SMART FUTURES: ENHANCING ACADEMIC PROCESSES THROUGH AI

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THE NIGERIA COMPUTER SOCIETY (NCS), KWARA STATE CHAPTER
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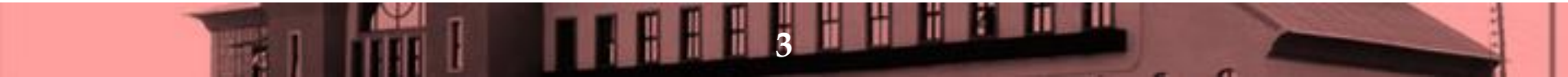
Presentation Aim

. To bring to our awareness how the application of Artificial Intelligence Tools can be used to enhance academic processes thereby replacing **hard work** with **smart work**

Presentation Outline

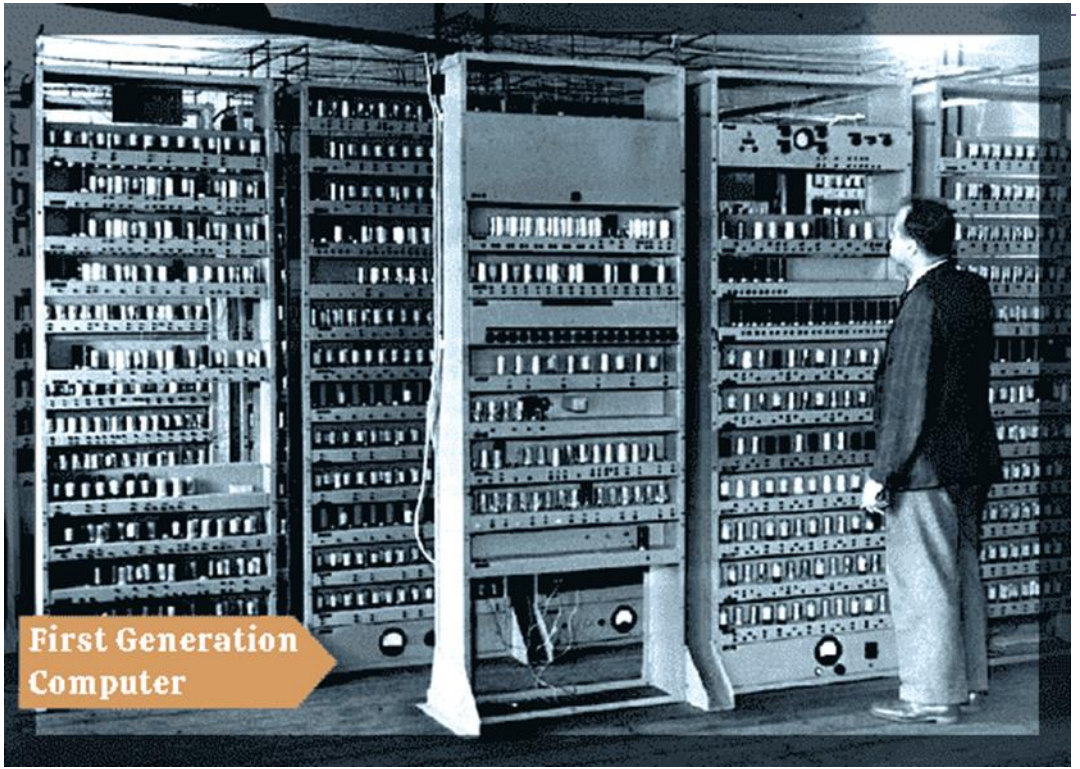
- Introduction
- Going Back the Memory Lane…
- What Does Smartness Connotes ?
- Reactions to Innovations
- What is Artificial Intelligence
- Fields under AI
- AI Tools
- AI Tools for Conducting Literature Review
- Ethical Concerns in the Use of AI Tools



Opening Quote

- "Hard work pays off, but smart work amplifies the results. Its not just about efforts; its about strategy"
  - ChatGPT

