Working Query for all catalogs and 5 years

```
PREFIX dcat: <http://www.w3.org/ns/dcat#>
PREFIX dct: <http://purl.org/dc/terms/>
PREFIX schema: <http://schema.org/>
PREFIX time: <http://www.w3.org/2006/time#>
PREFIX dcterms: <http://purl.org/dc/terms/>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
SELECT ?catalog (COUNT(DISTINCT ?dataset) AS ?count)
WHERE {{
  ?catalog dcat:dataset ?dataset .
  BIND ({catalog_uri} as ?name)
  ?name dcat:dataset ?dataset .
  ?dataset dct:issued ?issued .
  BIND(YEAR(?issued) AS ?year)
  FILTER(xsd:date(?issued) < "{year}-01-01"^^xsd:date)
}}
GROUP BY ?catalog
```

Query for just checking what catalogs at data.europa.eu has the dcat:CatalogRecord property (175 Catalogs)

```
PREFIX dcat: <http://www.w3.org/ns/dcat#>
PREFIX dct: <http://purl.org/dc/terms/>
SELECT DISTINCT ?catalog
WHERE {
  ?catalog a dcat:Catalog ;
       dcat:record ?record .
  ?record a dcat:CatalogRecord .
}
```

Working Query for all catalogs and years

```
PREFIX dcat: <http://www.w3.org/ns/dcat#>
PREFIX dct: <http://purl.org/dc/terms/>
PREFIX schema: <http://schema.org/>
PREFIX time: <http://www.w3.org/2006/time#>
PREFIX dcterms: <http://purl.org/dc/terms/>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
SELECT ?catalog (COUNT(DISTINCT ?dataset) AS ?count)
WHERE {{
  ?catalog dcat:dataset ?dataset .
  BIND ({catalog_uri} as ?name)
  ?name dcat:dataset ?dataset .
  ?dataset dct:issued ?issued .
  FILTER (year(?issued) = {year})
```

```
  }}
  GROUP BY ?catalog
```

All catalogs for 5 years (356 records)

```
PREFIX fn: <http://www.w3.org/2005/xpath-functions#>
PREFIX dcat: <http://www.w3.org/ns/dcat#>
PREFIX dct: <http://purl.org/dc/terms/>
PREFIX schema: <http://schema.org/>
PREFIX time: <http://www.w3.org/2006/time#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX dbr: <http://dbpedia.org/resource/>
PREFIX dbo: <http://dbpedia.org/ontology/>
SELECT ?catalog ?year ?name (COUNT(DISTINCT ?dataset) AS ?count)

WHERE {
  ?catalog dcat:dataset ?dataset .
  #?catalog dct:title ?name .

#<http://data.europa.eu/88u/catalogue/plateforme-ouverte-des-donnees-publiques-francaises> dcat:dataset ?dataset .
  ?dataset dct:issued ?issued .
  #BIND("2019-01-01"^^xsd:date AS ?date)
  #FILTER(xsd:date(?issued) >= "2019-01-01"^^xsd:date && xsd:date(?issued) <= "2019-12-31"^^xsd:date )
  BIND(YEAR(?issued) AS ?year)
  #?issued fn:year-from-date(xs:date("2000-01-01+05:00"))
  FILTER(datatype(?issued) = xsd:date && xsd:date(?issued) >= "2017-01-01"^^xsd:date && xsd:date(?issued) <= "2022-12-31"^^xsd:date )
}
GROUP BY ?catalog ?name ?year
ORDER BY DESC( ?catalog)
```

Catalogs with dct:modified property

```
PREFIX dcat: <http://www.w3.org/ns/dcat#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX dcterms: <http://purl.org/dc/terms/>
PREFIX void: <http://rdfs.org/ns/void#>
SELECT (YEAR(?modified) as ?year) (COUNT(?dataset) as ?count)
WHERE {
   <http://data.europa.eu/88u/catalogue/national-open-data-portal-cyprus> dcat:dataset ?dataset .
   ?dataset dct:modified ?modified .
}
GROUP BY YEAR(?modified)
ORDER BY YEAR(?modified)
```

PREFIX dcat: <http://www.w3.org/ns/dcat#>
PREFIX dct: <http://purl.org/dc/terms/>

Catalogs with dct:issued property

```
SELECT ?year (COUNT(?dataset) as ?count)
WHERE {
  # Specify the catalog URI
  <http://data.europa.eu/88u/catalogue/datos-gob-es> dcat:dataset ?dataset .
  ?dataset dct:issued ?issued .
  BIND(YEAR(?issued) AS ?year)
}
GROUP BY ?year
ORDER BY ?year
```