

Intermediate SPARQL Querying II

LiLa Corpora

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4th Summer Datathon on Linguistic Linked Open Data Cercedilla, Spain 1st June 2022







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Useful links



- ▶ lila-erc.eu/sparql/
- ▶ github.com/CIRCSE/SPARQL-queries

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Corpora



- Corpus Fibonacci: one chapter from Liber Abbaci (lemmatization)
- ► LASLA: Opera Latina, 131 texts by 20 authors, of classical Latin (lemmatization, Morph. coming soon)
- ► ITTB: Index Thomisticus, Summa Contra Gentiles (full treebank in 2 format: original and UD)
- ▶ UDante: 5 Latin works of Dante Alighieri (full treebank, UD)

First query Just as a warm-up

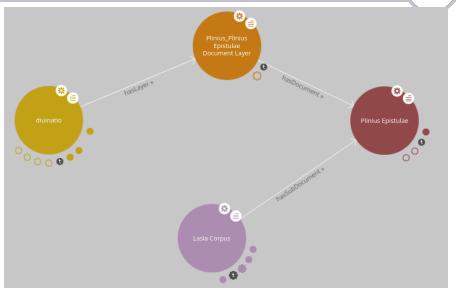


Can we figure out **how many tokens** there are in each of these 4 corpora?

From Token to Corpora

Via document layers









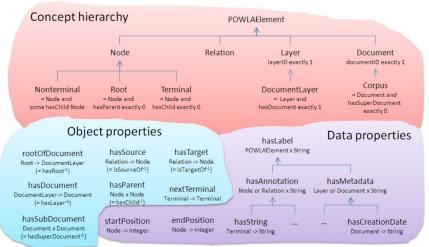


Fig. 2. The POWLA ontology (fragment)

Layers and Metadata

http://lila-erc.eu/data/id/lemma/109224



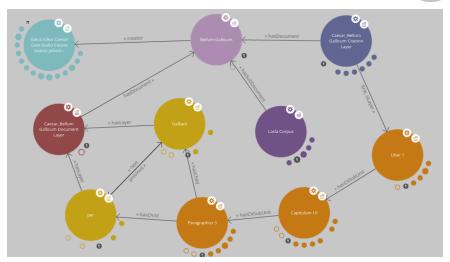


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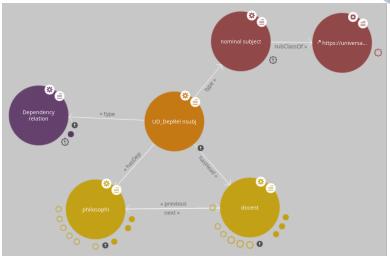
From Corpora to Lexica

Some gueries

Syntactic annotation

Available for: ITTB, UDante

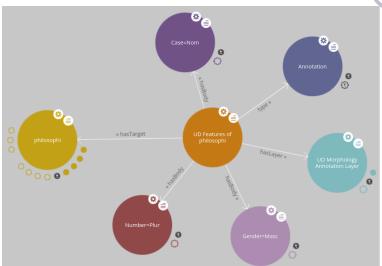




http://lila-erc.eu/data/corpora/ITTB/depAnnotation/UD/005.SCG*LB4.CP-2++4.N.-8.25-3.27-1W5

Morph features Available for: ITTB, UDante





http://lila-erc.eu/data/corpora/ITTB/UD_Morphology_Annotation/id/token/005.SCG*LB4.CP-2++4.N.-8.25-3.27-1W5

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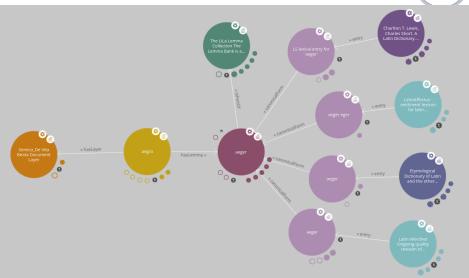
Corpora in LiLa Linguistic annotation

From Corpora to Lexica

Some queries

Lemmatization as a gateway aeger, 'ill, diseased'





Polarity and syntax



- ► Subjects in Thomas and Dante
- ► that have a **negative** polarity

Definitions of negative things



Fvil is...

- ► Nominal predicates in Thomas and Dante
- where the subject is a word with negative polarity