

RESEARCH THEME

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Title of the doctoral research

Visual exploration of digital archives

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Abstract

Over the past few decades, there has been a growing trend towards digitizing various types of archives, including historical, cultural, and corporate archives. This has been accompanied by the emergence of born-digital data, such as social media interactions and historical copies of websites, which present both challenges and opportunities. The development of digital solutions for facilitating access to archives has raised concerns about longevity, i.e., how to design digital solutions that endure over time and how to develop processes that facilitate the conservation and maintenance of interfaces. In addition, the exploration of archives through visual means is being impacted by the rise of machine learning and Artificial Intelligence technologies: how can approaches coming from those fields enable a new way to curate and experience the content of digital or digitized archives? Finally, having today an advanced state of the art on technologies and methods for the creation of digital surrogates, an increasing number of organizations are reflecting on the digitization of their collections. Designers frequently find themselves in a situation where the archive they are working with has not yet been digitized. However, they still need to come up with ideas and strategies for making the archive accessible and usable. The Ph.D. candidate will address these critical issues by working on applied projects, designing and prototyping possible solutions, and collaborating with experts from other fields.

Keywords

Information visualization, data visualization, digital archives