Going Back the Memory Lane…



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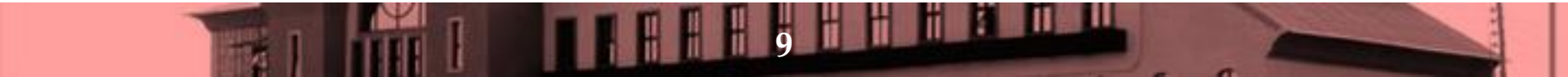
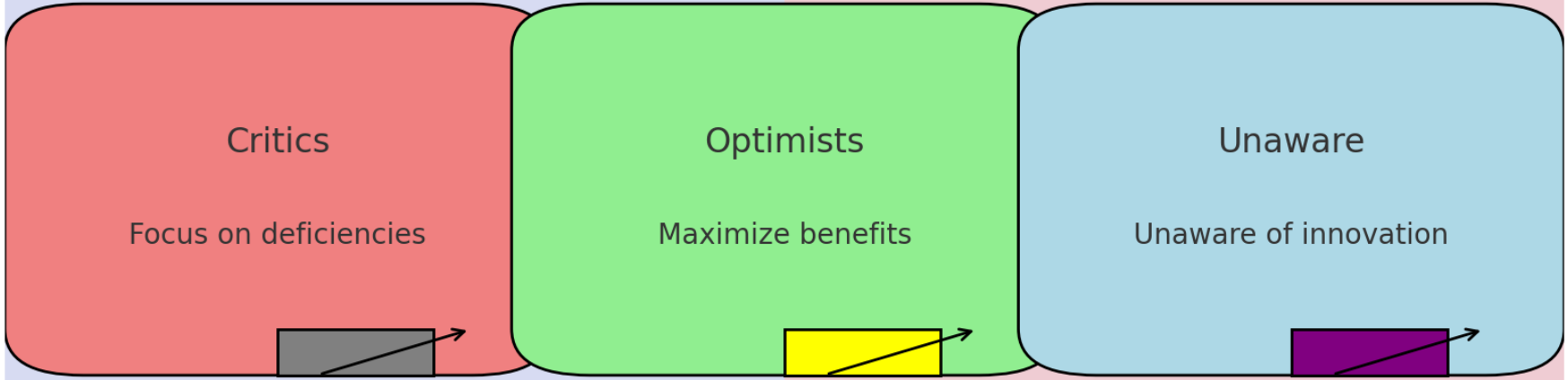
What Does Smartness Connotes ?

- The use of assistive technologies that overshadows or improve our human weaknesses
  - Deaf uses smart hearing aids
  - Those who lost some parts of their bodies (be it legs or hands) can replace the lost ones with artificial ones that works almost like the natural one
- Therefore as academics with weaknesses, be it in writing, reading, drawing, there are several AI tools we can use to enhance our limitations thereby helping us to achieve our goals in smart way



Reactions to Innovations



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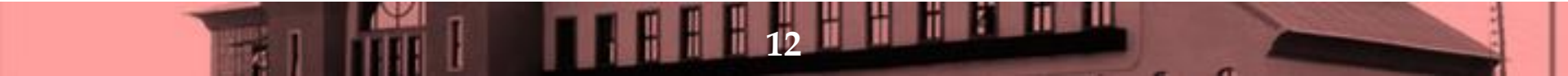
What is Artificial Intelligence

