

Arian Pasquali (University of Porto), *Using the Portuguese Web Archive to present Conta-me Histórias*

Over the last few years, a huge amount of information has been made available in the form of news articles, social media, blogs and etc. However, a great part of this information may have a short lifespan online and potentially relevant stories can be easily lost. Web archives appear in this context to mitigate this risk, preserving potentially valuable content that could otherwise be lost forever.

In the era of post-truth and fake news, these solutions are even more important to preserve history. Unlike conventional online search engines, they offer an opportunity to users, enabling them to explore a given topic over a long period of time.

Despite good advances in this domain, generating consistent narratives is still an open problem which has been attracting increasing attention from the research community. Using the Portuguese Web Archive (available at <http://arquivo.pt>) as the data source, we present Conta-me Histórias (Tell me stories, available at <http://contamehistorias.inesctec.pt/arquivopt>) a solution to automatically generate proto-narrative timelines that enable users to explore news in a long period of time. In our work, we define a proto-narrative as a rudimentary narrative made of weakly connected and temporally ordered sentences.

Our approach detects import periods of time and the most relevant headlines for these periods using an unsupervised keyphrase-based extraction method. It presents the results using a friendly user interface that allows users to navigate the news using a timeline perspective.

In this context, our demo may be considered an additional solution that allows users to better explore this kind of repository. We believe that making this demo publicly available and accessible to everyone is an important contribution to foster not only related research but also the user's search experience when looking for past events and summarizing complex information.

This tool may be very useful, not only for journalists looking for historical information but also for anyone interested in researching past events.

In addition to the Portuguese Web Archive, this tool offers a framework that can be adapted to support different kinds of data sources.