



لقاء بتنظيم من الجمعية العلمية السعودية بجامعة مانشستر

AI Tools for Academic Success

أدوات الذكاء الاصطناعي لتحقيق النجاح الأكاديمي

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كلية علوم الحاسب والمعلومات

جامعة الملك سعود



Outlines

الخطوط العريضة

- مقدمة
- دور الذكاء الاصطناعي في المجال الأكاديمي
- أدوات الذكاء الاصطناعي للتعلم الأكاديمي
- أدوات الذكاء الاصطناعي للبحث الأكاديمي
- التحديات و أخلاقيات الاستخدام وأفضل الممارسات
- الملخص والخاتمة
- Introduction
- The role of AI in academia
- AI tools for academic learning
- AI tools for academic research
- Challenges, ethics and best practices
- Summary and conclusion

Introduction to AI

مقدمة إلى الذكاء الاصطناعي

What is AI ?

ما هو الذكاء الاصطناعي؟

Artificial intelligence (AI) refers to the capacity of computational systems to execute tasks that emulate cognitive functions typically associated with human intelligence, such as perception, reasoning, learning, and decision-making.



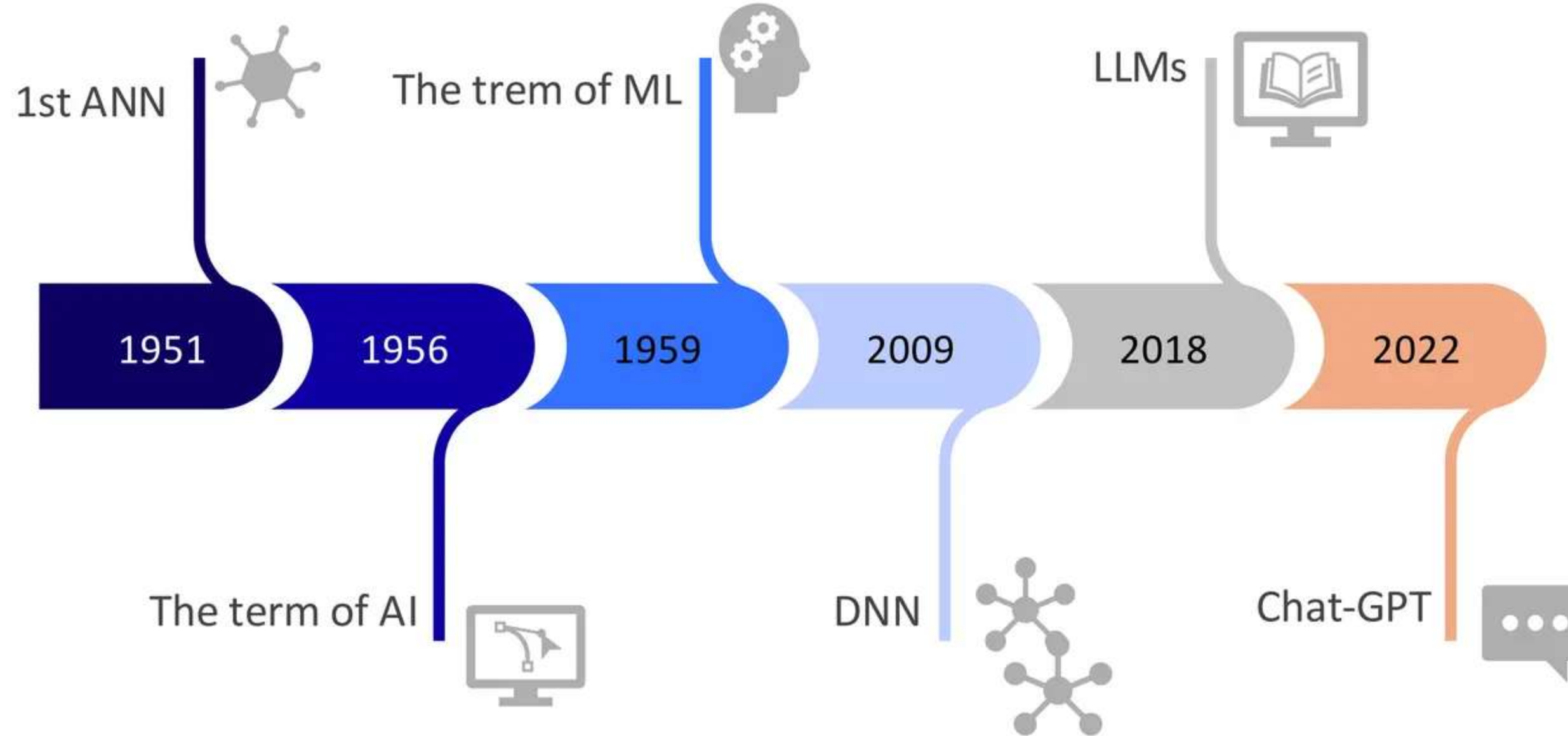
يشير الذكاء الاصطناعي إلى قدرة الأنظمة الحاسوبية على تنفيذ المهام التي تحاكي الوظائف المعرفية المرتبطة عادةً بالذكاء البشري، مثل الإدراك والاستدلال واتخاذ القرار.

Introduction to AI

مقدمة إلى الذكاء الاصطناعي

History of AI

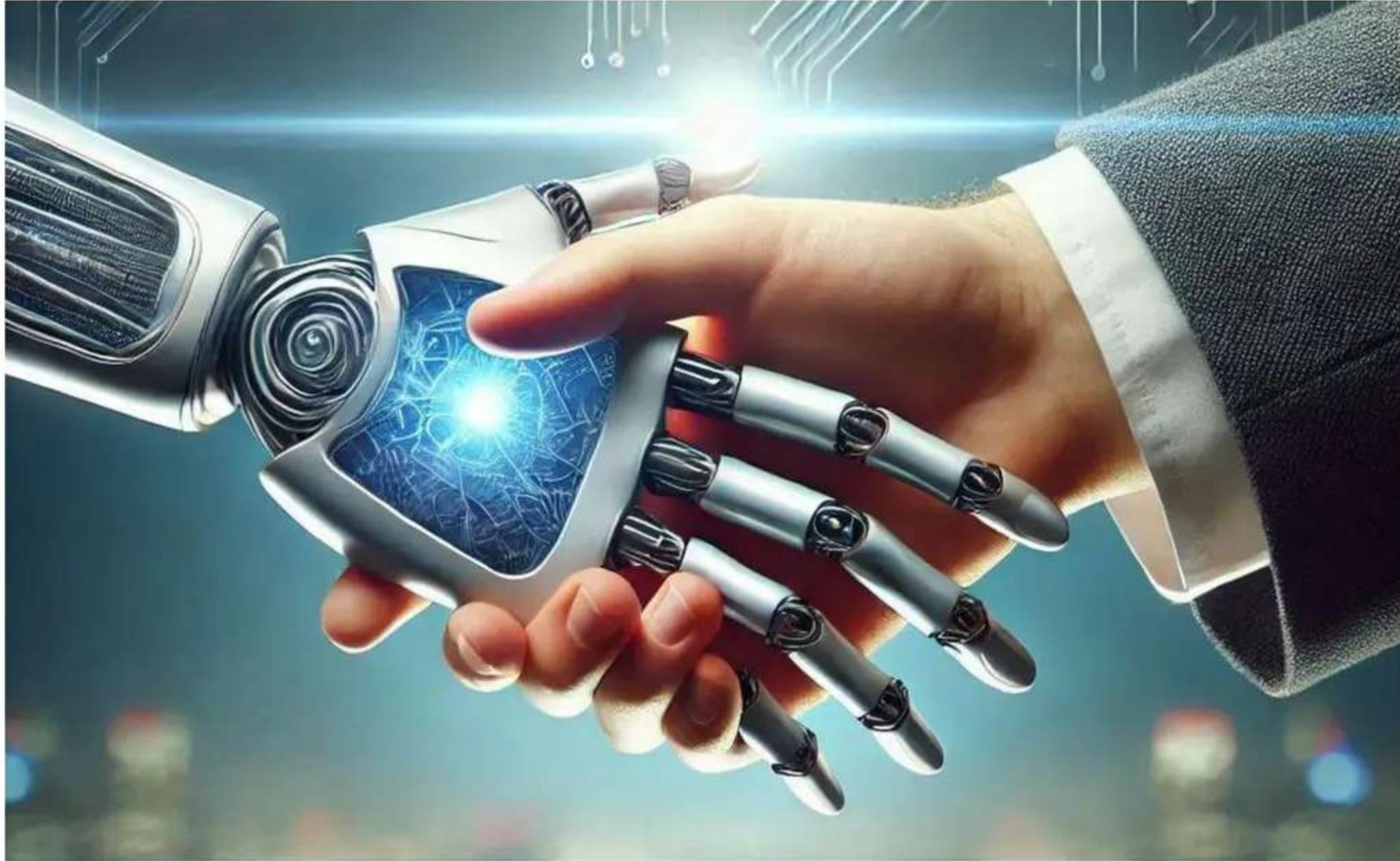
تاريخ الذكاء الاصطناعي





The role of AI in Academia

دور الذكاء الاصطناعي في المجال الأكاديمي



Enhances human capabilities in teaching, learning, research and management processes.