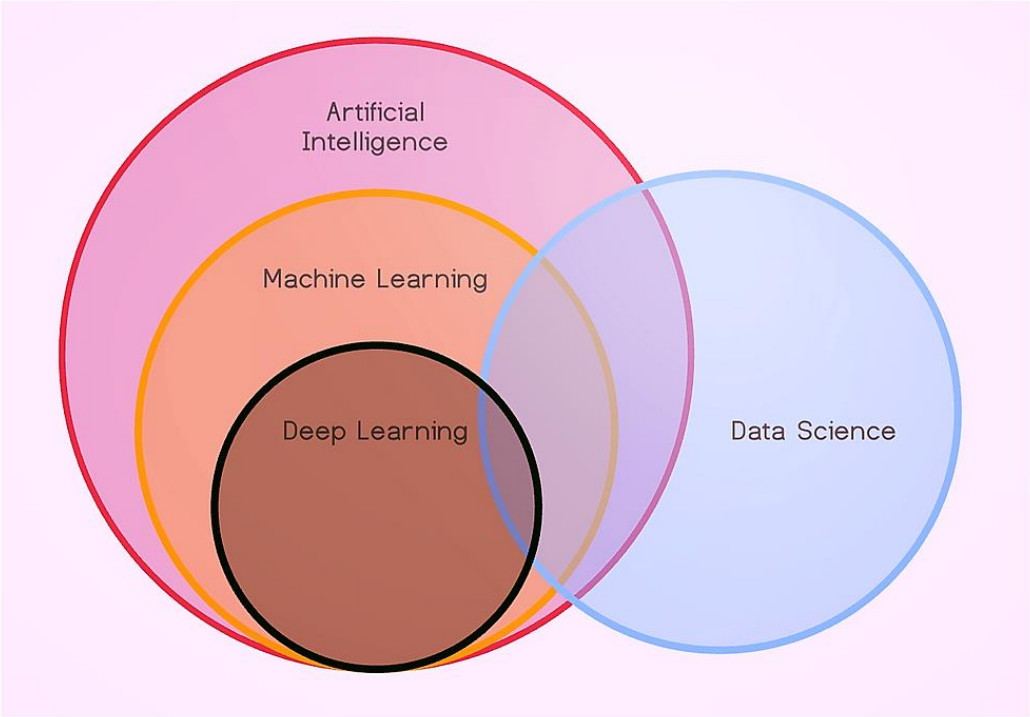
- Artificial Intelligence (AI) is a branch of computer science that aims to create systems capable of performing tasks that normally require human intelligence.
- These tasks include learning, reasoning, problem-solving, perception, language understanding, and decision-making.



What is Artificial Intelligence

- AI systems are developed using various tools and techniques, including algorithms, data processing, and computational models, to simulate aspects of human cognition.
- The goal of AI research and development is to create systems that can perform complex tasks, improve efficiency, and augment human capabilities across various domains.

Fields under AI



AI Tools

- **AI tools** are software applications that use **AI techniques** to perform tasks that require human intelligence.
- They leverage large amount of data to simulate human decision-making processes.
- AI tools for video and audio editing, content and copywriting, generating art and images, and coding.

https://chatgpt.com/auth/login?sso

ChatGPT

Draft an email

requesting a deadline extension for my project

https://youtu.be/FHgCqt179hw

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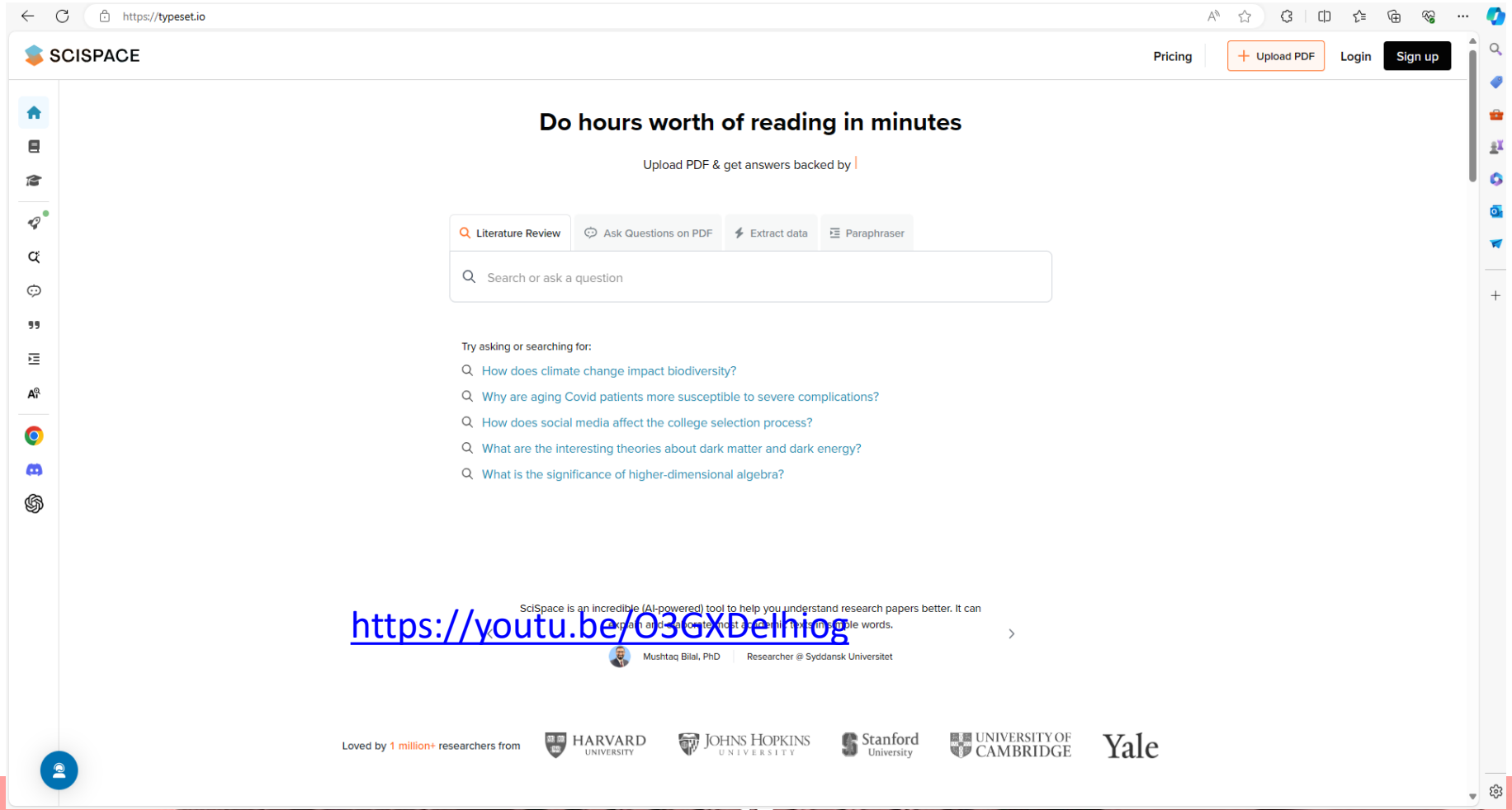


