

Strategic planning for sustainable LIS profession in the world of AI

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How AI is shaping our life?

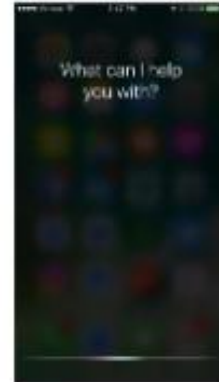
- *Voice Assistants*



AMAZON'S ALEXA



GOOGLE'S ASSISTANT



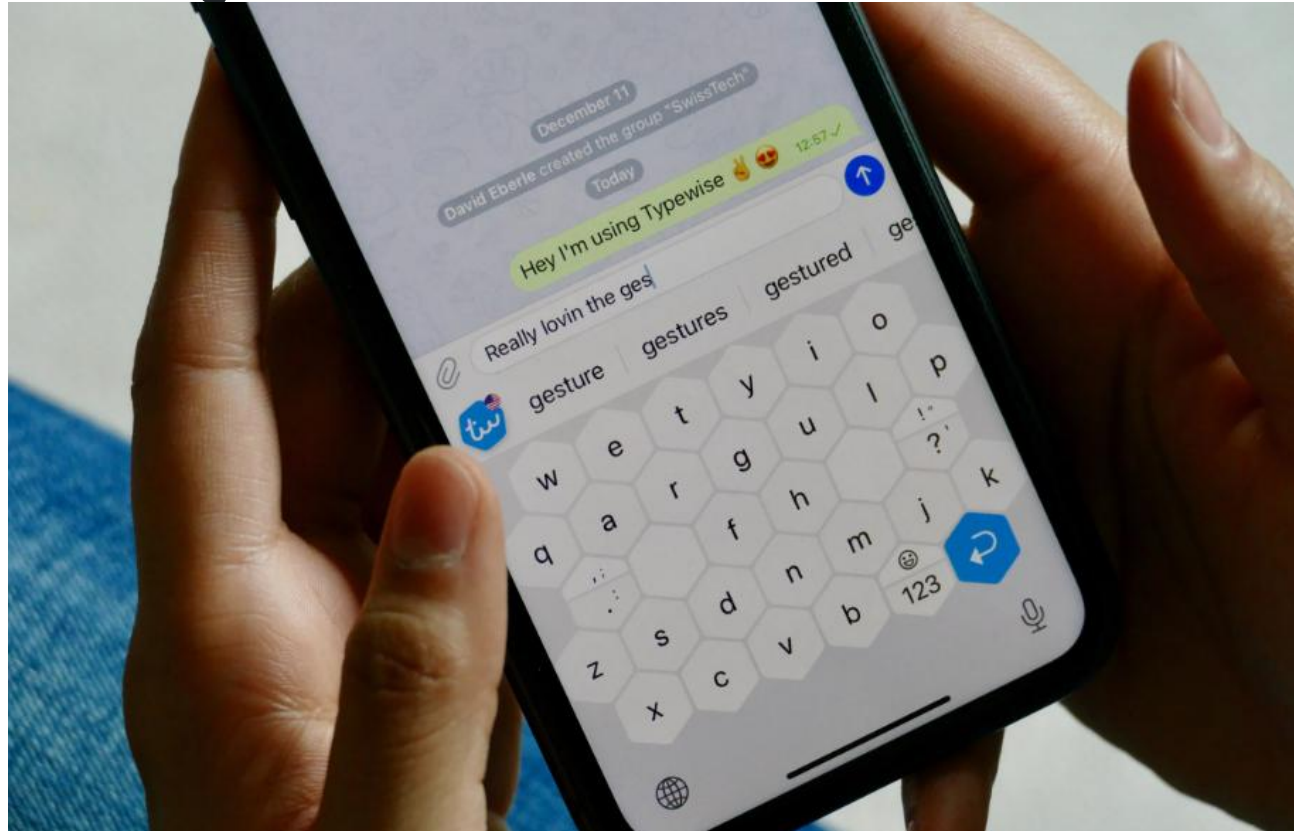
APPLE'S SIRI



MICROSOFT'S CORTANA

How AI is shaping our life (cont..)?