يعزز القدرات البشرية في
عمليات التدريس والتعلم
والبحث والإدارة.

The role of AI in Academia

دور الذكاء الاصطناعي في المجال الأكاديمي



Generates
knowledge

يولد المعرفة

Understands
and analyzes

يفهم ويحلل

Accelerates
performance

يسرع الأداء

Improves
efficiency

يحسن الكفاءة

Opens
horizons

يفتح الآفاق

slido

Please download and install the
Slido app on all computers you use

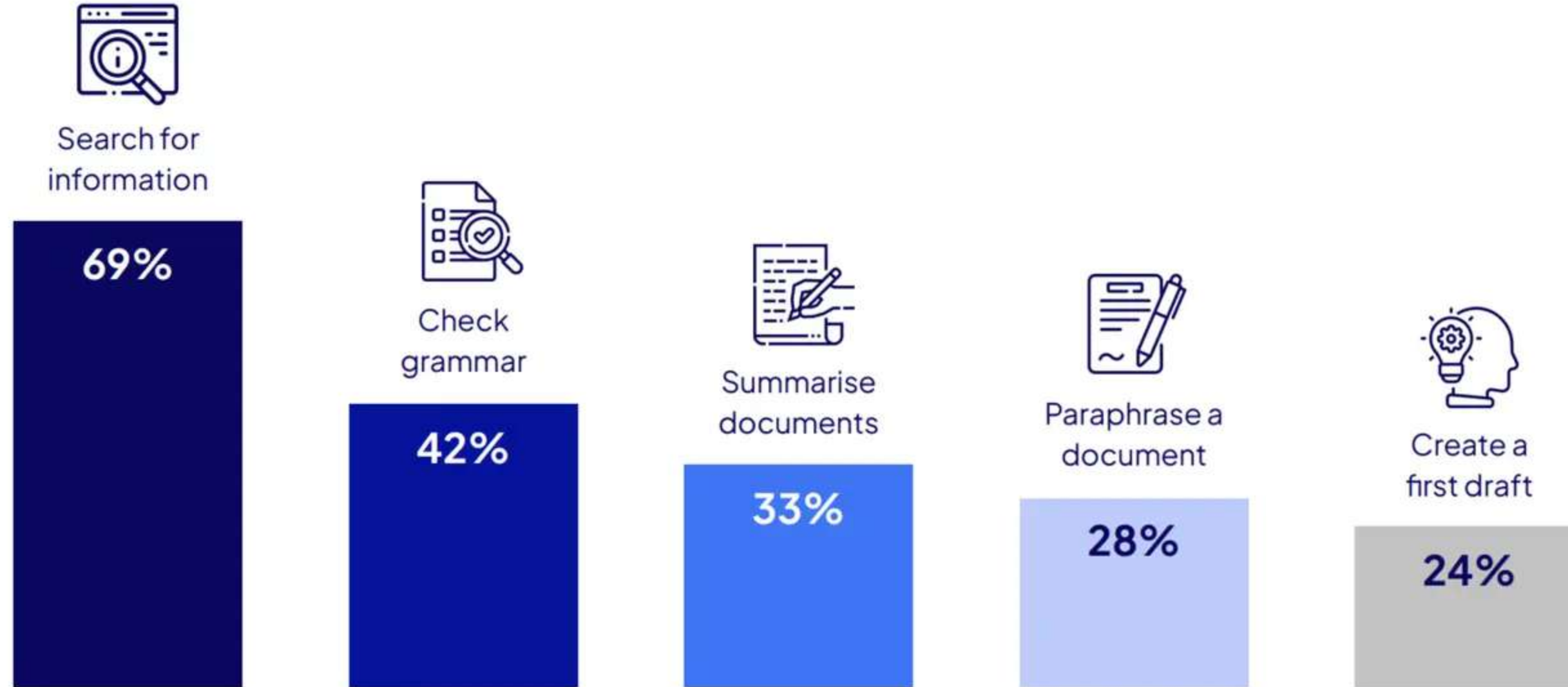


**Have you ever used AI tools in
academia?** هل سبق أن استخدمت أي من
أدوات الذكاء الاصطناعي في المجال الأكاديمي؟

① Start presenting to display the poll results on this slide.

The role of AI in Academia

دور الذكاء الاصطناعي في المجال الأكاديمي



What do students
usually use AI
tools for ?

فيما يستخدم الطلاب
عادة أدوات الذكاء
الاصطناعي؟

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



Learning and
Concept Mastery

التعلم وإتقان
المفاهيم



Revision and
training Tools

المراجعة
والتدريب



Planning and
managing

التخطيط والإدارة



Accessibility and
Inclusion

إمكانية الوصول
والاندماج

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



AI Tutor

Personalized learning

تعلم متخصص





<https://ai-tutor.ai/>



AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي

Tutor AI

-  Current Course
-  Create New Course
-  Library
-  Profile



Create New Course

Neural Networks

 Create Course

Suggested Topics:

Productivity Mastery

Creative Writing

Public Speaking

Financial Literacy


Startup Fundamentals

Growth Hacking

Sustainable Living

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي

 TutorAI

Introduction to Neural Networks Generic

This course provides a comprehensive introduction to neural networks, covering the fundamental concepts, architectures, and applications. Students will learn about the different types of neural networks, their training methods, and practical implementation techniques. By the end of the course, learners will understand how to build and deploy neural networks for various tasks such as image recognition, natural language processing, and more.

1. Foundations Of Neural Networks

Explore the basic concepts and history of neural networks. Understand the biological inspiration behind neural networks, the fundamental building blocks such as neurons and layers, and the significance of activation functions.

🕒 1h 30m 📖 5 Lessons

[Start Module](#)

2. Types Of Neural Networks

Learn about the different types of neural networks, including feedforward neural networks, convolutional neural networks (CNNs), recurrent neural networks (RNNs), and their unique characteristics and applications.

🕒 1h 30m 📖 5 Lessons

[Start Module](#)

3. Training Neural Networks

Delve into the process of training neural networks, including techniques such as backpropagation, gradient descent, and various optimization algorithms. Understand the importance of loss functions and regularization methods.

🕒 1h 30m 📖 5 Lessons

[Start Module](#)

4. Deep Learning Architectures

Explore advanced architectures of neural networks, including generative adversarial networks (GANs). Learn how deep learning has revolutionized computer vision and natural language processing.

🕒 1h 30m

[Start Module](#)

5. Practical Applications

6. Applications Of Neural Networks

7. Ethics And Future

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي

Tutor AI

- Current Course
- Create New Course
- Library
- Profile

Module 1: Foundations of Neural Networks

1.1 Introduction to Neural Networks

Content Simplify Quiz

1.1.1 Introduction

Neural networks are a cornerstone of modern artificial intelligence playing a pivotal role in various applications from image recognition to natural language processing. This lesson will provide an overview of neural networks including their definition importance and role in AI. We will also explore the historical context and evolution of neural networks setting the stage for a deeper understanding of their mechanisms and applications.

