

Introduction To Data Science

Homework Assignment – 4



Kirti Katiyar (KK23M)

Object 1: Author

Query:

Issue altogether by downloading YAGO and querying it locally without using our API.

```
1 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
2 PREFIX schema: <http://schema.org/>
3 PREFIX yago: <http://yago-knowledge.org/resource/>
4
5 SELECT ?Author ?award ?nationality
6 WHERE {
7   ?Author rdf:type yago:Author.
8   ?Author schema:nationality ?nationality.
9   ?Author schema:award ?award
10  FILTER (?nationality = yago:India && ?award = yago:Padma_Bhushan )
11 }
12
13
```

Table Response Pivot Table Geo  

Showing 1 to 13 of 13 entries Search: Show entries

	Author	award	nationality
1	yago:Homi_J_u002E_H_u002E_Taleyarkhan	yago:Padma_Bhushan	yago:India
2	yago:Laxmi_Mall_Singhvi	yago:Padma_Bhushan	yago:India
3	yago:N_u002E_Vittal	yago:Padma_Bhushan	yago:India
4	yago:Durgabai_Deshmukh	yago:Padma_Bhushan	yago:India
5	yago:A_u002E_Sreedhara_Menon	yago:Padma_Bhushan	yago:India
6	yago:Haroon_Khan_Sherwani	yago:Padma_Bhushan	yago:India
7	yago:Ishwari_Prasad	yago:Padma_Bhushan	yago:India

Result Set: [Author_table.xlsx](#)

Object 2: Film

Query:

1 - PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
2 PREFIX schema: <http://schema.org/>
3 PREFIX yago: <http://yago-knowledge.org/resource/>
4
5 SELECT ?film ?actor ?locationCreated
6 - WHERE {
7 ?film rdf:type schema:Movie.
8 ?film schema:actor ?actor.
9 ?film schema:locationCreated ?locationCreated
10 FILTER (?actor = yago:Jim_Carrey && ?locationCreated = yago:United_States)
11 }
12 LIMIT 100
13

TableResponsePivot TableGeo</>

Showing 1 to 43 of 43 entries

Search: Show entries

	film	actor	locationCreated
1	yago:Dumb_and_Dumber	yago:Jim_Carrey	yago:United_States
2	yago:Batman_Forever	yago:Jim_Carrey	yago:United_States
3	yago:The_Dead_Pool	yago:Jim_Carrey	yago:United_States
4	yago:Man_on_the_Moon_u0028_film_u0029_	yago:Jim_Carrey	yago:United_States
5	yago:Pecan_Pie_u0028_film_u0029_	yago:Jim_Carrey	yago:United_States
6	yago:Presidential_Reunion	yago:Jim_Carrey	yago:United_States
7	yago:Lemony_Snicket_u0027_s_A_Series_of_Unfortunate_Events	yago:Jim_Carrey	yago:United_States
8	yago:The_Mask_u0028_1994_film_u0029_	yago:Jim_Carrey	yago:United_States
9	yago:Fun_with_Dick_and_Jane_u0028_2005_film_u0029_	yago:Jim_Carrey	yago:United_States
10	yago:How_the_Grinch_Stole_Christmas_u0028_2000_film_u0029_	yago:Jim_Carrey	yago:United_States
11	yago:Sonic_the_Hedgehog_u0028_film_u0029_	yago:Jim_Carrey	yago:United_States
12	yago:High_Strung_u0028_1991_film_u0029_	yago:Jim_Carrey	yago:United_States
13	yago:Peggy_Sue_Got_Married	yago:Jim_Carrey	yago:United_States
14	yago:Simon_Birch	yago:Jim_Carrey	yago:United_States

Result Set: [Film.xlsx](#)