- Smart Input Keyboards



How AI is shaping our life (cont..)?

- Weather Prediction



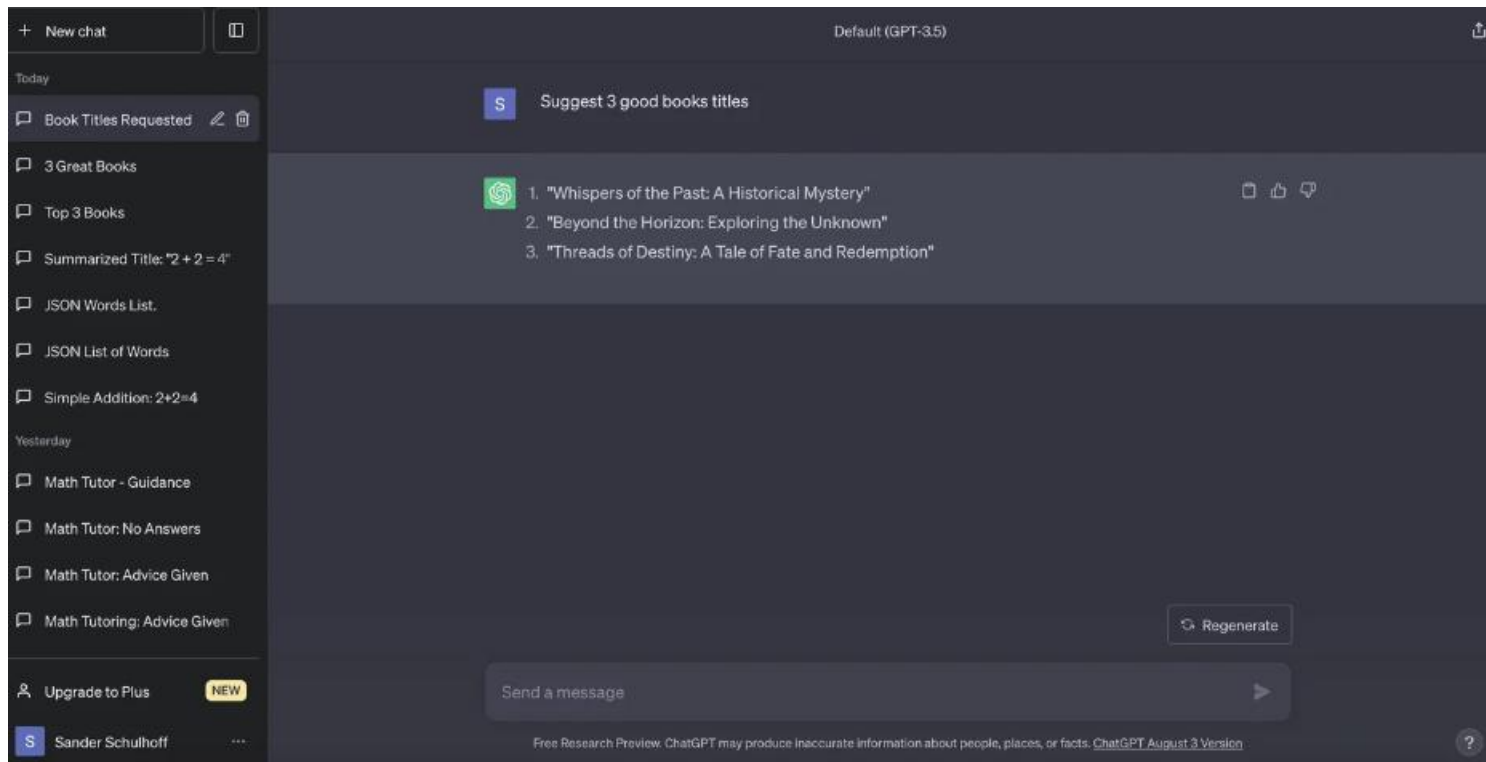
How AI is shaping our life (cont..)?