By the end of this lesson you will have a foundational understanding of what neural networks are why they are important and how they have developed over time. This knowledge will be crucial as we delve into more complex aspects of neural networks in subsequent lessons.

1.1.2 Definition and Importance of Neural Networks

1.1.3 Historical Context and Evolution

1.1.4 Role in Modern Artificial Intelligence

1.1.5 Conclusion

< Previous Lesson Mark as Complete Next Lesson >

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



Study Assistant
مساعد دراسي

<https://chatgpt.com/>

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



What can I help with?

Message ChatGPT



Create image



Analyze data



Surprise me



Summarize text



Code

More

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



I need a summary of this page's content.



Content Summarization

تلخيص المحتوى

Here's a summary of the content on the page based on the visible text:

Health Effects of Hot Weather: From Awareness of Risk Factors to Effective Health Protection

This review discusses the growing concern about climate change and heatwaves and their significant health effects. It emphasizes that with the increasing frequency of extreme heat events, public health measures must shift from awareness of risk factors to effective protection strategies. Key points include:

1. Introduction
 - The health effects of extreme heat are intensifying due to climate change and urbanization.
 - Vulnerable populations, particularly in low-income regions, are disproportionately affected.
 - Understanding the health impacts and risk factors of hot weather is critical for improving protection measures.
2. Search Strategy and Inclusion Criteria
 - Studies were reviewed to identify the health impacts of hot weather and explore protection strategies.
 - The focus was on evidence related to physiological, epidemiological, and public health data regarding heat-related risks and mitigation efforts.
3. Overview of Heat-Related Health Effects
 - **Physiological Impacts:** Exposure to extreme heat can disrupt the body's thermoregulatory mechanisms, causing heat stress and heat-related illnesses like heat stroke.
 - Vulnerable groups, such as the elderly, children, and individuals with pre-existing health conditions, are at higher risk.



AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



Simplifying Complex Topics

تبسيط المواضيع المعقدة

Original Complex Topic: Quantum Entanglement

Quantum entanglement is a physical phenomenon that occurs when pairs or groups of particles are generated, interact, or share spatial proximity in ways such that the quantum state of each particle cannot be described independently of the state of the others.

Simplified Version:

Imagine you have two identical magic coins. If you flip one coin in New York and it lands on heads, the other coin, no matter where it is in the universe, will instantly show tails. These coins are "entangled," meaning their outcomes are connected, even if they're far apart. Scientists don't fully understand how this instant connection works, but it's like they're sharing a secret handshake across any distance.

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



Practice Questions and Quizzes

أسئلة تدريب واختبارات قصيرة

Quiz: Neural Networks Basics

Multiple Choice Questions (MCQs)

1. What is a neural network?
 - a) A type of hardware used for computation
 - b) A network of neurons in the human brain
 - c) A computational model inspired by biological neural networks
 - d) A database management system

(Correct Answer: c)

2. What is the primary unit of a neural network?
 - a) Node
 - b) Layer
 - c) Neuron
 - d) Synapse

(Correct Answer: c)

3. Which of the following is NOT a type of layer in a neural network?
 - a) Input layer
 - b) Hidden layer
 - c) Output layer
 - d) Decoder layer

(Correct Answer: d)

4. What is backpropagation in neural networks?
 - a) A method to initialize weights in the network
 - b) A process of training a network by adjusting weights based on error

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



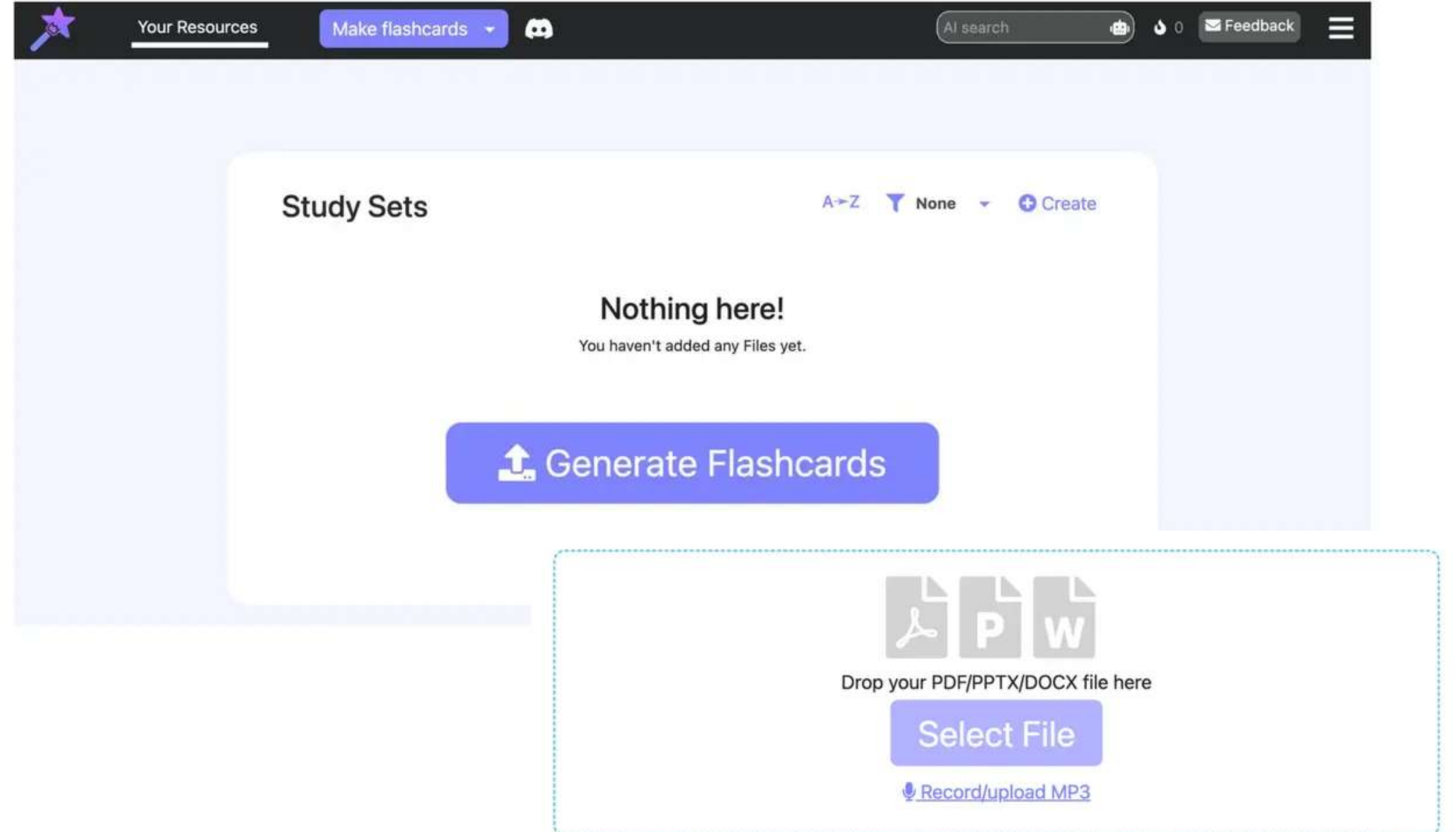
Revision Assistant
مساعد المراجعة

<https://www.revision.ai/>



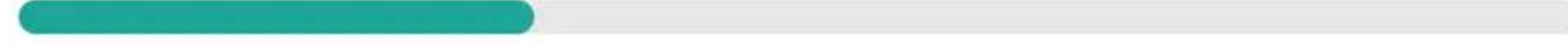
AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



32% processing your file...



