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# Reimagining History: The Role of Digital Archives in Education

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#### ABSTRACT

The advent of digital archives has revolutionized historical research and education by enhancing accessibility, engagement, and analytical opportunities. This study examines the transformative impact of digital archives over the last decade, surpassing changes seen in the past fifty years. While traditional archives remain essential, digital repositories have introduced new approaches to historical inquiry, pedagogy, and public engagement. By analyzing key aspects such as discovery, preservation, and ethical considerations, this paper highlights how digital archives foster critical thinking, enable broader access to primary sources, and support interdisciplinary research. Despite challenges related to technological obsolescence, accessibility, and data integrity, digital literacy and archival integration in educational curricula present significant opportunities for enriching historical understanding. The study underscores the necessity for collaborative efforts among educators, historians, and technologists to ensure the responsible and sustainable use of digital archives in education.

Keywords: Digital archives, historical research, education, digital literacy, pedagogy, historical inquiry.

# INTRODUCTION

The ways history has been accessed and studied have evolved significantly, especially in the last few decades. This evolution is largely driven by advancements in information technologies, particularly the rise of online digital archives. This investigation aims to assess the changes in the field and the impressions created by this shift, asserting that digital archives have transformed historical practice more in the last ten years than in the last fifty. While traditional archives continue to be vital, the rise of digital archives and text mining technologies has led to enhanced productivity, engaging with raw and unstructured materials that shape conventional history. Five key points highlight the implications and approaches toward these archives, contrasting them with traditional repositories: discovery, modeling, abstraction, analysis, and (re)action. It's crucial to recognize the role technology plays in current affairs, especially regarding digital archives and text mining. The influence of contemporary data-technology is evident, yet this discussion focuses on elements impacting pedagogy and scholarly work. Beyond the significance of digital engagement, the necessity for exploring these archives remains, as traditional historical topics maintain relevance today. Interestingly, delving deep into archives may reveal insights into the present, creating intersections between historical content and contemporary issues. This interconnected analysis proves fruitful, as digital archives facilitate easier access and comparison of historical documents with present holdings, allowing for richer understandings across different temporal scales [1,2].

#### The Evolution of Digital Archives

Digital archiving predates the web, with initiatives like the Internet Underground Music Archive preserving music and culture. It began in the 1970s with the advent of email and evolving computer systems, leading to concerns about the permanence of electronic records compared to paper. Digital storage necessitates constant updates in equipment and software, unlike traditional archival methods. Advances in technology have facilitated the preservation of metadata for both physical and digital items, enhancing public access and ensuring security. Since the addition of the whitehouse gov domain in 1997, regular PDF archives of digital files have made governmental information more accessible, akin to

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traditional paper archives. Controversy arose when a large number of emails were released in response to public scrutiny regarding the White House email archiving policy, prompting criticism of communications management. Collaborations between legislative directors and historical societies emerged amid scandals over the handling of emails. Privacy and national security now influence archival laws, replacing earlier exemptions related to physical documents. The Freedom of Information system has enhanced the searchability of emails, while navigating the challenges of preserving digital information remains a bipartisan issue [3,4].

# Importance of Digital Archives in Historical Research

This article opens with a photograph of a heartbroken widow whose expression reflects profound loss. Although initially thought to be in mourning, research reveals the timing of her husband's death was misinterpreted. She embodies independence in a society that often restricts women, and her story serves as a reminder of how archives shape historical understanding. As digital archives expand, they enhance access to a wider range of primary sources, transforming scattered documents into well-organized collections valuable for research. This shift allows students and scholars to consult major libraries from anywhere, overcoming geographic limitations. It empowers undergraduates in different cities to conduct necessary inquiries and gather information, especially regarding specific local narratives. Moreover, digital archives facilitate research previously constrained by location, displaying how extensive printed records illustrate the governance of early modern state cities. The rise of the press has modified traditional market structures, but the influence of juvenile newspapers since the 1990s has complex implications for news design and competition. Such lesser-known narratives enrich historical understanding without serving as alternative explanations. Historians may overlook unexpected evidence, and the interplay of exclusionary narratives often distorts the past. The practices in producing news documents, including translation and foreign copies, introduce cognitive pitfalls, while the mechanization and standardization of records present challenges in archival security. The evolution of colonial journalism, transforming from handwritten to standardized forms, complicates the quest for evidence from this extraordinary period, leaving behind cryptic remnants of history [5, 6].