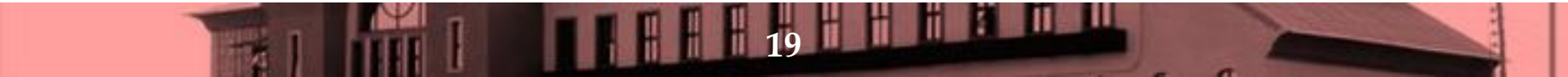
https://youtu.be/O3GXDeIhiog

AI Tools for Conducting Literature Review

1. Connected Papers – https://www.connectedpapers.com/
2. Research rabbit – https://www.researchrabbit.ai/
3. Litmaps – https://www.litmaps.com
4. Inciteful – https://inciteful.xyz/

AI Tools for Extracting Information from Articles

5. Elicit – https://elicit.org
6. SciSpace Copilot – https://typeset.io/
7. Chat PDF – https://www.chatpdf.com
8. Explain Paper – https://www.explainpaper.com
9. Humata – https://www.humata.ai/
10. Sharly.ai – https://www.sharly.ai/



AI Tools for Writing Research Articles

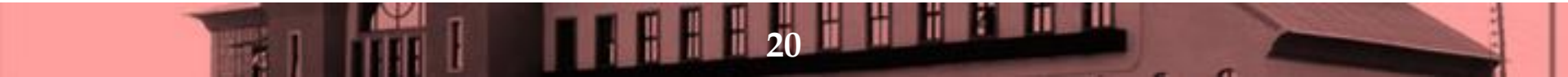
11. Consensus – https://consensus.app/

12. Jenny AI- https://jenni.ai/

13. Wisio – https://www.wisio.app

14. Writeful- https://x.writefull.com/

15. Quilbot - https://quillbot.com/



AI Tools for Data Analysis and Chart Creation

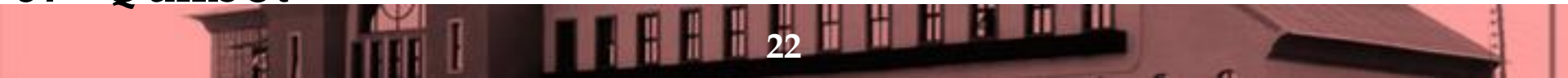
16. DataSquirrel – https://app.datasquirrel.ai/sign-in