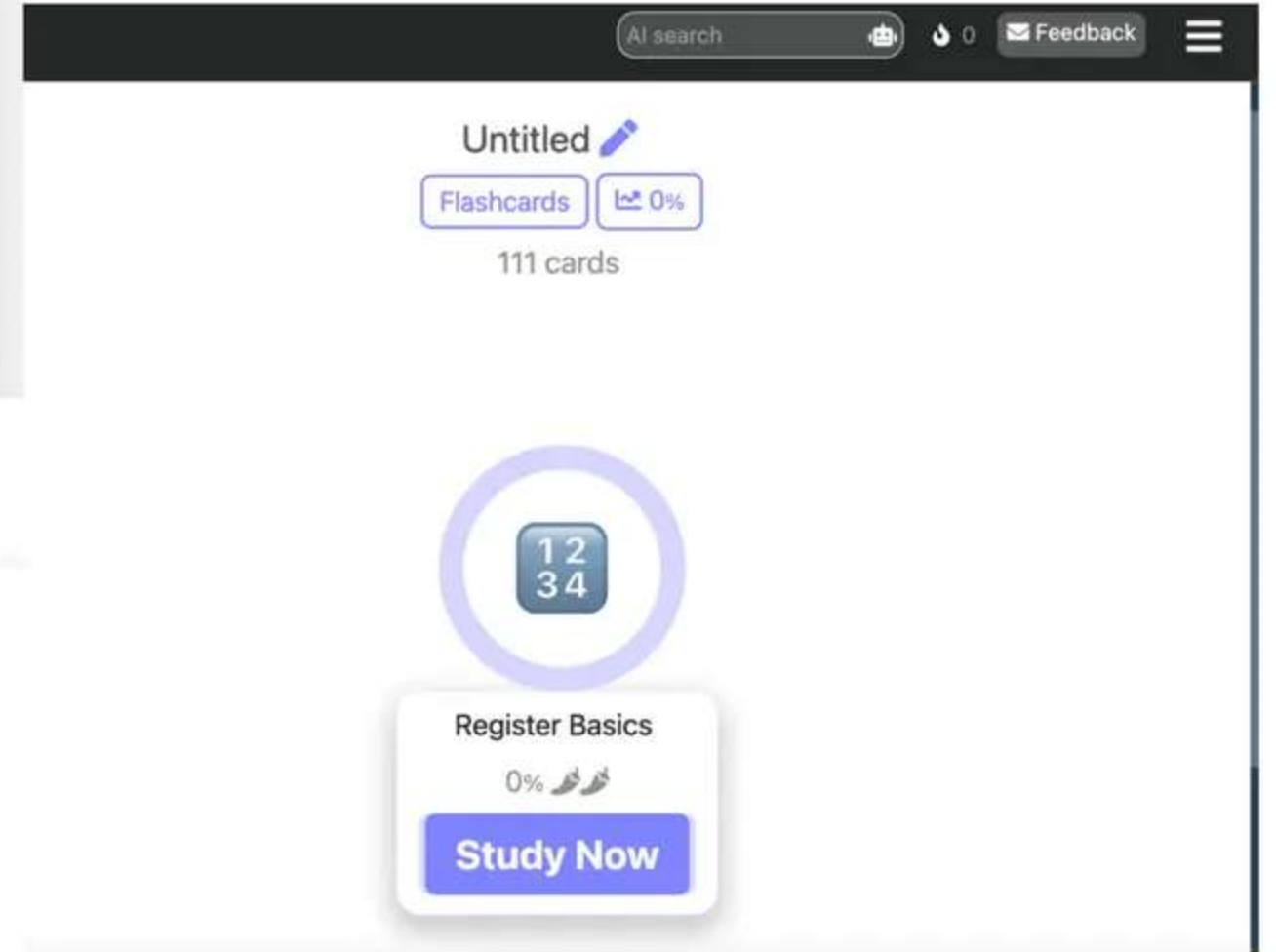
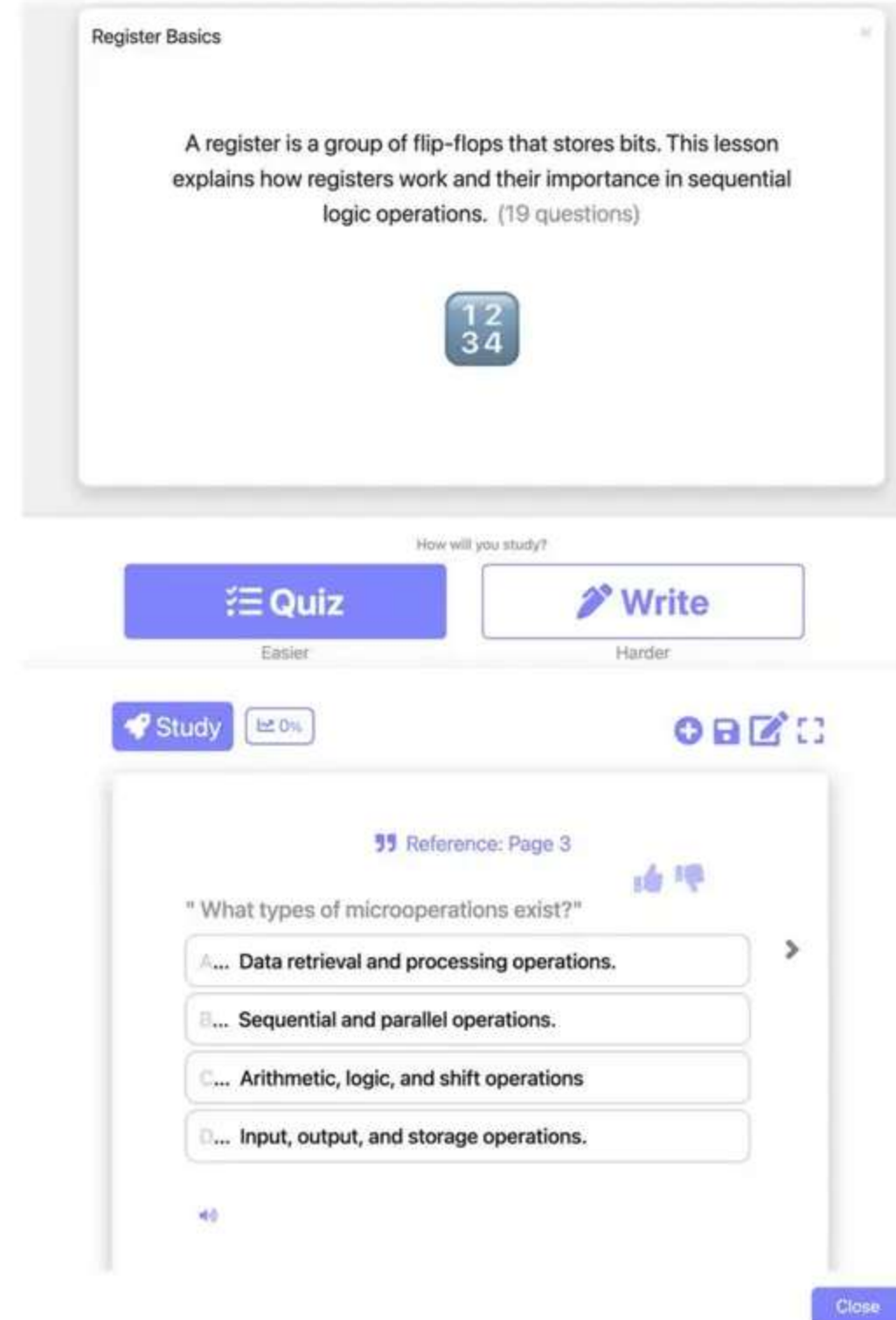
Help us improve Revision.ai

Please would you [answer a few questions about effective learning methods](#),
while the AI makes this quiz for you?



AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي

Doctrina AI

Educational tools
أدوات تعليمية

<https://www.doctrina.ai/>

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



✓ Quiz

Create engaging quizzes that explore everything from classical literature to cutting-edge technology.

Enter Quiz →

✍ Essay

Compose essays that journey through cultural narratives and scientific discoveries, bringing your unique perspectives to life.

Enter Essay →

🎓 Exam

Create detailed exams, evaluating your knowledge from complex concepts to pivotal moments in history with clarity and focus.

Go Premium →

✍ Notes

Enhance your class notes with deeper insights, transforming basic scribbles into comprehensive guides.

Go Premium →

📄 Summary

Summarize lengthy texts, capturing the essence from complex theories to historical narratives with ease.

Go Premium →

💬 Chat

Engage with our AI assistant for instant help and answers, whether studying calculus or contemplating existentialism.