- AI cameras



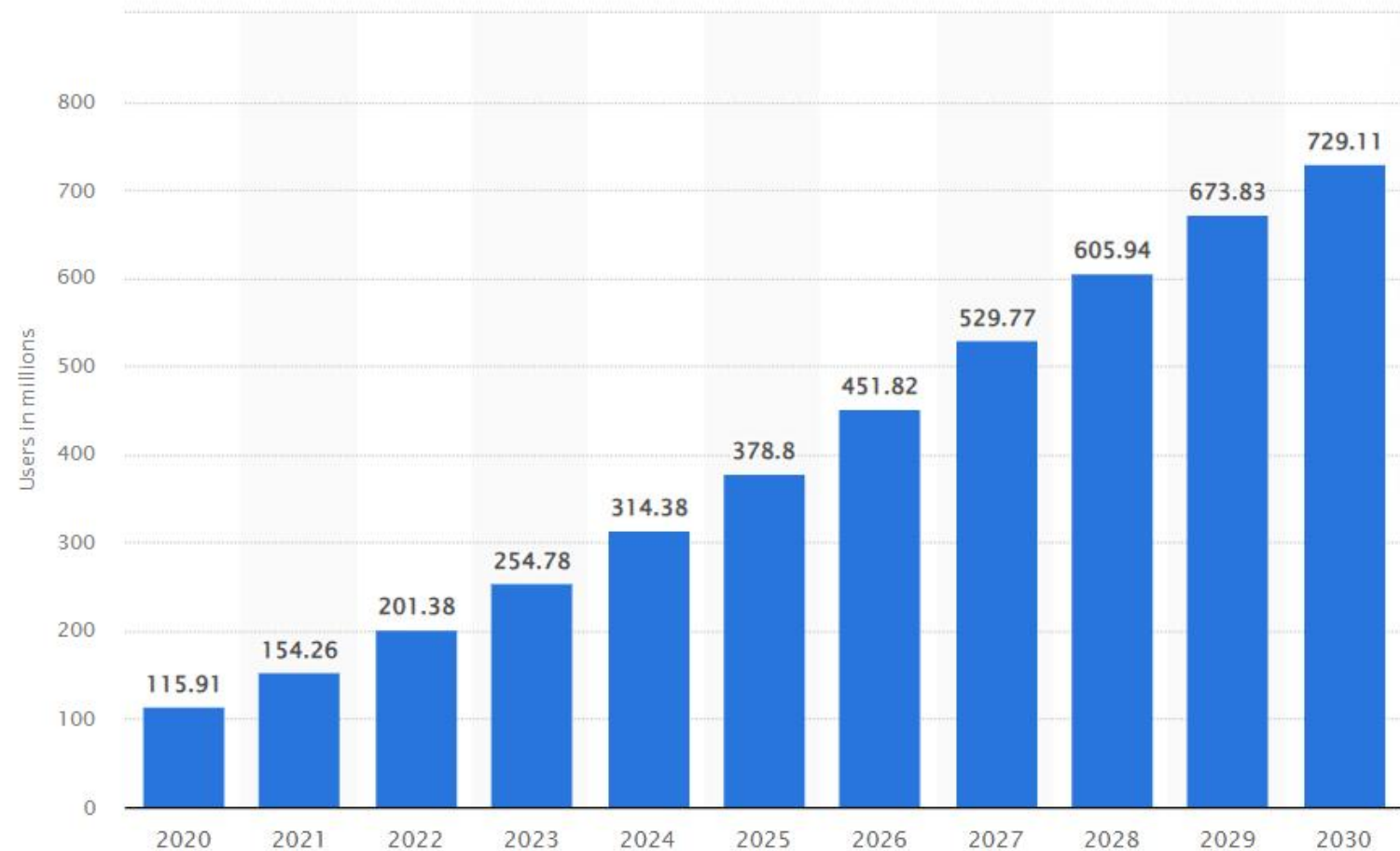
How AI is shaping our life (cont..)?

- Chatbots



Interesting facts!

Number of artificial intelligence (AI) tool users globally from 2020 to 2030 (in millions)



Interesting facts!

