

# PYTHIA RELOADED



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## Deep question answering

Pythia employs a deep linguistic analysis building principled semantic representations (representing, e.g., scope).

# Ontology-driven question answering

Ontologies are at the heart of the interpretation process.

...as **normalizing vocabulary**

- grounding meaning representations
- with an ontology lexicon bridging the **semantic gap** (between natural language expressions and data)

...as **domain knowledge**

- allowing the system to draw inferences
- thus helping to bridge the **pragmatic gap** (between what is explicitly said and what is communicated)

## Plug'n'play question answering

Ontology

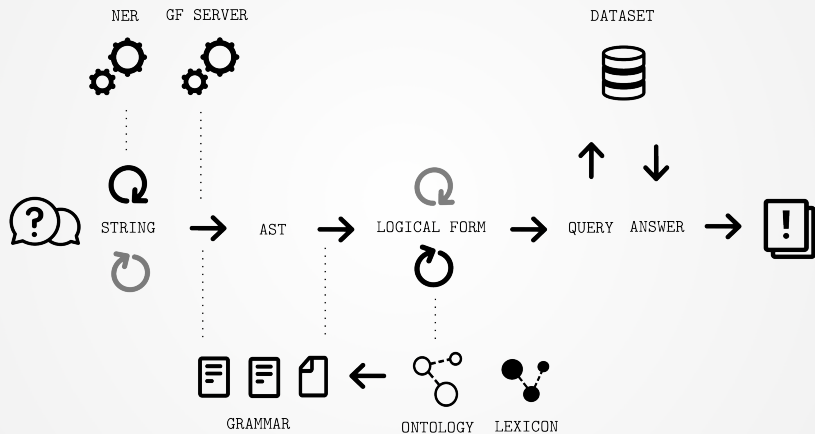


Lexicon



QA System

# Architecture



### Source code:

- <https://github.com/cunger/pythia>

### Website and demo:

- <http://ontosem.net/pythia/> (forthcoming)