Go Premium →

🗣 Talk

Converse with our AI using your voice, exploring topics from quantum physics to poetry recitation in an interactive and dynamic way.

Go Premium →



AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



Interactive Quiz Generator

Create quizzes on topics ranging from Indian mythology to global history, testing knowledge on everything from the Vedas to the adventures of Joan of Arc.

Options

✓ General Topic

Specific Book

Upload File

Language

Difficulty

Easy

Subject

History

Focus

American Civil War

Submit

Latest Quizzes

All Quizzes →

What type of outputs do simple transistor circuits in digital systems generate?

a. Analog

b. HIGH or LOW

c. Variable

d. Continuous

e. Random

The primary purpose of the memory in a digital computer is to:

a. Display information

b. Store programs and data

c. Process arithmetic

d. Manage power supply

e. Control user interface

In a digital computer, what does the datapath do?

a. Stores data

b. Retrieves instructions

c. Performs arithmetic and data-processing operations

d. Transfers information to and from memory

e. Acts as the primary output device

What component is formed when the datapath is combined with the control unit?

a. ALU

b. Memory

c. Central Processing Unit (CPU)

d. Input Device

e. Output Device

Which of the following devices is an example of an input device?

a. LCD

b. Printer

c. Keyboard

d. Scanner

e. CD-ROM

How do digital computers handle noise and variations in output?

a. By using analog circuits

b. By utilizing multivalued logic

c. By employing binary values

d. By ignoring them

e. By employing complex algorithms

What is the role of the control unit in a CPU?

a. To store data

b. To display computations

c. To retrieve and execute instructions

d. To perform calculations

e. To connect input and output devices

Which of the following can a digital computer perform?

a. Process only numeric data

b. Perform arithmetic computations and manipulate strings

c. Only make decisions based on user input

d. Retrieve data from analog devices

e. Store data without processing

Which device is used to display the results of computations in a digital computer?

a. Keyboard

b. Scanner

c. Hard Drive

d. LCD

e. USB Drive

What ensures that the same set of input values in a digital circuit produces the same outputs?

a. Use of analog signals

b. High voltage stability

c. Repeatability of binary values

d. Complexity of design

e. Variability in circuit design

Save

Listen

Create New Quiz

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



Interactive Essay Generator

Compose essays on diverse topics from environmental issues to classical philosophy, guiding your writing from climate change to Aristotle's ethics.

Options	General Topic ▼
Language	English ▼
Type	Descriptive ▼
Subject	AI in education
Focus	introduction

Generating...

AI in education

****AI in Education: Introduction****

In recent years, the integration of artificial intelligence (AI) into various sectors has revolutionized traditional practices, and education is no exception. The educational landscape is witnessing a transformative shift as AI technologies are increasingly utilized to enhance learning experiences, streamline administrative processes, and provide personalized educational pathways. This descriptive introduction aims to explore the multifaceted role AI plays within the realm of education, highlighting its potential to reshape classrooms, empower educators, and tailor learning experiences to meet diverse student needs.

At the heart of these advancements is the ability of AI systems to process vast amounts of data and generate insights that were previously unattainable. With the capacity to analyze student performance in real time, AI tools can identify learning gaps and strengths, enabling teachers to adapt their instructional methods accordingly. Moreover, AI can assist in creating personalized learning environments, where students progress at their own pace and engage with tailored resources that align with their individual learning styles. This shift towards customization marks a significant departure from the one-size-fits-all approach that has long characterized traditional education.

Additionally, the role of educators is evolving as AI takes on administrative and grading tasks, allowing teachers to focus more on the critical aspects of teaching, such as mentorship and fostering critical thinking skills. AI-powered platforms can facilitate efficient communication between students, teachers, and parents, creating a more collaborative educational environment. Furthermore, virtual tutoring systems and intelligent learning companions are emerging as reliable resources for students outside the classroom, offering support and guidance when traditional classroom interactions are not available.

As we delve deeper into the implications of AI in education, it becomes evident that this technology holds immense potential for enriching students' learning experiences and equipping them with the skills necessary for the future. However, alongside the benefits, there are also challenges and concerns regarding data privacy, the role of technology in human interaction, and the digital divide that must be addressed to ensure equitable access to these innovations. In this context, the discussion surrounding AI in education is not just about technological advancement; it encompasses a broader consideration of how we define, deliver, and perceive education in the 21st century.

In conclusion, AI in education presents a transformative opportunity to enhance learning, improve efficiency, and create more personalized educational experiences. As we navigate these changes, an awareness of the potential benefits and challenges will be crucial in shaping an educational future that is inclusive, innovative, and conducive to the diverse needs of all students.

Save

Listen

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



Real-time transcription and note-taking
تحويل فوري للصوت إلى نص وتدوين الملاحظات

<https://otter.ai/>

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



Transcribe audio and video

Drag & Drop

AAC, MP3, M4A, WAV, WMA
MOV, MPEG, MP4, WMV

or

Browse files

3 of 3 imports left

Upgrade to Business for unlimited imports

Ollo

شريعة الغامدي
sh.a.olgahmadi@gen...

Invite Teammates

Home

Otter AI Chat NEW

Search

Apps

CHANNELS

General

DIRECT MESSAGES

FOLDERS

Basic (Free)

2 of 300 monthly minutes used.
Minutes reset in 26 days

Get Otter Pro

Note

Note

Sun, Jan 12, 2025 : 7:00 PM 0:01 Owner: شريعة الغامدي

AI Chat

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



Workspace Organizer

منظم العمل

<https://www.notion.com/>

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي



Taking Notes

كتابة الملاحظات

Take notes on the main points in these lectures.

02-Assembly-Langua...

Assembly Language Basics - Lecture Notes (Updated) Save

Assembly Language Syntax

- One statement per line
- Statements can be either instructions or assembler directives
- Instructions translate to machine code
- Directives instruct assembler to perform specific tasks

Registers

- 4 general registers (16-bit): AX, BX, CX, DX
- 16-bit registers can be used as two 8-bit registers (high and low bytes)

Basic Instructions

- MOV - transfers data between registers/memory locations
 - Format: MOV destination, source
 - Cannot move directly between two memory locations
- ADD/SUB - addition and subtraction operations
 - Format: ADD/SUB destination, source
 - Can operate between registers, memory, and immediate values
- INC/DEC - increment/decrement by 1
 - Can modify register or memory location
- NEG - negates contents using two's complement
- Logical Operations
 - AND, OR, XOR, NOT

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



Content Generation

إنشاء المحتوى

إليك بعض الاقتراحات المنظمة لكتابة بحث عن التغير المناخي

- المقدمة:
 - تعريف التغير المناخي
 - أهمية دراسة هذه الظاهرة
 - طرح الإشكالية الرئيسية للبحث
- أسباب التغير المناخي:
 - الأسباب الطبيعية
 - الأسباب البشرية
 - انبعاثات الغازات الدفينة
- آثار التغير المناخي:
 - التأثيرات على البيئة والأنظمة البيئية
 - التأثيرات الاقتصادية
 - التأثيرات الاجتماعية والصحية
- الحلول والإجراءات المقترحة:
 - الحلول على المستوى الفردي
 - الحلول على المستوى الحكومي
 - الاتفاقيات والجهود الدولية
- التوصيات والخاتمة:
 - تلخيص النقاط الرئيسية
 - التوصيات المقترحة
 - النظرة المستقبلية

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



Organizing and planning
التنظيم والتخطيط

Find description

Class Notes

Click **New** at the top right to add a new note. Creation date is automatically added.
Click on each note and fill in the page with like text, images, links and videos.

Notes sorted by date Notes grouped by subject Table +

New

Aa Name	Created	Class	+ ...
CS104: Lecture 5	January 11, 2025	CSCI 104	
Intro to Cell Biology: Lecture 2	January 11, 2025	BIO 10	
UX Design: Lecture 6	January 11, 2025	DESIGN 101	
British Literature: Lecture 3	January 11, 2025	LIT 455	
Calculus: Lecture 3	January 11, 2025	MAT 201	

+ New page

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



Organizing and planning
التنظيم والتخطيط

Student Planner

This is your course tracker. Each course card below is also its own separate page, where you can add things like text, pictures, or files.