17. Chartpixel - https://www.chartpixel.com/

18. Vizly – https://vizly.fyi/

AI Tools

1. Connected Papers
2. Scispace
3. ChatPDF
4. Datasquirrel
5. Vizly
6. PopAI
7. Slidesgo
8. ChatGPT
9. Quilbot



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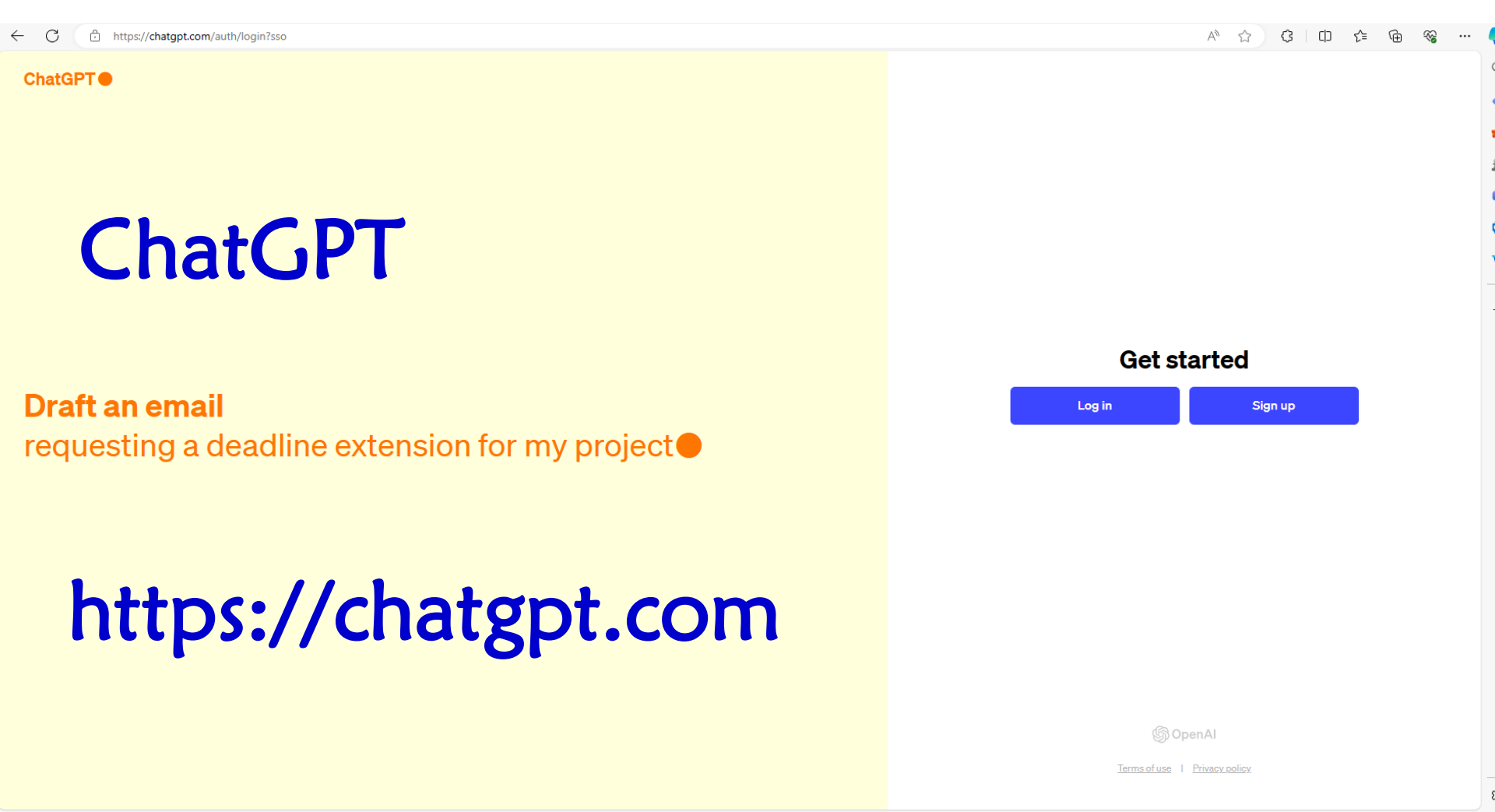
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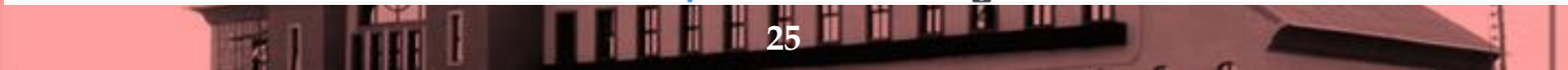

