

Text2Story: Narrative Extraction from Texts

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ABSTRACT

Nowadays journalistic content is distributed in multiple formats, mostly through the web and specific internet based applications running on smartphones and tablets. Text is a very important format, but readers (or more accurately users or information consumers) heavily rely on images, videos, slideshows, charts and infographics. Textual content is still the main representation for information. Any journalistic subject (e.g. Trump and Russia) is described in one or more texts produced by journalists and possibly commented by readers. Many of those subjects are followed during days, weeks or months. To grasp a possibly vast and somewhat complex set of interconnected news articles, readers would greatly benefit from tools that summarize those articles by showing main actors, their interplay and their trajectories in time and space, their motivations, main events, causal relations of events and outcomes. In other words, tools that extract narrative elements and re-represent them in formats that convey the essential story but that are more efficiently consumed by the users. In this talk I will talk about these research challenges and current state of the art.



SPEAKER

Alípio M. Jorge is an associate professor at the Department of Computer Science of the Faculty of Science of the University of Porto. He is head of the department since July 2018 and the coordinator of LIAAD, the Artificial Intelligence and Decision Support Lab of INESC TEC. His research interests are Data Mining and Machine Learning, in particular recommender systems and personalisation, NLP, information extraction and frequent pattern mining. He was director of the Master courses in Data Science, in Computer Science and in Data Analysis and Decision Support Systems. He lead projects on information extraction, machine learning, data mining and web intelligence. He co-chaired international conferences (DSAA 2021, ECML/PKDD 2015, Discovery Science 2009, ECML/PKDD 05), workshops and seminars in data mining and artificial intelligence, including the recent series of Text2Story and ORSUM Workshops. He was Vice-President of APPIA and he is in the coordination board for the Artificial Intelligence Portuguese Strategy.