2 <http://db.uwaterloo.ca/~galuc/wsdm/likes> <http://db.uwaterloo.ca/~galuc/wsdm/Product0> . ?v2 <http://schema.org/nationality> ?v1 . } SELECT ?v1 ?v2
11	Linear	WHERE { <http://db.uwaterloo.ca/~galuc/wsdm/City27> <http://www.geonames.org/ontology#parentCountry> ?v1 . ?v2 <http://db.uwaterloo.ca/~galuc/wsdm/likes> <http://db.uwaterloo.ca/~galuc/wsdm/Product0> . ?v2 <http://schema.org/nationality> ?v1 . } SELECT ?v1 ?v2 WHERE {
12	Linear	<http://db.uwaterloo.ca/~galuc/wsdm/City22> <http://www.geonames.org/ontology#parentCountry> ?v1 . ?v2 <http://db.uwaterloo.ca/~galuc/wsdm/likes> <http://db.uwaterloo.ca/~galuc/wsdm/Product0> . ?v2 <http://schema.org/nationality> ?v1 . } SELECT ?v0 ?v2 ?v3 WHERE {
13	Star	?v0 <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://db.uwaterloo.ca/~galuc/wsdm/ProductCategory3> . ?v0 <http://schema.org/description> ?v2 . ?v0 <http://schema.org/keywords> ?v3 . ?v0 <http://schema.org/language> <http://db.uwaterloo.ca/~galuc/wsdm/Language0> . } SELECT ?v0 ?v2 ?v3 ?v4 WHERE {
14	Star	?v0 <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://db.uwaterloo.ca/~galuc/wsdm/ProductCategory4> . ?v0 <http://schema.org/caption> ?v2 . ?v0 <http://db.uwaterloo.ca/~galuc/wsdm/hasGenre> ?v3 . ?v0 <http://schema.org/publisher> ?v4 . } SELECT ?v0 ?v2 ?v3 ?v4 ?v5 WHERE {
15	Snowflake	?v0 <http://ogp.me/ns#tag> <http://db.uwaterloo.ca/~galuc/wsdm/Topic61> . ?v0 <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> ?v2 . ?v3 <http://schema.org/trailer> ?v4 . ?v3 <http://schema.org/keywords> ?v5 . ?v3 <http://db.uwaterloo.ca/~galuc/wsdm/hasGenre> ?v0 . ?v3 <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://db.uwaterloo.ca/~galuc/wsdm/ProductCategory2> . }