#### **Educational Benefits of Digital Archives**

As the times are changing and technology is constantly evolving, so must the way that history is taught. Digital archives offer countless educational opportunities that can be harnessed and used to supplement and further enrich traditional teaching practices. In the field of history, there are numerous benefits that digital archives can offer to students. The primary use of a digital archive is to supply access to direct source materials, allowing students the same opportunities that professional academics have. What this means is that students can now directly examine the evidence and draw their conclusions. This, in turn, builds crucial analytical and critical thinking skills. Digital archives can also offer unique interactivity that physical sources cannot. Some archives offer students the chance to view documents in ways that the general public never could otherwise, from every last angle. Many types of documents cannot be easily presented to students without the aid of a computer. Lastly, the possibilities are vast for the types of material that an archive can hold; it is thereby possible to reach students who would not be interested in history through other means and cater to a larger range of learning styles and interests. There are many ways in which a teacher can employ an archive to provide students with an enriching and educational experience. A digital archive can be used to prompt questions based on the historical significance of something. It can also be used to provide resources for a project or presentation. Such projects could be as simple as researching the creator and historical context or as complex as matching different documents together in tandem with other resources. Lastly, an archive can be used for exploration purposes to obtain a full understanding of what is there and what it can offer [7, 8].

#### Digital Literacy and Historical Inquiry

Historical knowledge has traditionally relied on written records, but advancements in technology now enable the electronic acquisition, storage, and retrieval of documents. These innovations allow for more precise transcription, better retention, and faster accessibility to written records. Online texts are increasingly accessible, searchable, and shareable, enabling users to combine online resources into new forms. Digital literacy has become essential for effectively using electronic records to create and distribute new products. The focus of historical inquiry is shifting from mere access to digitized objects to equipping qualified students with the skills to evaluate the provenance and credibility of digital claims. Digital applications are transforming historical inquiry by providing comprehensive perspectives on human activities and extending beyond traditional document boundaries. Students can explore context and utilize digital systems for innovative material representation. This crossroads of digital literacy and

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historical investigation is ripe for exploration in educational settings. Digital records can now be meticulously analyzed, allowing for nuanced understandings of historical events that traditional methods struggle to achieve. Success depends on students' abilities to select, utilize, analyze, and represent digital tools and data effectively. It is imperative to integrate digital literacy into the secondary curriculum to prepare students to engage critically with electronic information and understand the complexities of history. Technology-based historical inquiries in classrooms foster deeper contemplation of historical causes and effects. Combining written assessments with multimedia projects can enhance comprehension of historical contexts. However, this evolution requires developing key skills necessary for meaningful engagement with historical inquiry, addressing the challenges that have arisen in the media age. Supporting such skill development for all students within standard curricula is essential for narrowing societal and economic gaps growing alongside digital advancements. Being a historian involves considering sources and their power in shaping history, and the digital realm adds a new layer to this scrutiny. The online world presents unique challenges in source study, where many resources lack direct ties to historical events. Recognizing these challenges is crucial as the digital environment is rife with flawed or misleading representations of history, necessitating a discerning approach to evaluating sources and information [9, 10].

#### Case Studies of Successful Digital Archive Projects

This paper presents case studies exemplifying successful digital archive projects to inspire future endeavors. The studies showcase diversity in context and focus, with some findings adapted from earlier publications and others derived from interviews with project leaders, resulting in limited scope. Case studies are categorized based on relevance, with some highlighting innovative practices, while others involve already digitized collections. Despite these limitations, a wide variety of projects are discussed, emphasizing community involvement in digital archive development. Research into community digital heritage projects indicates that such involvement, alongside community-based organizational partnerships, is vital for project sustainability. Many projects feature annual digitization days or scanning workshops, where community members contribute family photos to archives, actively engaging with their heritage. Additionally, a goal is to showcase diverse materials digitized by small to mid-sized institutions for public online access. Various items are digitized, including artifacts and paintings, which are photographed to create high-quality digital surrogates. A specialized setup is necessary for delicate and rare maps. One historical newspaper collection is being advanced with a state digital grant submitted by two smaller libraries, transitioning from an uncatalogued paper list in perilous storage to an online presence [11, 12].

