

Artificial Intelligence services based on the Spanish DBpedia

Short description (what need was solved)?
<p>The Universidad Politécnica de Madrid had a contract with TAIGER between 2016 and 2018. TAIGER wanted to enhance the Text Analytics services in the cloud provided to their clients. See https://taiger.com/research/estextanalytics/</p> <p>UPM contribution had been to provide them with an enhanced version of the Spanish DBpedia (esDBpedia) by using machine learning techniques over knowledge graphs. Also we integrated external and reputed sources. Therefore, esDBpedia, and any other knowledge graph, can be exploited by means of natural language processing (NLP) and semantic annotation and disambiguation technologies to provide Text Analytics services.</p>
What services were provided?
<p>UPM has services to update automatically the knowledge graph of the client (in our case TAIGER), as well as services to extract Named Entities from Spanish texts (also many other languages). This service has as a subservice the identification of ambiguities and its solution based on the context.</p> <p>UPM also has a service to classify texts, identifying the DBpedia type (among 300 types) with a small amount of text. This classifier uses machine learning techniques. This service is been extended to also consider a topic-model based classification.</p>
The relation with digitization
<p>Any text can be enriched with semantic information by means of our services. With this semantic information, we can use AI techniques to extract new facts, provide summaries, integrate information sources, etc.</p> <p>Also extract information from people: the knowledge of experts can be codified as domain ontologies. The linked data technologies can integrate this semantic information from human experts with the semantic data, providing a knowledge graph that can be queried, cured, enhanced and exploited by UPM created AI algorithms or by third parties.</p>
Name customer, contact details
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