



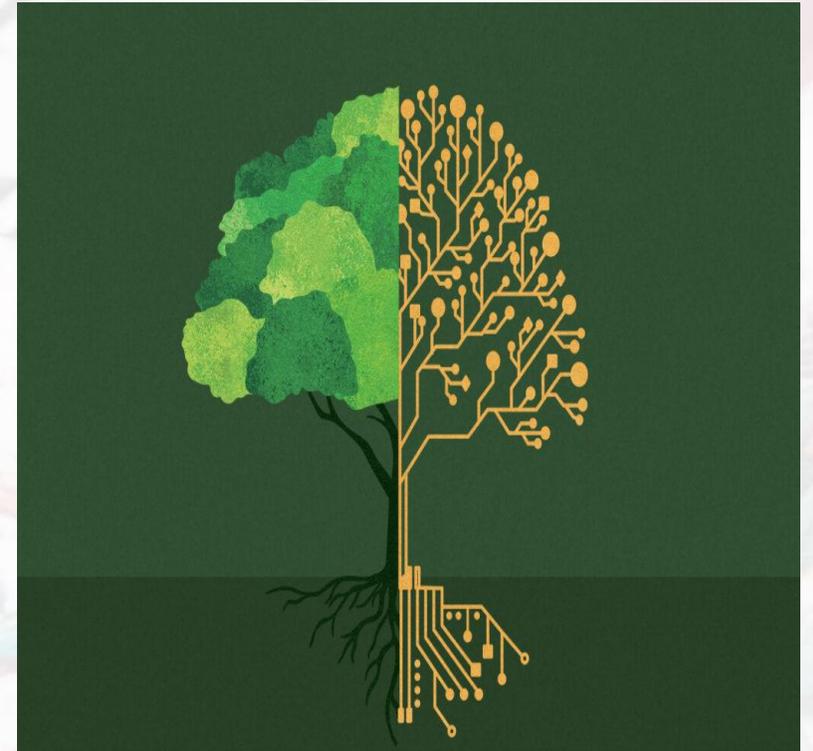
The impact of the digital transition on public collections: the changing role of the librarian profession

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Content of the presentation

- The ever-changing library profession
- Background our present challenge
- Efforts to find a solution
- How adopt the future?



The ever-changing library profession change and continuity

- Librarianship is one of the oldest profession in history
- Constantly change according to the needs of the times
- Most of characteristic and abilities have remained constant only the accents shifted
- These abilities and characteristics: literacy, gatekeeper role, knowledge keeper and transfer, scholar