ChatPDF

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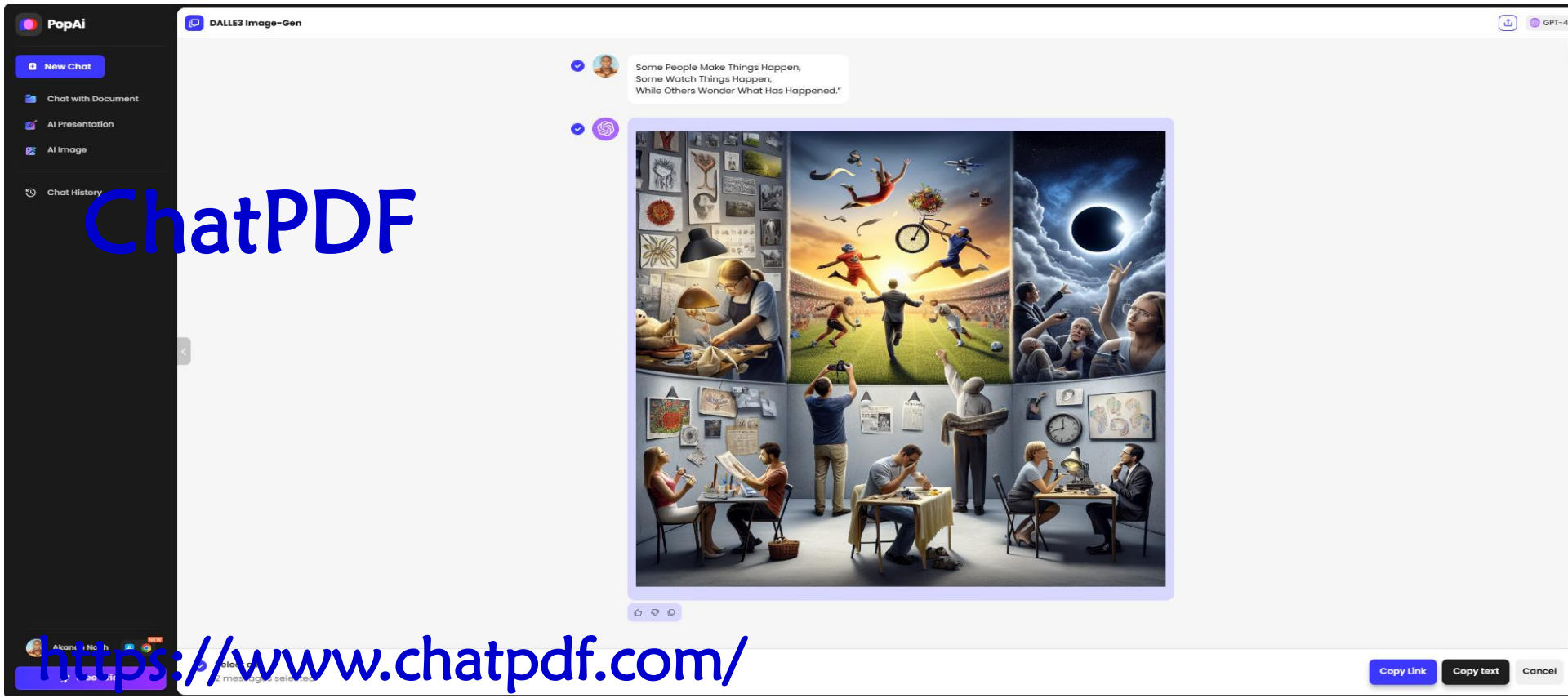

