A Digital Investigator for Historical Newspapers

In this project, humanities researchers, computer scientists, and librarians work together on historical newspapers of three national libraries (Austria, Finland, France)



https://www.univie.ac.at/newseye/



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Semantic Text Enrichment

 Semantic text enrichment consists of analyzing documents and adding semantic metadata to their contents. Among several semantic metadata, we concentrate on named entities and, more precisely, we aim to recognize these entities in documents and disambiguate them to a knowledge base. In addition, these entities will be associated with the stance of the text in which they are mentioned

However, OCRed documents contain numerous errors due to the state of documents, as a result of aging, poor storage conditions and/or the low quality of initial printing materials. These errors reduce the performance of all downstream natural language processing tasks (such as NER, NEL and stance detection).

To overcome these problems, NewsEye designs approaches based on the most recent techniques (neural networks and deep learning) that are robust to OCR problems and language independent. Out of 13 competitors, NewsEye approaches reached first place in 50 of 52 leaderboards on NER and NEL in English, French and German at the CLEF HIPE 2020 competition.

Reasonable quality



Medium quality

Her name is dare, he is 2, she has one cat and her name is 1997, his has one sucre, she is millingually she has she by frend at his name is (e.g.) her himbday is one specimen. Her flowing TV service is Gress and some, her flowite made is cartoous, her flowing sport is senting. Her flowing how four is eating mid her flowing country in Togland.

Poor quality