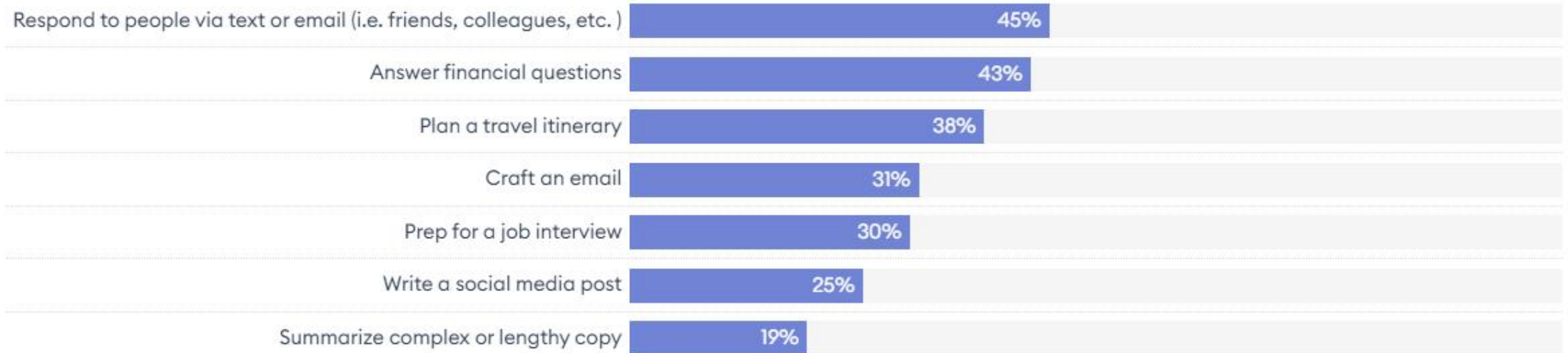
- *ChatGPT had 1 million users within the first five days of being available*
- *Research estimates AI will create 97 million jobs*
- *Chinese companies have had the highest adoption rate of AI*

[Source: Forbes Advisor, June 15, 2024]

Interesting facts!

Most Popular AI Uses

Most Common Way Consumers Plan to Use Artificial Intelligence



[Source: Forbes Advisor, June 15, 2024]

Prologue

- *Artificial intelligence (AI) based tools and technologies are rapidly increasing in each and every task ranging from academia to business organization.*
- *It comes with a lot of benefits and advantages over the traditional methods and system of doing tasks.*

Present context and LIS profession

- There is no denying the fact that without embracing AI tools, it is very difficult for the Library and Information Science (LIS) profession to survive in the complex information world.
- Therefore, a strategic plan is required for ensuring the sustainability of the LIS profession in the world of AI.

Areas for Strategic Planning

Curriculum Development

- *Require future tech-savvy professionals.*
- *Updating curriculum on a continuous basis*
- *Inclusion of technologies more and more*
- *Trend analysis*
- *Insights from stakeholder*

Mindset

- *Uprooting the traditional and conservative outlook*
- *Convert into dynamic professionals*
- *Motivation*
- *Recognition*
- *Awareness*
- *Divert towards innovation*

Continuous skill development

- *Industry research*
- *Skill recognition*
- *Need-based and continuous training*

Continuous service development

- *Market research*
- *Service areas*
- *Need-based services*

Feasibility study of AI integration

The feasibility study should be given priority before adopting any AI tools.

- Consultation with experts
- Pilot testing
- Follow best practices

Collaboration

- *Work with other libraries in developing and integrating AI-based services.*
- *Work with tech companies for innovative AI-based service development*

AI usage policy and guidelines

- *One of the most important areas for strategic planning could be the preparation of AI usage policy and guidelines.*
- *Guidelines should emphasize transparency, accountability, and the protection of user privacy.*
- *Additionally, the LIS profession should advocate for ethical AI practices*

Research and innovation

According to Chen et al. (2021)-

- The combination of trends in AI technologies and the education sector has paved the way for the development of intelligent libraries.
- Therefore, libraries are harnessing innovative technologies such as the Internet of things, RFID, Wi-Fi, BLE, natural language processing (NLP), deep learning, recommender systems, and optical character recognition (OCR), resulting in novel services.

