# NORDLYS:

# A TOOLKIT FOR ENTITY-ORIENTED AND SEMANTIC SEARCH

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## **FUNCTIONALITY**

#### **Entity Catalog**

Obtain information about entities (such as their IDs, names, attributes, and relationships) from a knowledge base.

#### **Entity Linking in Queries**

Given a query q, return one or multiple interpretations of the query, each interpretation consists of a set of mention-entity pairs.

#### **Entity Retrieval**

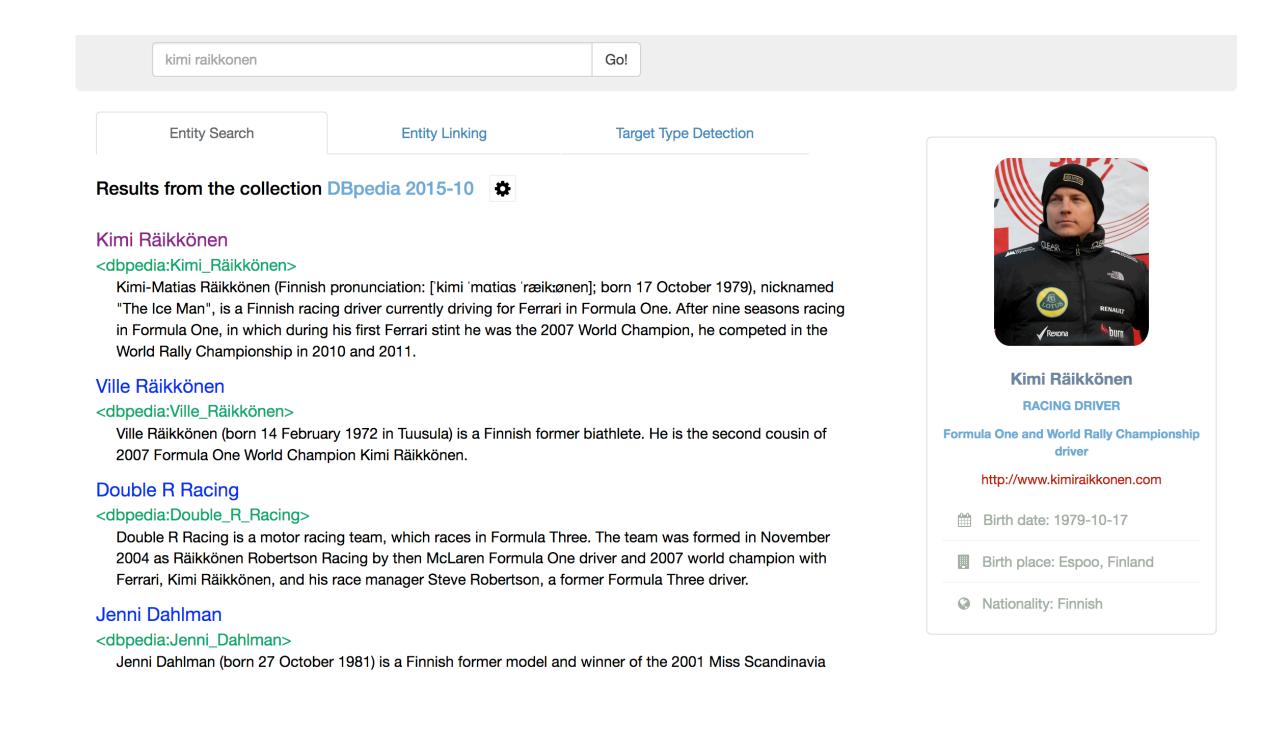
Given a query q, return a ranked list of entities from a knowledge base, ordered according to their relevance to the query q.

#### **Target Type Identification**

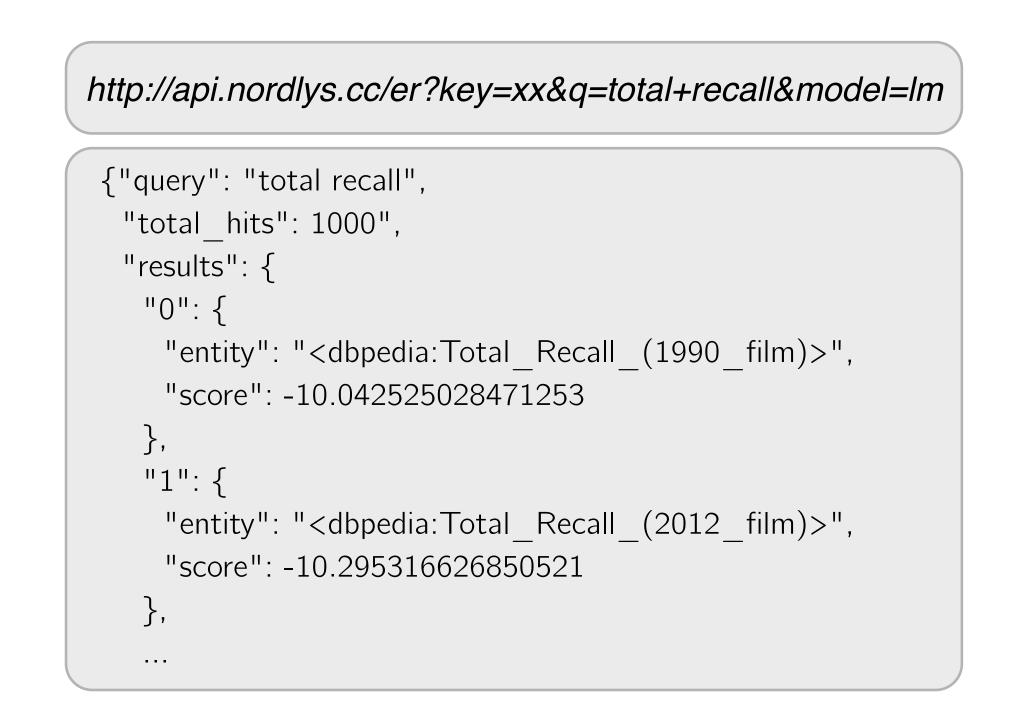
Given a query q, return a ranked list of entity types, ordered with respect to their likelihood of being the target type of query q.