Gallery

Courses



Intro to Biology
BIOL 101



General Chemistry
CHEM 105

+ New page

Grouped by course Calendar Table +

New

Assignments

Intro to Biology 4

<input checked="" type="checkbox"/> Aa Assignment Name	<input type="checkbox"/> Deadline	
<input checked="" type="checkbox"/> Lab Report 1	February 10, 2024	
<input type="checkbox"/> Midterm Exam	March 15, 2024	
<input type="checkbox"/> Research Paper	April 20, 2024	
<input type="checkbox"/> Final Exam	May 25, 2024	

+ New page

General Chemistry I 4

<input checked="" type="checkbox"/> Aa Assignment Name	<input type="checkbox"/> Deadline	
<input type="checkbox"/> Problem Set 1	February 5, 2024	
<input type="checkbox"/> Midterm Exam	March 10, 2024	
<input type="checkbox"/> Lab Report 2	April 15, 2024	
<input type="checkbox"/> Final Exam	May 20, 2024	

+ New page

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



Study planning and time management
التخطيط الدراسي وإدارة الوقت

<https://mystudylife.com/>

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعلم الأكاديمي



Calendar

Activities

Focus Timer

+ Add new

Light  Dark

Data Import

Help Center

Settings

10:25 PM

Jan 11, 2025

Good Night.

You have 0 tasks due today.

+ Quick add task

Subject

Today

Tomorrow

Custom Date

Time

Jan 11, 2025

No items found

Upcoming exams >

No exams scheduled yet

Focus timer

25:00

Focus

Start

AI tools for Academic Learning

أدوات الذكاء الاصطناعي للتعليم الأكاديمي

AI tools for accessibility and inclusion
أدوات الذكاء الاصطناعي لإمكانية الوصول والاندماج



AI tools for Academic Research

أدوات الذكاء الاصطناعي للبحث الأكاديمي



Writing and
Content
Generation

الكتابة وإنشاء
المحتوى



Summarization
and
Paraphrasing

التلخيص وإعادة
الصياغة



Literature
Review and
Referencing

المسح الأدبي
والمراجع



Proof
reading and
Editing

التدقيق
اللغوي
والتحرير

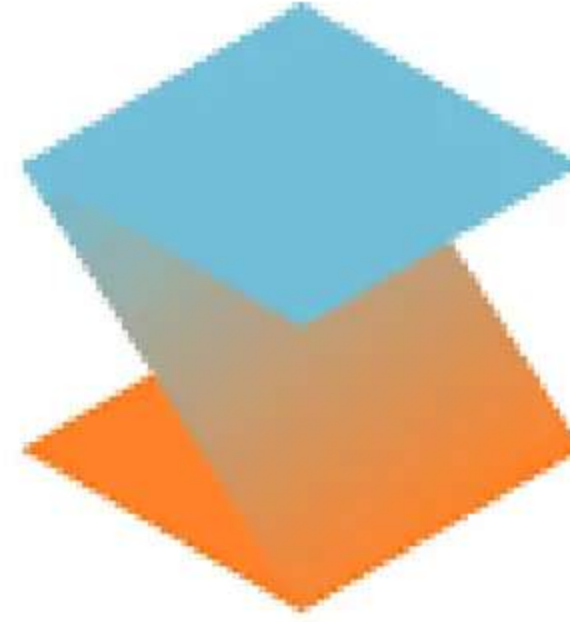


Graphics and
presentations

الرسوم
والعروض
التقديمية

AI tools for Academic Research

أدوات الذكاء الاصطناعي للبحث الأكاديمي



SCISPACE

Research Simplifier
مُبَسِّطُ البَحْث

<https://scispace.com/>

AI tools for Academic Research

أدوات الذكاء الاصطناعي للبحث الأكاديمي



SCISPACE

Speed up reading of research papers
تسريع قراءة الأوراق البحثية

Pricing

+ Chat with PDF

Login

Sign up

The Fastest Research Platform Ever

All-in-one AI tools for students and researchers.

AI tools for academia

Try asking or searching for:

- Q What are the current limitations of AI tools in academia and how can they be addressed?
- Q How can AI tools be integrated with existing academic workflows to enhance research productivity?
- Q What are the potential ethical implications of using AI tools in academic research and how can they be mitigated?

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The paper discusses generative AI (GenAI) tools' impact on academic integrity, highlighting the need for universities to redesign assessments. It emphasizes exploiting GenAI's limitations and creating engaging, authentic assessments to enhance learning while addressing challenges in implementation.

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The study highlights generative artificial intelligence tools' potential in higher education for personalizing learning, automating tasks, and supporting student outcomes. However, it emphasizes the need for pedagogical focus on critical thinking and comprehension skills alongside content generation.

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☐ 3. Artificial intelligence (AI) tools for academic research

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AI tools in academia enhance research efficiency, accuracy, and quality across various stages, including literature review, data analysis, writing, and proofreading. However, their adoption necessitates careful consideration of ethical and methodological implications, including authorship and accountability issues.



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TL;DR: This study examines Australia's Group of Eight universities' guidelines on assessment design in response to generative AI tools, highlighting concerns, opportunities, and challenges in maintaining academic integrity amidst evolving AI technologies.

Abstract: With the advent of generative AI (GenAI) technologies, academic integrity has become a pressing concern for higher education institutions. This study explored the publicly available guidelines from Australia's Group of Eight (Go8) universities regarding assessment design in response to GenAI tools. The findings indicate a common concern about the challenges GenAI tools pose to traditional assessments, with current AI detection tools deemed insufficient. However, GenAI also presents opportunities to reassess and redesign assessments to enhance academic integrity and learnin [read more](#)

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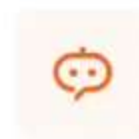
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Original Text: Artificial Intelligence (AI) tools are transforming academia, providing innovative solutions to enhance the learning experience. These tools offer a range of functionalities, from personalized learning plans and automated grading systems to advanced research aids and virtual teaching assistants. AI-driven platforms like Notion AI, QuillBot, and MyStudyLife are helping students and educators streamline their work, manage schedules, and improve their productivity. For instance, Notion AI can summarize lengthy documents, QuillBot can refine writing quality, and MyStudyLife helps organize academic tasks. These tools are designed to cater to individual learning needs, making education more accessible, efficient, and effective. With AI tools, students can focus more on critical thinking and creativity, while educators can dedicate more time to personalized teaching and mentoring.

Paraphrased Text: Artificial Intelligence (AI) tools are revolutionizing education by offering creative ways to improve the educational process. These tools include a variety of features, ranging from virtual teaching assistants and sophisticated research aids to automated grading systems and customized lesson plans. Platforms powered by AI, such as Notion AI, QuillBot, and MyStudyLife, are assisting instructors and students in managing their time, organizing their workload, and increasing productivity. For example, QuillBot can improve the quality of writing, Notion AI can summarize long texts, and MyStudyLife assists with academic assignment organization. These resources are made to meet the unique learning requirements of each student, increasing the effectiveness, efficiency, and accessibility of education. AI tools allow teachers to spend more time on individualized instruction and mentoring while students can concentrate more on creativity and critical thinking.

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Table of Contents

- A. General information about the course: 3
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- C. Course Content 4
- D. Students Assessment Activities 5
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Recent studies highlight the growing adoption of AI tools in education, particularly among higher education students. These tools support academic activities by providing personalized learning experiences (Noorfi Azizah [Rahim et al., 2023](#)) and can revolutionize teaching strategies through natural language processing and user-friendly interfaces (Dr. M. [Sunitha et al., 2023](#)). AI applications in education include grammar checking, intelligent tutoring systems, and automated assessment tools (Noorfi Azizah [Rahim et al., 2023](#); Naveed [Abbas et al., 2023](#)). While AI tools show promise in enhancing learning outcomes and engagement, there is a significant gap in understanding more complex AI applications among students (Nebojša [Stanković et al., 2024](#)). The integration of AI in education presents both opportunities and challenges, necessitating effective implementation strategies, teacher training, and ethical considerations (Naveed [Abbas et al., 2023](#)). Overall, AI tools have the potential to optimize educational experiences and outcomes for students across various educational levels (Nebojša [Stanković et al., 2024](#); Naveed [Abbas et al., 2023](#)).