## **Challenges in Accessing Digital Archives**

Digital archives have transformed historical research and are vital for public history and education. Many long-term projects have converted documents to digital format, while some institutions digitize original digital documents for archiving. However, working with digital archives can still be challenging. Not all organizations provide searchable digital copies, and those that do may have outdated interfaces. Server downtime or complex search engines can render electronic content inaccessible. Unlike print sources in libraries, digital archives are not inherently public, making the process of searching for historical sources often exclusive. This exclusivity raises concerns about equity, as access to digital content can be limited. It is crucial to re-evaluate the relationship between the conceptualization of historical documents and actual interactions with these sources, including online and electronic archives. Modern archives may use advanced formats that could become outdated; thus, access to information is always at risk. Digital archiving requires significant resources, and most archives are ill-equipped for this endeavor. Proper technical infrastructure, time investment, security measures, and copyright issues must all be considered. Archives often prioritize hard-copy documents due to donor pressure. When donors provide digital documents, they are usually transferred onto rigid data carriers, limiting further engagement. The data on these carriers can be fixed and vulnerable to time, and any inherent "links" within the collection could become broken, complicating data navigation [13,14].

#### **Preservation of Digital Archives**

A vast amount of digital materials is produced daily, with many representing our cultural heritage. However, these materials are vulnerable to technological changes and degradation, making them impermanent. This creates a need for collaborative efforts to develop strategies for preserving digital records and ensuring long-term access. Archivists and preservationists are increasingly concerned about digital American culture, as historians rely on these archives for interpretation and analysis. The rise of digital archives highlights the necessity for collaboration among archivists, historians, and technologists.

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This discussion includes examining the digital archive's role in American culture, the challenges it presents, and possible responses. Special attention is given to responses to the impermanence of digital records, analyzing initiatives from the Library of Congress's National Digital Information Infrastructure and Preservation Program, the National Archives and Records Administration, and the University of Illinois at Urbana-Champaign. Recent advancements in technologies and methods have revolutionized record creation, maintenance, and manipulation. The emergence of "born digital" records, which originate from computer processing, has prompted a response primarily in recent years. Notably, the Library of Congress initiated NDIIP in 2000, and NARA established its Electronic Records Archives. Historians often view the current digital archiving state as inadequate. The challenges of digital record impermanence are significant but can be addressed through ongoing development and collaboration. In the digital age, historical accuracy is scrutinized as ethics and responsibilities surrounding digital archives become complex. The ethics and responsibilities of preserving online resources require attention to shifting contexts that affect how these archives are structured and accessed. Issues relating to web archive framing are explored, emphasizing the involvement of the British Library and European Archive, alongside a secondary analysis of Project web archives. Recommendations suggest a shift in focus towards the materiality of preserved resources over content, enhancing cultural heritage safeguarding while addressing historical accuracy in digital archives [15, 16].

#### The Role of Educators in Utilizing Digital Archives

Digital archives are expanding historical resources that provide public access to primary source materials like documents, photographs, and maps. These digital materials often come with metadata, facilitating research use. Digital archives have great potential for enhancing public engagement with history, extending beyond traditional educational settings. However, evaluating the success and broader impact of these projects remains a complex question, beyond mere visitor metrics. Educators in various institutions should share insights on their use of these archives, leveraging them to encourage historical inquiry and engage learners. Digital literacy is crucial for educators to effectively navigate these resources, with information professionals guiding users on historicized metadata. Lesson plans focused on specific digital collections can enhance exploration through geographic browsing or digital maps. Efforts are ongoing to connect educational and informational realms through workshops and training, empowering educators to effectively utilize the digital archival landscape. Curating digital archives for educational purposes is becoming increasingly important, as is promoting critical thinking and ethical use among learners. Historical inquiry practices help assess the authenticity of digital materials. Educators facilitate environments that encourage a deeper understanding of historical concepts and promote further exploration within local communities [17, 18].

