

Consultas SPARQL

1) Quantidade de publicações em cada ano (2001 - 2023)

```
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX my: <http://example.com#>

SELECT ?year (COUNT(?publication) AS ?publicationCount)
WHERE {
  {
    ?publication my:hasJournalPublicationYear ?year .
  }
  UNION
  {
    ?publication my:hasWorkshopYear ?year .
  }
  UNION
  {
    ?publication my:hasConferenceYear ?year .
  }
}
GROUP BY ?year
ORDER BY ?year
```

2) Quantidade de publicações por pessoa

```
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX my: <http://example.com#>

SELECT ?person (COUNT(?publication) AS ?publicationCount)
WHERE {
  ?person rdf:type my:Person .
  ?publication rdf:type my:Publication .
  {
    ?publication my:hasAuthorName ?person .
  }
  UNION
  {
    ?publication my:hasCoAuthor ?person .
  }
}
GROUP BY ?person
```

ORDER BY DESC(?publicationCount)

3) Quantidade de cada tipo de publicação

PREFIX owl: <http://www.w3.org/2002/07/owl#>

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX my: <http://example.com#>

SELECT ?publicationType (COUNT(?publication) AS ?publicationCount)

WHERE {

 ?publication rdf:type my:Publication .

 ?publication a ?publicationType .

 FILTER (

 ?publicationType = my:Journal ||

 ?publicationType = my:ConferencePaper ||

 ?publicationType = my:WorkshopPaper ||

 ?publicationType = my:Article ||

 ?publicationType = my:Monograph ||

 ?publicationType = my:BookChapter

)

}

GROUP BY ?publicationType

ORDER BY DESC(?publicationCount)

4) Quem mais publicou em Journal

PREFIX owl: <http://www.w3.org/2002/07/owl#>

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX my: <http://example.com#>

SELECT ?person (COUNT(?publication) AS ?journalCount)

WHERE {

 ?person rdf:type my:Person .

 ?publication rdf:type my:Publication .

 ?publication a my:Journal .

 {

 ?publication my:hasAuthorName ?person .

 }

 UNION

 {

 ?publication my:hasCoAuthor ?person .

 }

}

GROUP BY ?person

ORDER BY DESC(?journalCount)

5) Mostra colaboração entre autores

mostra quem colaborou com quem e a publicação => está repetindo
mostra 36 => 18 na verdade

PREFIX owl: <http://www.w3.org/2002/07/owl#>

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX my: <http://example.com#>

SELECT ?person1 ?person2 ?publication

WHERE {

 ?person1 rdf:type my:Person .

 ?person2 rdf:type my:Person .

 ?publication rdf:type my:Publication .

{

 ?publication my:hasAuthorName ?person1 .

 ?publication my:hasAuthorName ?person2 .

}

UNION

{

 ?publication my:hasCoAuthor ?person1 .

 ?publication my:hasCoAuthor ?person2 .

}

FILTER (?person1 != ?person2)

}