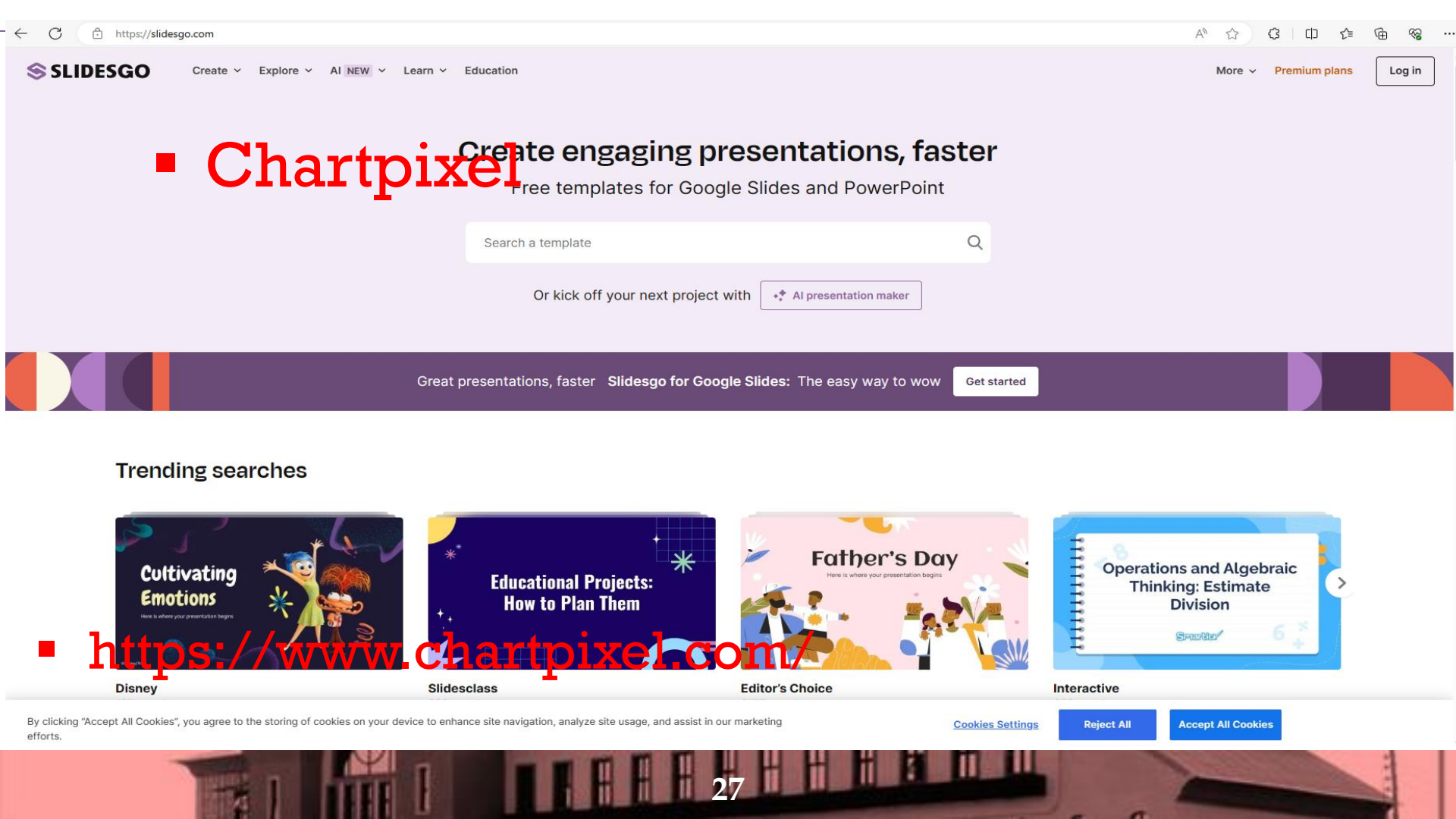

- Chartpixel
- https://www.chartpixel.com/

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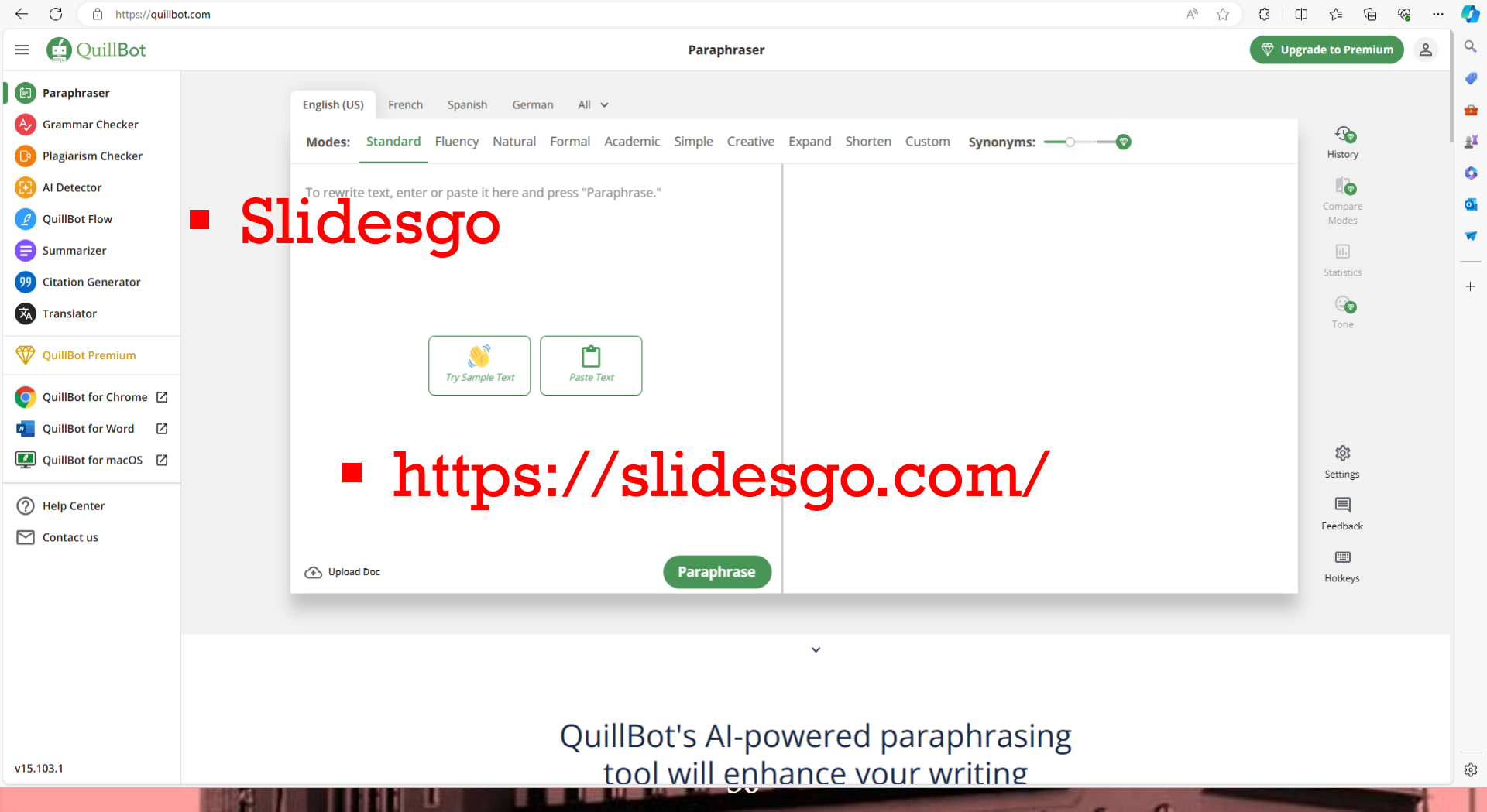
- PopAI

TOP 15 AI TOOLS FOR TEACHING AND RESEARCH

- https://www.popai.pro/



- Slidesgo
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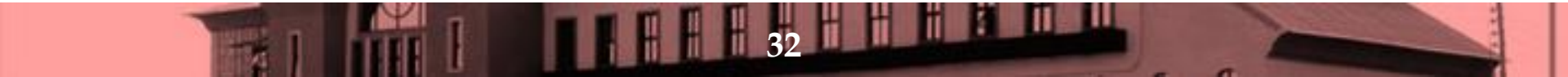
Ethical Concerns in the Use of AI Tools

- **Plagiarism:** AI-generated content may inadvertently plagiarize existing work if not properly referenced or if the model has been trained on copyrighted material. This undermines integrity and can lead to legal consequences.
- **Quality Control:** AI-generated content may not always meet the standards of quality expected by some organizations. It might lack critical analysis, coherence, or accuracy, potentially leading to misinformation or poor scholarship.
- **Education and Learning:** Relying on AI-generated content may undermine the process of critical thinking, research, and learning that are integral to academia. It may also devalue the skills and expertise of human scholars.