## **Engagement Strategies for Students**

When working with digital archives in an educational setting, consider focusing on how to engage students more than on the content because effective strategies in one setting might not work in another. Different students will like working with the archives in different ways, and that's okay. Engagement strategies that can be used in the K-12 classroom include projects, (particularly towards the close of a unit more in-depth projects help solidify the connection the student has made to the material), multimedia (photos or films that can be used as a resource or lesson starter), interactive methods, and files to put digital records of a historical nature into the hands of each student, through a specialized software program. For higher-level students use multiple records for complex research. 2 minutes with a record provides an opportunity for students to ask and answer questions as well as interact with the record in a way a simple viewing does not. The nature of the records affects how it can engage with them, but the records affect what can be learned as well. The records have to be interpreted, contextualized, and analyzed thoroughly to be understood. Some records have information that is hard to comprehend without expert background knowledge, but working with the record to try to understand, even if ultimately failing in that aim, is valuable anyway. An archaeomagnetic report can serve as the lens through which to view the many related historical documents included in the investigation. With this basis, lessons can be conducted on commonly used terms within the reports, and more robust historical timelines can be derived from the reports as well. These historical timelines can lead to a greater understanding of larger, global events that transpired during the site's history. It can become evident that some of the records may not be as informative as others and that examples of historiographies work with what records often do and do not contain. This can also lead to the students' drafting a list of questions as a "research agenda" before engaging with archival resources [19, 20].

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## **Integrating Digital Archives into Curriculum**

Digital archives are valuable across various academic disciplines, especially history and social studies. However, effectively integrating these resources into the curriculum can be complex, as aligning digital content with district learning objectives and skill standards is essential. Archives may lead to disjointed lesson plans if their unique features are not seamlessly integrated into existing materials. Fortunately, there are multiple effective ways to incorporate archives, such as filling historical gaps with texts and images or designing activities around target documents. Archives should enhance students' understanding rather than serve as final objectives. For educators, merging archival materials with the current curriculum poses challenges, especially in high-pressure situations, unlike traditional textbook issues. Numerous integration methods exist, including exhibits, timelines, and mapping activities that can easily transition between lessons. For educational outreach staff, preparing and distributing reproduction materials is a time-consuming yet crucial task, as these materials represent the connection between K-12 students, educators, and historical records. Classroom visits by staff can help educators explore potential uses for archives, digital or physical. With digital copies, many students can access historical resources, allowing standalone materials to complement existing coursework. However, staff may struggle to identify educational gaps or optimize resource utilization. In today's "Email Me" education climate, K-12 teachers might lack familiarity with the archives community and may hesitate to incorporate complex library resources into already tight schedules. Nonetheless, with targeted development and improved workshop offerings, fostering long-term partnerships between curatorial institutions and schools remains a viable goal [21, 22].

# **Ethical Considerations in Digital Archiving**

Metadata regarding reproduction creation, content, or owner of digital archives can be unintentionally obscured. For instance, a photographer's image may gain archival significance and be utilized in various educational contexts, prompting inquiries about the ownership of this new archive. Various materials, including existing photographs, maps, documents, audio recordings, videos, speeches, exhibitions, and contemporary broadcasts, can all be transformed into valuable archival objects through digital technology that can alter them significantly. Even items recorded on contemporary analog media, like film or VHS, are effectively archival, despite not being old. The production conditions of high-quality video can limit access for potential users. While digital archiving aims to increase material accessibility, there's a risk that events and items traditionally recorded on lesser quality media might vanish with the shift towards digital formats. The core goal of educational archives should prioritize the authenticity and integrity of maintained objects, often linked to their physical presence. This complexity, alongside modern technology's limitations and the interplay of public and private interests, poses challenges for curators. Key decisions will generally revolve around specific critical questions. Achieving effective digital archiving for educational purposes demands the establishment of clear standards and guidelines. Stakeholders and policymakers must navigate the paradigm shift necessary to comprehend and apply these standards, which should encompass technical specifications, data models, metadata schemas, best practices, methodologies, efficient workflows, and quality management strategies. Additionally, identifying methods for stakeholders to understand and implement these standards is crucial, requiring clarity on involvement and the necessary steps to take [23,24].

