

CLARIN 2020

Bazaar Preparation Materials

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No need for deep knowledge, but good to have a basic understanding of Semantic Web and Linked Open Data.

Here are two basic introductions you can quickly browse

Recommended Pre-reading (Linked Open Data introduction)

- <https://www.ontotext.com/knowledgehub/fundamentals/linked-data-linked-open-data/>
- <https://programminghistorian.org/en/lessons/intro-to-linked-data>

You can also try a custom-made quiz

Semantic Web Quiz

<https://forms.gle/Vf628pJNGAxJLBcP8>

If you have time, you can browse temporal entities on the web

- <http://dbpedia.org/resource/1969>
- <http://dbpedia.org/resource/1980s>
- http://dbpedia.org/resource/146_BC
- http://dbpedia.org/resource/2nd_millennium
- <http://dbpedia.org/resource/Neolithic>
- http://dbpedia.org/resource/Roman_Republic
- http://dbpedia.org/resource/Sui_dynasty
- <https://www.wikidata.org/wiki/Q55935225>
- <https://www.wikidata.org/entity/Q16630389>
- BabelNet has <https://babelnet.org/synset?word=bn:14549660n&details=1&lang=EN>
- One of the oldest years which contains month information would be 1771 (<https://www.wikidata.org/wiki/Q7686>), and it only has June 1771 (<https://www.wikidata.org/wiki/Q17631244>)

Appendix

Let's compare LODE with Wikidata. How to find numeric date entities in Wikipedia by SPARQL query?

<https://query.wikidata.org/>

```
SELECT ?entity ?name ?date
{
  ?entity rdfs:label ?name ;
  wdt:P585 ?date ;
  wdt:P31 wd:Q577.

  # Change the object of wdt:P31 (rdf:type) based on the range below
  # Year (Most generic and consistent. Julian and Gregorian, but may not be 100% consistent,
  # and after ca. AD 2028 up to max AD 3000)
  # wdt:P31 wd:Q577
  # BC year (continously up to 2200 BC, and max up to 9564 BC)
  # wdt:P31 wd:Q29964144
  # Calendar year (Gregorian)...some randomly exists, but probably only 19th century?
  # wdt:P31 wd:Q3186692

  FILTER (LANG(?name) = "en")
  FILTER ( ?date >= "1800-01-01T00:00:00Z"^^xsd:dateTime && ?date <=
  "2000-01-01T00:00:00Z"^^xsd:dateTime )
}
ORDER BY ?date
```

Some results

a) Oldest dates:

entity	name	date
Q12838962	9564 BC	1 January 9564 BCE
Q30118242	5509 BC	1 January 5509 BCE
Q18715114	5000 BC	1 January 5000 BCE
Q236095	4713 BC	1 January 4713 BCE
Q2386066	4004 BC	1 January 4004 BCE
Q27182862	4000 BC	1 January 4000 BCE
Q27182682	3901 BC	1 January 3901 BCE
Q27182854	3900 BC	1 January 3900 BCE
Q27182694	3801 BC	1 January 3801 BCE
Q27148725	3800 BC	1 January 3800 BCE
Q2205123	3761 BC	1 January 3761 BCE
Q27148720	3701 BC	1 January 3701 BCE
Q27182847	3700 BC	1 January 3700 BCE
Q27182700	3601 BC	1 January 3601 BCE
Q27182841	3600 BC	1 January 3600 BCE
Q27182707	3501 BC	1 January 3501 BCE
Q27182834	3500 BC	1 January 3500 BCE
Q27182713	3401 BC	1 January 3401 BCE

b) Newest dates:

Q wd:Q26211311	2953	1 January 2953
Q wd:Q26211312	2954	1 January 2954
Q wd:Q26211313	2955	1 January 2955
Q wd:Q26211314	2958	1 January 2958
Q wd:Q26211315	2959	1 January 2959
Q wd:Q26211316	2960	1 January 2960
Q wd:Q26211317	2961	1 January 2961
Q wd:Q26211318	2962	1 January 2962
Q wd:Q29976875	2999	1 January 2999
Q wd:Q4385969	3000	1 January 3000
Q wd:Q29976877	3001	1 January 3001

c) Funny entities

Q wd:Q25297	1st century BC	1 January 0101 BCE
Q wd:Q42218	101 BC	1 January 0101 BCE
Q wd:Q846491	Battle of Vercellae	1 January 0101 BCE
Q wd:Q3863677	deaths in 101 BC	1 January 0101 BCE
Q wd:Q65503253	birth of the Virgin Mary	1 January 0101 BCE
Q wd:Q165236	100s BC	1 January 0101 BCE
Q wd:Q3871136	births in 101 BC	1 January 0101 BCE
Q wd:Q4596695	1st century BC in architecture	1 January 0101 BCE
Q wd:Q5692578	solar eclipse of May 17, 101 BC	17 May 0101 BCE
Q wd:Q5697896	solar eclipse of November 11, 101 BC	11 November 0101 BCE

d) Month level entities

```

20 FILTER (LANG(?name) = "en")
21 FILTER ( ?date >= "0000-01-01T00:00:00Z"^^xsd:dateTime && ?date <= "1600-01-01T00:00:00Z"^^xsd:dateTime )
22
23 } ORDER BY ?date
24

```

218 results in 745 ms

entity	name	date
Q wd:Q3294883	March 1058	1 March 1058
Q wd:Q2874527	April 1180	1 April 1180
Q wd:Q3188167	July 1185	1 July 1185
Q wd:Q3188166	July 1224	1 July 1224
Q wd:Q2858013	August 1248	1 August 1248
Q wd:Q3294881	March 1315	1 March 1315
Q wd:Q3162127	January 1384	1 January 1384
Q wd:Q3162130	January 1430	1 January 1430
Q wd:Q3277933	May 1521	1 May 1521
Q wd:Q3188168	July 1558	1 July 1558