Changing role of LIS professionals

- LIS professionals can work as a change maker and leader in media and information literacy education, digital literacy, ethical use of AI, privacy and data protection etc.
- They can offer training sessions for diverse groups in using AI tools, arrange workshops for awareness on AI and provide relevant and authentic resources on AI.
- LIS professionals can empower users to navigate the digital world confidently and responsibly.

Connecting with Professional networks

- *To get recent news and development*
- *Professional advices*
- *Collaboration*



IFLA initiatives in the context of AI

IFLA

- IFLA, the apex body of library and information professionals and is the global voice of libraries, representing the interests of the profession and working to improve services worldwide.
- IFLA officially began in 1929 with 15 members from 15 countries.
- We now have over 1500 Members and Affiliates from around 150 countries worldwide.

Associations	Institutions	Individuals
National Associations	Institutions	Personal Affiliates
International Associations	Institutional Sub-units	Student Affiliates
Other Associations	One-person Library Centres	New Graduates
Association Affiliates	School Libraries	Non-salaried

AI SIG

- *The establishment of the AI SIG supports and works towards implementing the recommendations as well as adding value and impact to that Statement on Libraries and AI.*
- *The SIG will help address the key areas of innovation and concern for libraries.*
- *The SIG will also explore the risks and opportunities of AI through the lens of traditional professional and ethical practices of library and archival professionals.*
- *Provide an international platform in IFLA to increase AI awareness, education, best practices, and literacy.*

IFLA Statement on Libraries and Artificial Intelligence

Governments (and intergovernmental organizations, where appropriate) should:

- Include Text and Data Mining exceptions in copyright frameworks*
- Ensure that libraries or library networks have the required infrastructure and technologies to be able to adopt and make use of AI technologies.*
- Ensure that any regulation of AI protects privacy or equity principles, while also enabling efforts that support innovation and public interest goals.*
- Ensure that libraries are included in development and implementation of crosssectoral AI programs and strategies.*

IFLA Statement on Libraries and Artificial Intelligence (cont.)

Library associations and library training providers should:

- Support library professionals to understand the impact of AI as well as its intersections with privacy and ethical principles.*
- Advocate for libraries to play a bigger role in changing education systems*
- Engage with AI researchers and developers to create applications for library*

Use

- Act as forums for exchanging best practices on ethical use of AI technologies in libraries.*

IFLA Statement on Libraries and Artificial Intelligence (cont.)

Libraries should, where possible and appropriate:

- Help their patrons develop digital literacies that include an understanding of how AI and algorithms work, and corresponding privacy and ethics questions.*
- Continue to focus their efforts to enable lifelong learning and, where possible, provide services for the unemployed.*
- Ensure that any use of AI technologies in libraries should be subject to clear ethical standards and safeguard the rights of their users.*
- Procure technologies that adhere to legal and ethical privacy and accessibility requirements.*

IFLA Strategic responses to AI

- ✓ *Recruiting new staff with specialist AI skills*
- ✓ *Upskilling existing staff*
- ✓ *Engaging with users to see how they are using AI*
- ✓ *Studying sector best practice*
- ✓ *Running proof of concept projects*
- ✓ *Talking to the system suppliers and buying systems*
- ✓ *Aligning to what is happening in the institution*
- ✓ *Collaborating with other units*
- ✓ *Aligning to what is happening in the sector*
- ✓ *Collaborating with other libraries and organizations*
- ✓ *Adopting a wait and see stance*

Generative AI for LIS professionals

- ✓ In compiling this resource IFLA is seeking to provide a useful non-technical resource for library and information professionals.
- ✓ They are trying to point to authoritative sources which are open to all.

<https://www.ifla.org/g/ai/generative-ai/>

Resource support for LIS professionals by IFLA

Areas:

- A. Starting points: What is AI?
- B. Applying AI to library work
- C. Hands on with the technologies
- D. AI (including data) literacy training
- E. Responsible AI and its ethics
- F. Strategic context

<https://www.ifla.org/23-resources-to-get-up-to-speed-on-ai-in-2023/>

Conference



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Sources

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Thank you

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