#### The Future of Digital Archives in Education

The full reach of digital archives is vast and diverse, encompassing various forms from born-digital data sets to scanned physical documents. They engage users in multiple ways—some study, some teach, and others create. This field is navigating the profound impact of digital archives on education. Archives are material records, or primary sources, preserved for their lasting value, which are now increasingly selected and maintained digitally. Digital archives, born from specific archival practices, intersect with traditionally created archives and offer greater accessibility. Understanding them requires awareness of both the medium and the context. Digital archives provide numerous methods for access and analysis, influenced by sociotechnical forces governing knowledge creation and preservation. Technological innovations continually reshape archives, introducing new creation methods, forms, and access options, with interactive archives being a noteworthy area of research. This could mean creating archives where users actively engage, akin to annotating facsimiles of documents but with enhanced digital possibilities. Digitization also facilitates moving archives into education, promoting maker-based methodologies. However, preservation mode significantly affects long-term durability; current storage methods, like disk storage, may be less reliable than expected. As technology evolves rapidly, existing storage methods risk obsolescence, posing a threat to the preservation of recent historical records. Therefore, resilient

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preservation methods that adapt to evolving archival forms are vital. Platforms designed for longevity likely have a better chance of enduring. Additionally, drawing on large datasets manually is impractical; AI technology can adeptly manage and interpret these resources. Educators can leverage AI insights to enhance classroom learning and curate digital archives effectively. While traditional artifacts connect contemporaries to the past, the rise of digital archives creates a disconnect for students who may be unfamiliar with physical documents. Augmented reality may bridge this gap by enabling immersive experiences through which students can interact with objects linked to specific locations. This technology could present living character models and responsive dialogues that explain complex historical events while providing access to primary source documents in their original contexts [25, 26].

# **Comparative Analysis of Traditional Vs. Digital Archives**

Traditional archives evoke physical authenticity, offering a unique presence that digital reproductions can't replicate. While traditional materials like manuscripts and parchment possess a certain allure, their durability may diminish with handling, and access can be limited by location or cost. Digital reproduction offers high-quality images, maintaining the perception of analog authenticity despite missing tactile elements. Screens enable interactions—magnification, color adjustments, scrolling—that enhance the reading experience, even in regulated collections. However, advancements in technology raise concerns over easy replication and misuse of digital images, potentially eroding their uniqueness. While digital formats can obscure original transparency and allow for unnoticed manipulation, protecting against forgery remains an ongoing challenge. Analog objects may outlast digital formats, with physical prints sensitive to technological changes, contrasting with increasingly rare machines and formats; certain videos may become unreadable without transfer to new formats. Though analog materials can often be repaired or reverse-engineered, digital files must be maintained across evolving formats. The impact of digital technology on the perception of uniqueness and authenticity has transformed since photography's inception; the rarity of an event or item has become commodified, particularly in the entertainment industries. Continuous streaming and reproduction blur traditional definitions of authenticity, leading to a re-evaluation of live performances and their significance as a different type of authenticity amid the proliferation of bootlegs and covers [27, 28].

## **Technological Innovations Enhancing Digital Archives**

Digitization is changing not only what we know about the past but also how we know it and how we communicate it. Historical archives are being increasingly made available in digital form, alongside museums, artifacts, and historic sites. This is even transforming the traditional methods and modes of conducting and disseminating historical research. As the output of historical research, digital archives are constantly subject to redefinition, reinterpretation, and restructuring, thus promoting an ever-evolving conversation with those interested in history. Moreover, the properties of digital archival materials can be enriched and organized in characteristically "digital" ways so that digital archives can serve functions well beyond what is conceivable for their paper-based counterparts, particularly in terms of their reuse in new connections, blending, linking, aggregation, and visualizations. This immersive experience could transform the way we interact with historical material and, more generally, cultural heritage. At the base of this innovation is the fast evolution of enabling technologies, such as 3D capturing or reconstruction software and devices, ever more powerful, portable, and affordable computing architectures, Virtual Reality (VR), and Augmented Reality (AR). These kinds of digital formats could exploit a progressive "digital reusability" of the archival material 3, considering that information could be recovered from it at different scales, for different purposes, and in different ways, enriching and evolving it in time. The scenario is completed thanks to the opportunities offered by big data analysis and analytics. The former could afford powerful methods for describing content and data, algorithmically organizing and classifying it, while the latter could enable new ways for visualizing, retrieving, and multimodally exploring archived materials, potentially offering serendipitous findings to scholars, professionals, students, and general users. However, in parallel with these potentials, there is also a dark side of it, as such technological and organizational developments require taking into consideration the liabilities of issues related to data privacy and data protection, data traces, and erasability as well as systemic risks of data states, data availability, and data integrity. Moreover, digital preservation is not only the technical side of things; laws and regulation, rights, traceability, certification, consensus, market, and financial issues are part of the matter  $\lceil 29, 30 \rceil$ .