#### **USAGE MODES**

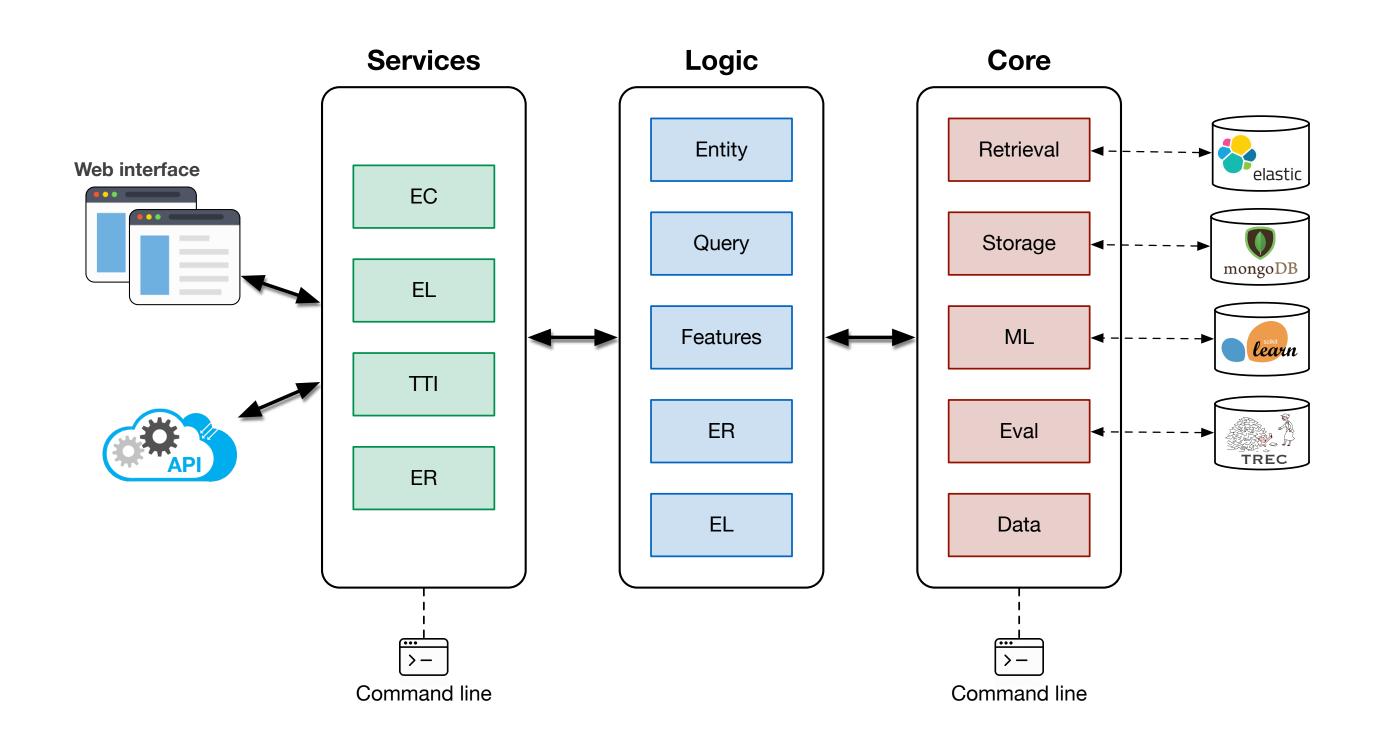
#### Web Interface



#### **RESTful API**



#### **Python Library and Command Line**



#### **Features**

- Multitier architecture with three layers: core (data), logic, and services (presentation)
- The main functionality can also be accessed through a set of command line tools from the core and services layers
- Implements standard baselines as well as recent approaches