THE ROLE, SKILLS, AND CAPABILITIES OF LIBRARIANS THROUGHOUT HISTORY

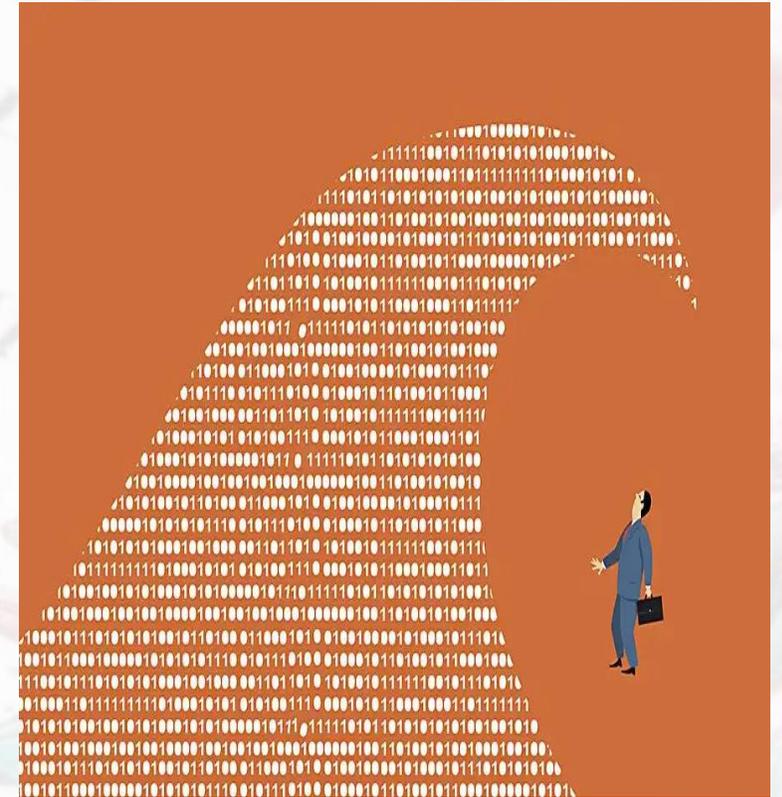
ANCIENT Mesopotamia, Egypt, Greece, Rome	<ul style="list-style-type: none">• Keeper of Knowledge• Scribe	<ul style="list-style-type: none">• Literacy• Multilingualism• Organizing• Calligraphy• Academic Expertise
MEDIEVAL (5th–15th centu)	<ul style="list-style-type: none">• Monastic scribe• Keeper of sacred knowledge	<ul style="list-style-type: none">• Latin• Calligraphy• Copying• Patience• Theological Knowledge
RENAISSANCE & EARLY MODERN (15th–17th centu)	<ul style="list-style-type: none">• Humanist scholar• Collector	<ul style="list-style-type: none">• Languages• Humanistic Education• Booktrade Knowledge• Organizational Skills
ENLIGHTENMENT & 19TH CENTURY (16th–19th centu)	<ul style="list-style-type: none">• Organizer of knowledge• Promoter of public education	<ul style="list-style-type: none">• Cataloging• Classification• Bibliographic Knowledge• Service Mindset
20TH CENTURY	<ul style="list-style-type: none">• Information provider• Community facilitator	<ul style="list-style-type: none">• Information Management• Communication• Technical Proficiency• Social Awareness
21ST CENTURY	<ul style="list-style-type: none">• Information manager• Media literacy educator• Community organizer	<ul style="list-style-type: none">• Digital Literacy• Information Evaluation• Media Literacy

Background our present challenge: Industrial revolutions

Aspect	4th Industrial Revolution	5th Industrial Revolution
Period	From the early 2010s to the present	Expected to begin in the mid 2020s
Main Technologies	Artificial Intelligence (AI), robotics, IoT, Big Data, cloud-based systems, automation	Artificial intelligence + human empathy, human-machine collaboration, ethical technology
Main Goal	Maximizing efficiency and automation	Human-centeredness, social benefit, sustainability
Keywords	Digitalization, sensor networks, smart systems (smart cities, smart homes), industrial robotics	Collective intelligence, human-AI collaboration, ethical AI, integration of social values
Role of the Workforce	Replacement of human labor, need for retraining	Repositioning human creativity and decision-making, collaboration with machines
Challenges	Unemployment due to automation, digital divide, data security	Technological ethics, social polarization, technological control, preservation of human dignity
Impact on Libraries	Mechanization of processes (cataloguing, search, archiving), increased importance of data management	Librarian as a “digital humanist”: interpreter, curator, media-literate educator comes to the forefront
Cultural-Institutional Paradigm	Operating the system based on efficiency	Rethinking the system’s purpose: why and for whom do we preserve data/information?

What is our biggest challenge

- The digital transition more complex process than we first think about it because not just our physical space became digital, but our thinking must also become increasingly abstract
- In parallel with this our gatekeeper role is reduced
- The effect of the data tsunami, the process became more quantity than quality



Efforts to find a solution

- Librarian
- Data Steward
- Repository Manager
- Digital Curator
- Data Analyst
- Data Scientist



How to adapt to the future?

With the advent of AI, computer science skills are being pushed into the background, as they are already partially replaced by AI, and classic skills that have defined the librarian profession from the beginning can come to the fore. Just as the human being is once again given greater emphasis with the advent of the 5th industrial revolution, the librarian and the traditional skills associated with it are once again taking center stage: literacy, gatekeeper, scientist.



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Thank you for your kind attention!

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