### CONCLUSION

The role of digital archives in education extends beyond mere access to historical documents; it redefines how students, educators, and researchers interact with the past. By providing unprecedented access to

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primary sources, digital archives enhance historical inquiry, foster critical thinking, and bridge the gap between historical content and contemporary issues. However, challenges such as digital preservation, ethical considerations, and accessibility disparities must be addressed to ensure long-term sustainability. Educators play a crucial role in integrating digital archives into curricula, equipping students with the necessary digital literacy skills to analyze and interpret historical data effectively. As digital technology continues to evolve, collaboration among archivists, historians, educators, and policymakers is essential to maximize the potential of digital archives as transformative educational tools.

#### REFERENCES

- 1. Hendry J. Primary sources in K-12 education: Opportunities for archives. The American Archivist. 2007 Jan 1;70(1):114-29.
- 2. Colavizza G, Blanke T, Jeurgens C, Noordegraaf J. Archives and AI: An overview of current debates and future perspectives. ACM Journal on Computing and Cultural Heritage (JOCCH). 2021 Dec 14;15(1):1-5. acm.org
- 3. Glassford S. Black hole or brave new world? Archivists, historians, and the challenges of the digital age. Emerging Library & Information Perspectives. 2018 May 1;1(1):91-110.
- 4. Hoyt E, Morris JW. Fourteen. Saving Podcasting's Contexts: Archive Collecting Strategies and Media Historiography. InSaving New Sounds: Podcast Preservation and Historiography 2021. University of Michigan Press.
- 5. Chang JE, Lai AY, Gupta A, Nguyen AM, Berry CA, Shelley DR. Rapid transition to telehealth and the digital divide: implications for primary care access and equity in a post-COVID era. The Milbank Quarterly. 2021 Jun;99(2):340-68. nih.gov
- 6. Birner R, Daum T, Pray C. Who drives the digital revolution in agriculture? A review of supply-side trends, players and challenges. Applied economic perspectives and policy. 2021 Dec;43(4):1260-85. wiley.com
- 7. Habib M. Digital transformation strategy for developing higher education in conflict-affected societies. Social Sciences & Humanities Open. 2023 Jan 1;8(1):100627.
- 8. Gao Z, Braud TC. VR-driven museum opportunities: digitized archives in the age of the metaverse. Artnodes: revista de arte, ciencia y tecnología. 2023(32):1-4.
- 9. Nguyen LA, Habók A. Tools for assessing teacher digital literacy: a review. Journal of Computers in Education. 2024 Mar;11(1):305-46.
- 10. Milenkova V, Lendzhova V. Digital citizenship and digital literacy in the conditions of social crisis. Computers. 2021 Mar 25;10(4):40.
- 11. Tait E, MacLeod M, Beel D, Wallace C, Mellish C, Taylor S. Linking to the past: an analysis of community digital heritage initiatives. InAslib proceedings: New information perspectives 2013 Nov 25 (Vol. 65, No. 6, pp. 564-580). Emerald Group Publishing Limited.
- 12. Sheldon M. Analysis of current digital Preservation Policies. Archives, Libraries and Museums. [pdf] Available at:< http://www. digitalpreservation. gov/documents/Analysis% 200f% 20Current. 2013 Jul 22;20.
- 13. Kumari N. Using SPSS to Find the Factors Affecting the Quality of Education in Private Universities in Haryana. i-Manager's Journal of Educational Technology. 2019;15(4):31.
- 14. Hawkins A. Archives, linked data and the digital humanities: increasing access to digitised and born-digital archives via the semantic web. Archival Science. 2022 Sep;22(3):319-44.
- 15. Bessette J, Hayden W, James JM, Prince K, Manis K, Wilde PA, Gaillet LL, Rose JA, Regidor MP, Benson SF, Takayoshi P. Unsettling Archival Research: Engaging Critical, Communal, and Digital Archives. SIU Press; 2023 Mar 22.
- 16. Dunley R, Pugh J. Do archive catalogues make history?: Exploring interactions between historians and archives. Twentieth Century British History. 2021 Dec 1;32(4):581-607.
- 17. Greenberg J. Metadata and digital information. Encyclopedia of library and information science, 2010;1(1):3610-23.
- 18. Shen Z, Zhang R, Dell M, Lee BC, Carlson J, Li W. Layoutparser: A unified toolkit for deep learning based document image analysis. InDocument Analysis and Recognition—ICDAR 2021: 16th International Conference, Lausanne, Switzerland, September 5—10, 2021, Proceedings, Part I 16 2021 (pp. 131-146). Springer International Publishing. <u>[PDF]</u>
- 19. Chiu TK. Student engagement in K-12 online learning amid COVID-19: A qualitative approach from a self-determination theory perspective. Interactive learning environments. 2023 Aug 18;31(6):3326-39.