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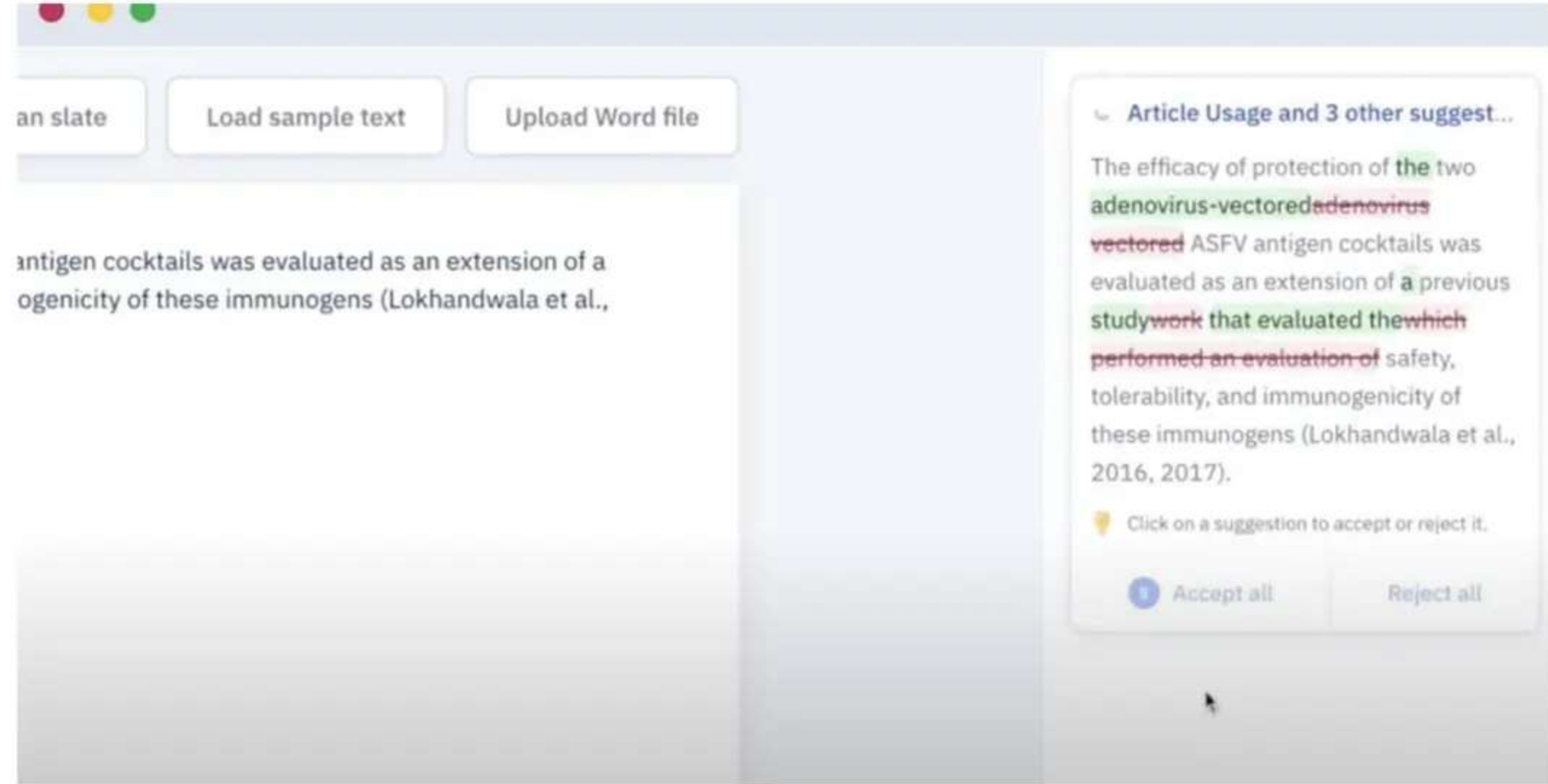
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Tense Usage

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Punctuation and 1 other suggestion

The virus is endemic to subSaharan Afric...

Rephrase and 2 other suggestions

On August 2018, there was an outbreak ...

Rephrase

Since no vaccine or treatment is still exist...

Article Usage and 3 other suggestions

Previously we evaluated immunogenicity ...

Rephrase

Adenovirus-vectored African Swine Fever Virus antigen cocktails are immunogenic but not protective against intranasal challenge with Georgia 2007/1 isolate

John Paperpal, Jane Cactus*

*Corresponding Author: jane@paperpal.com

Abstract

ASFV causes a hemorrhagic disease in swine and wild boars with fatality rate close to 100%. Less virulent strains causes subchronic or chronic forms of the disease. The virus is endemic to subSaharan Africa and an outbreak in Georgia in 2007 spread to Armenia, Russia, Ukraine, Belarus, Poland, Lithuania and Latvia. On August 2018, there was an outbreak occurring in China, and in April 2019, ASFV was reported in Vietnam and Cambodia. Since no vaccine or treatment is still existing so far, a vaccine is needed in order to safeguard the swine industry. Previously we evaluated immunogenicity of two adenovirus vectored cocktails containing ASFV antigens and demonstrated induction of unprecedented robust antibody and T cell responses, including cytotoxic T lymphocytes. In the present study, we conducted an evaluation of protective efficacy of both cocktails by intranasal challenge of pigs with ASFV-Georgia 2007/1. BioMize アジュバントで処方された9抗原カクテル (I) は、強力な IgG 応答を誘発しましたが、チャレンジした場合、ワクチンは対照よりも深刻な反応を示しました。全体として、統計的に有意な保護を付与した免疫原は1つありませんでした。

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Exploring students' perspectives on generative AI-assisted academic writing
J Kim, S Yu, R Detrick, N Li - Education and Information Technologies, 2024 - Springer
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Quality and Effectiveness of AI Tools for Students and Researchers for Scientific Literature Review and Analysis

Martin Danler W. Hackl S. Neururer Bernhard Pfeifer Computer Science, Education dHealth

26 April 2024

TLDR This study scrutinizes free AI tools tailored for supporting literature review and analysis in academic research, emphasizing their response to direct inquiries and reveals a spectrum of response qualities, with some tools integrating non-academic sources and others depending on outdated information. [Expand](#)

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Study on the Impact of Utilizing ChatGPT and Other AI Tools for Feedback in EAP Writing Classrooms on the Discursive Writing Performance of English Major Students

Yaqi Wu Education, Computer Science Transactions on Social Science, Education and... 12 March 2024

TLDR This study will comprehensively explore the actual effects and potential value of AI tools in discourse writing instruction for English major students through a combination of literature review and empirical research methods, providing new insights and guidance for teaching practice and future research endeavors. [Expand](#)

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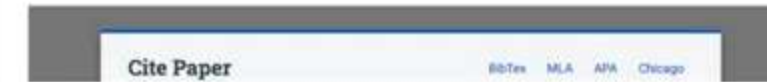
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The integration of Artificial Intelligence (AI) tools in academic settings has gained significant traction in recent years, driven by the need for enhanced learning experiences and operational efficiencies. AI technologies are increasingly recognized for their potential to transform educational practices, facilitating personalized learning and improving administrative processes. This synthesis explores the multifaceted applications of AI in education, the challenges it presents, and its implications for academic integrity.

