**SemLayer Evaluation**

**Task:** Please mention the query you would likely write on a search system over an articles dataset for the following information needs:

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| No. | Information Need | Query |
| 1 | Find articles discussing about African-American film producers | African-american film producer |
| 2 | Find articles discussing about actors winners of an academy award for Best Actor | Best actor academy award winner |
| 3 | Find articles discussing about Los Angeles Lakers (NBA team) players | Los Angeles Lakers player |
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| 1 |  |  |
| 2 | Medicine related articles published in 1987 |  |
| 7 | Articles about St. Petersburg before 1990 |  |
| 8 | Articles about Czech Republic before 1993 |  |
| 12 | Articles about diseases most related to Mad Cow Disease |  |
| 13 | Articles about India Pakistan Kargil War |  |
| 14 | Articles about usage of Sarin Gas as a chemical weapon between 1988 to 1998 |  |
| 15 | Articles only about Companies listed on the New York Stock Exchange |  |
| 16 | Articles about Doping Scandals in the Olympic Games between 1988 to 1998 |  |
| 17 | Articles about the fight against Terrorism. |  |
| 18 | Articles about events leading to Climate Change |  |
| 19 | Articles about Same-sex marriage |  |
| 20 | Articles discussing Video-game Consoles |  |
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QUERIES:

**1. 37 RESULTS**

PREFIX dc: <http://purl.org/dc/terms/>

PREFIX oae: <http://www.ics.forth.gr/isl/oae/core#>

PREFIX dbc: <http://dbpedia.org/resource/Category:>

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

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

PREFIX dbr: <http://dbpedia.org/resource/>

SELECT COUNT(DISTINCT ?article) WHERE {

SERVICE <http://dbpedia.org/sparql> {

?nylawyer dc:subject dbc:African-American\_film\_producers }

?article dc:date ?date FILTER (?date>="1992-08-01"^^xsd:date &&

?date<="1992-08-31"^^xsd:date) .

?article oae:mentions ?entity .

?entity oae:hasMatchedURI ?nylawyer .

?article dc:title ?title }

**2. 27 RESULTS**

PREFIX dc: <http://purl.org/dc/terms/>

PREFIX oae: <http://www.ics.forth.gr/isl/oae/core#>

PREFIX dbc: <http://dbpedia.org/resource/Category:>

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

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

PREFIX dbr: <http://dbpedia.org/resource/>

SELECT DISTINCT ?article WHERE {

SERVICE <http://dbpedia.org/sparql> {

?entityUri dc:subject dbc:Best\_Actor\_Academy\_Award\_winners ;

dbo:birthPlace dbr:New\_York }

?article dc:date ?date FILTER (?date>="1998-06-01"^^xsd:date &&

?date<="1998-08-30"^^xsd:date) .

?article oae:mentions ?entity .

?entity oae:hasMatchedURI ?entityUri .

?article dc:title ?title }

**3. 35 RESULTS**

PREFIX dc: <http://purl.org/dc/terms/>

PREFIX oae: <http://www.ics.forth.gr/isl/oae/core#>

PREFIX dbc: <http://dbpedia.org/resource/Category:>

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

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

PREFIX dbr: <http://dbpedia.org/resource/>

SELECT COUNT(DISTINCT ?article) WHERE {

SERVICE <http://dbpedia.org/sparql> {

?entityUri dc:subject dbc:Los\_Angeles\_Lakers\_players }

?article dc:date ?date FILTER (?date>="1989-07-01"^^xsd:date &&

?date<="1989-08-31"^^xsd:date) .

?article oae:mentions ?entity .

?entity oae:hasMatchedURI ?entityUri .

?article dc:title ?title }