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- 20. Lee SJ, Kwon K. A systematic review of AI education in K-12 classrooms from 2018 to 2023: Topics, strategies, and learning outcomes. Computers and Education: Artificial Intelligence. 2024 Jun 1;6:100211.
- 21. Aini N, Herdina GG, Nasrullah NS. (GARY) Game-Library: Digital Library Game Based on Augmented Reality to Realize The Golden Indonesian Generation in 2045. InProceeding International Conference on Education 2023 Aug 28 (pp. 25-32). <u>iainkediri.ac.id</u>
- 22. Kansteiner W. Digital doping for historians: Can history, memory, and historical theory be rendered artificially intelligent? History and Theory. 2022 Dec;61(4):119-33.
- 23. Manžuch Z. Ethical issues in digitization of cultural heritage. Journal of Contemporary Archival Studies. 2017;4(2):4.
- 24. Nix A, Decker S, Kirsch DA, Venkata SK. Archival research in the digital era. InHandbook of historical methods for management 2023 Jul 14 (pp. 156-172). Edward Elgar Publishing. <a href="https://html/">[HTML]</a>
- 25. Wagner TL, Fenlon K, Sorensen A. "Garbage Bags Full of Files": Exploring Sociotechnical Perceptions of Formats within the Recovery and Reuse of Scientific Data. Proceedings of the Association for Information Science and Technology. 2023 Oct;60(1):396-407. [HTML]
- 26. Ringel S, Ribak R. Platformizing the past: The social media logic of archival digitization. Social Media+ Society. 2024 Feb;10(1):20563051241228596.
- 27. Malik US, Tissen L, Vermeeren A. 3D reproductions of cultural heritage artifacts: evaluation of significance and experience. Studies in digital heritage. 2021 Jun 30;5(1):1-29.
- 28. Chandra DC. The Impact of Digital Technology on Traditional Printmaking Techniques. Siddhanta's International Journal of Multidisciplinary Research. 2025 Feb 26;1(1):122-35. <a href="mailto:siddhantainternationalpublication.org">siddhantainternationalpublication.org</a>
- 29. Eichinger A, Prager K. "Reviving" assets and relating to them—Digital transformations at the Vienna City Library. Manuscripta theatralia Schriftenreihe zu raren Dokumenten und Archivalien im Fokus kulturhistorischer Grundlagenforschung. 2025:187. d-nb.info
- 30. Luthra M, Jeurgens C. Humanising Digital Archival Practice. Access to Archives Guided by Social Justice. Intentional Invisibilization in Modern Asian History: Concealing and Self-Concealed Agents. 2025 Mar 3;16:161. [HTML]

CITE AS: Kakembo Aisha Annet (2025). Reimagining History: The Role of Digital Archives in Education. EURASIAN EXPERIMENT JOURNAL OF HUMANITIES AND SOCIAL SCIENCES, 7(1):8-15