

Assignment 3

Every query will start with the query itself, followed by a solution and a snapshot of part of the results, under every photograph will be a link that takes to the whole results page.

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

```
select distinct ?properties
```

```
where {
```

```
    ?instance a http://dbpedia.org/ontology/Politician .
```

```
    ?instance ?properties ?object
```

```
}
```

properties
http://www.w3.org/1999/02/22-rdf-syntax-ns#type
http://www.w3.org/2000/01/rdf-schema#label
http://www.w3.org/2000/01/rdf-schema#comment
http://www.w3.org/2002/07/owl#sameAs
http://xmlns.com/foaf/0.1/name
http://xmlns.com/foaf/0.1/topic
http://www.w3.org/2007/05/powder-s#describedby
http://xmlns.com/foaf/0.1/homepage
http://purl.org/dc/terms/subject
http://xmlns.com/foaf/0.1/isPrimaryTopicOf
http://es.dbpedia.org/property/gabinete
http://es.dbpedia.org/property/afiliaciones
http://es.dbpedia.org/property/almaMáter
http://es.dbpedia.org/property/almamáter
http://es.dbpedia.org/property/cargo
http://es.dbpedia.org/property/causaMuerte
http://es.dbpedia.org/property/ciudadanía
http://es.dbpedia.org/property/conflictos
http://es.dbpedia.org/property/cónyuge
http://es.dbpedia.org/property/distrito
http://es.dbpedia.org/property/educación
http://es.dbpedia.org/property/escudo
http://es.dbpedia.org/property/fechaDeFallecimiento
http://es.dbpedia.org/property/fechaDeNacimiento
http://es.dbpedia.org/property/final
http://es.dbpedia.org/property/hijos
http://es.dbpedia.org/property/imagen

[LINK TO EXECUTED QUERY](#)

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

```
select distinct ?properties
```

```
where {
```

```
    ?instance a <http://dbpedia.org/ontology/Politician> .
```

```
    ?instance ?properties ?object
```

```
    filter(?properties != rdf:type)
```

```
}
```

properties
http://www.w3.org/2000/01/rdf-schema#label
http://www.w3.org/2000/01/rdf-schema#comment
http://www.w3.org/2002/07/owl#sameAs
http://xmlns.com/foaf/0.1/name
http://xmlns.com/foaf/0.1/topic
http://www.w3.org/2007/05/powder-s#describedby
http://xmlns.com/foaf/0.1/homepage
http://purl.org/dc/terms/subject
http://xmlns.com/foaf/0.1/isPrimaryTopicOf
http://es.dbpedia.org/property/gabinete
http://es.dbpedia.org/property/afiliaciones
http://es.dbpedia.org/property/almaMáter
http://es.dbpedia.org/property/almamáter
http://es.dbpedia.org/property/cargo
http://es.dbpedia.org/property/causaMuerte
http://es.dbpedia.org/property/ciudadania
http://es.dbpedia.org/property/conflictos
http://es.dbpedia.org/property/cónyuge
http://es.dbpedia.org/property/distrito
http://es.dbpedia.org/property/educación
http://es.dbpedia.org/property/escudo
http://es.dbpedia.org/property/fechaDeFallecimiento
http://es.dbpedia.org/property/fechaDeNacimiento
http://es.dbpedia.org/property/final
http://es.dbpedia.org/property/hijos
http://es.dbpedia.org/property/imagen
http://es.dbpedia.org/property/inicio
http://es.dbpedia.org/property/lenguaMaterna

[LINK TO THE EXECUTED QUERY](#)

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

```
select distinct ?properties ?object
```

```
where {
```

```
    ?instance a <http://dbpedia.org/ontology/Politician> .
```

```
    ?instance ?properties ?object
```

```
filter(?properties != rdf:type)
```

```
}
```

properties	
http://www.w3.org/2000/01/rdf-schema#label	"Adame Ba Konaré"@es
http://www.w3.org/2000/01/rdf-schema#label	"Adriano Sánchez Roa"@es
http://www.w3.org/2000/01/rdf-schema#label	"Adrián Ward"@es
http://www.w3.org/2000/01/rdf-schema#label	"Agustín Haya de la Torre de la Rosa"@es
http://www.w3.org/2000/01/rdf-schema#label	"Agustín Molina Martínez"@es
http://www.w3.org/2000/01/rdf-schema#label	"Ahmed Hilmi Pasha"@es
http://www.w3.org/2000/01/rdf-schema#label	"Aileen Baviera"@es
http://www.w3.org/2000/01/rdf-schema#label	"Aisha Musa el-Said"@es
http://www.w3.org/2000/01/rdf-schema#label	"Akua Asabea Ayisi"@es
http://www.w3.org/2000/01/rdf-schema#label	"Alain Vivien"@es
http://www.w3.org/2000/01/rdf-schema#label	"Alaiza Pashkevich"@es
http://www.w3.org/2000/01/rdf-schema#label	"Aptripel Tumimomor"@es
http://www.w3.org/2000/01/rdf-schema#label	"Arancha González Laya"@es
http://www.w3.org/2000/01/rdf-schema#label	"Archer Blood"@es
http://www.w3.org/2000/01/rdf-schema#label	"Ariela Luna"@es
http://www.w3.org/2000/01/rdf-schema#label	"Arnulfo Gasca Trujillo"@es
http://www.w3.org/2000/01/rdf-schema#label	"Arturo Zúñiga"@es
http://www.w3.org/2000/01/rdf-schema#label	"Ascensión Pastor Parres"@es
http://www.w3.org/2000/01/rdf-schema#label	"Ashok-Alexander Sridharan"@es
http://www.w3.org/2000/01/rdf-schema#label	"Aslan Bzhania"@es
http://www.w3.org/2000/01/rdf-schema#comment	"Adame Ba Konaré o Adame Konaré Ba (Segú,

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

```
select distinct ?object
```

```
where {
```

```
  ?instance a <http://dbpedia.org/ontology/Politician> .
```

```
  ?instance ?properties ?object
```

```
  filter(?properties != rdf:type)
```

```
}
```

"Adame Ba Konaré"@es
"Adriano Sánchez Roa"@es
"Adrián Ward"@es
"Agustín Haya de la Torre de la Rosa"@es
"Agustín Molina Martínez"@es
"Ahmed Hilmi Pasha"@es
"Aileen Baviera"@es
"Aisha Musa el-Said"@es
"Akua Asabea Ayisi"@es
"Alain Vivien"@es
"Alaiza Pashkevich"@es
"Aptripel Tumimomor"@es
"Arancha González Laya"@es
"Archer Blood"@es
"Ariela Luna"@es
"Arnulfo Gasca Trujillo"@es
"Arturo Zúñiga"@es
"Ascensión Pastor Parres"@es
"Ashok-Alexander Sridharan"@es
"Aslan Bzhania"@es

[LINK TO THE EXECUTED QUERY](#)

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

```
select distinct (count(?object) as ?distinctValueCount)
```

```
where {
```

```
  ?instance a <http://dbpedia.org/ontology/Politician> .
```

```
  ?instance ?properties ?object
```

```
  filter(?properties != rdf:type)
```

```
}
```

distinctValueCount

1299605

[LINK TO THE EXECUTED QUERY](#)