AI's strategic value in education is underscored by its ability to provide personalized learning experiences tailored to individual student needs. Zhai et al. highlight that AI can alleviate burdens on both educators and learners, thereby enhancing the overall educational experience (Zhai et al., 2021). This personalization is further emphasized by

"...AI has been increasingly propagated as having strategic value for education [7]. Loeckx [8] suggested that AI could be an effective learning tool that lessens the burdens of both teachers and students and offers effective learning experiences for students. Coupled with current education reforms such as the digitalization of educational

A Review of Artificial Intelligence (AI) in Education from 2010 to 2020
Zhai¹, Chu², Chai³ et al. 2021 *Complexity*

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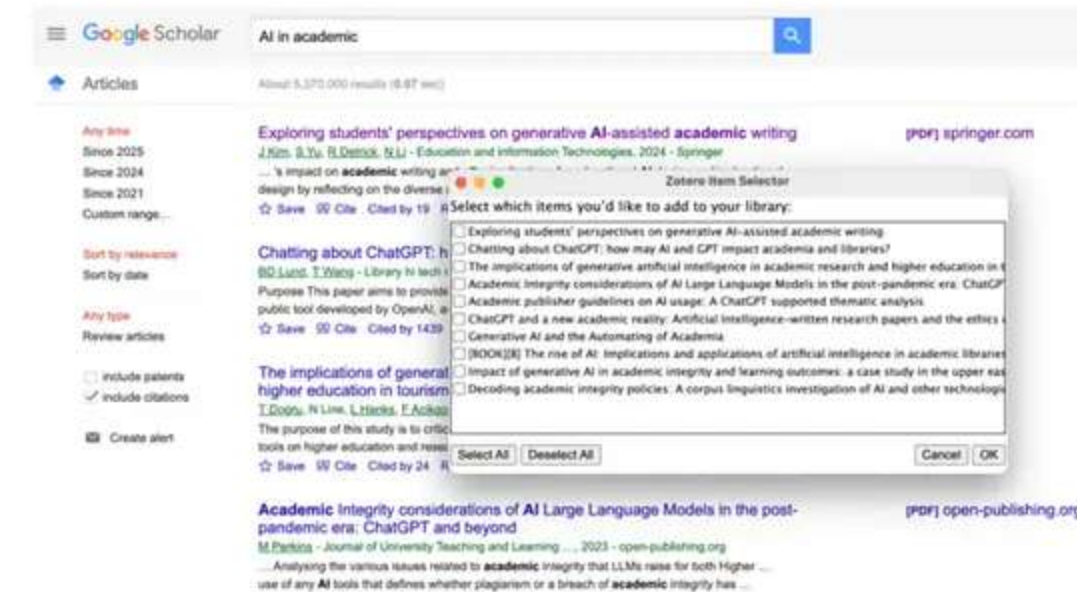
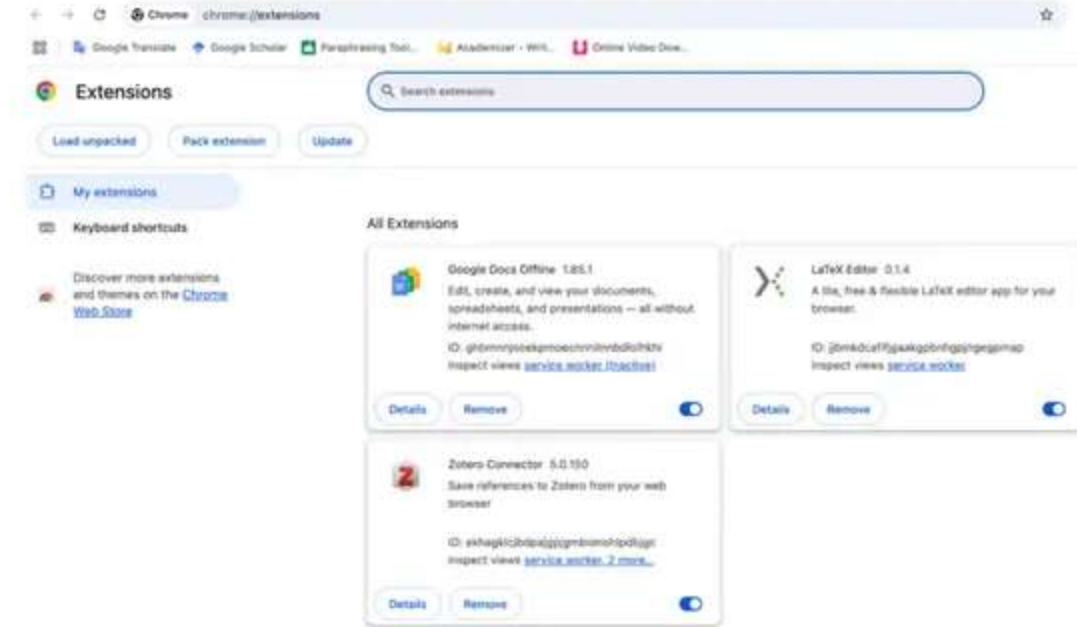
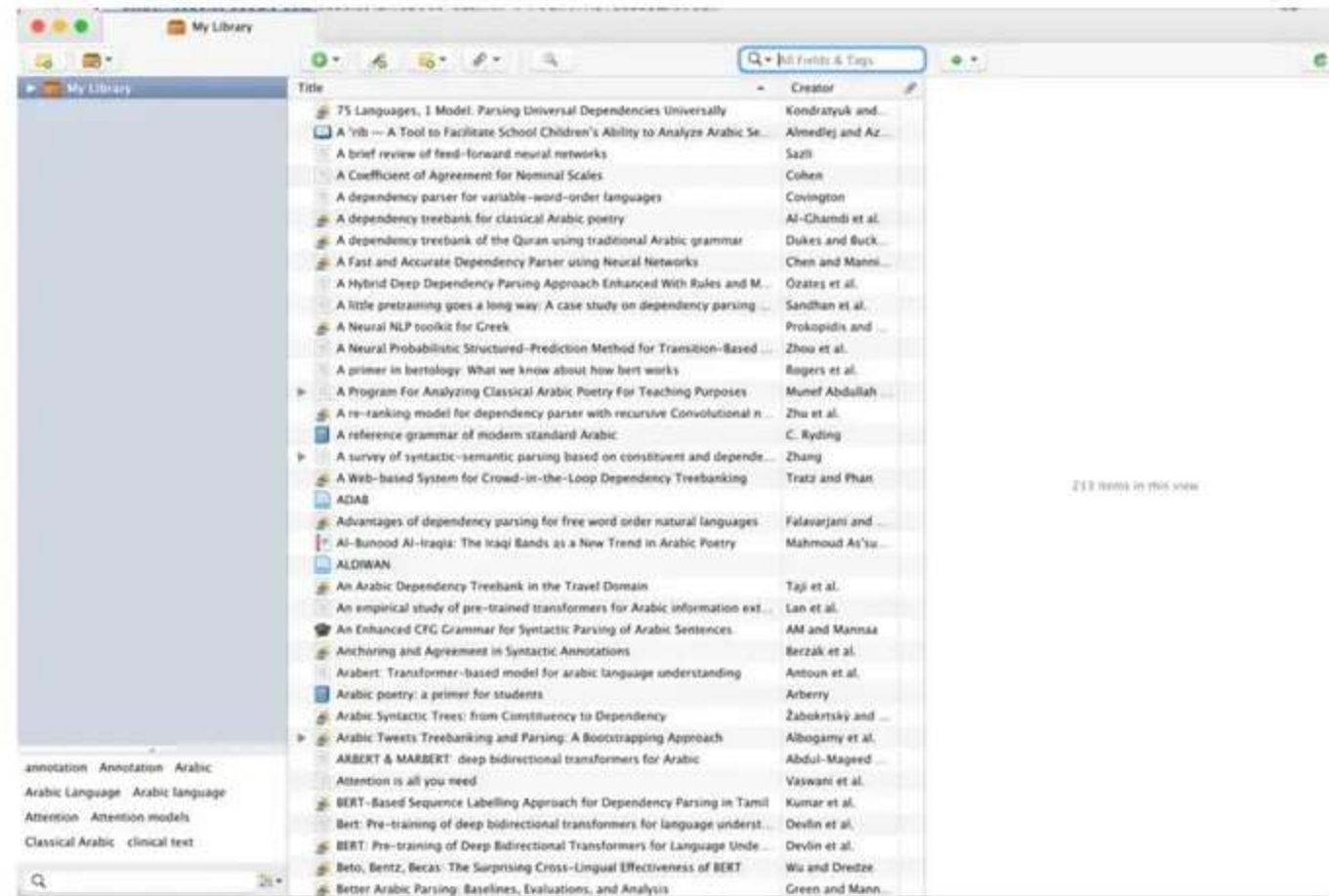
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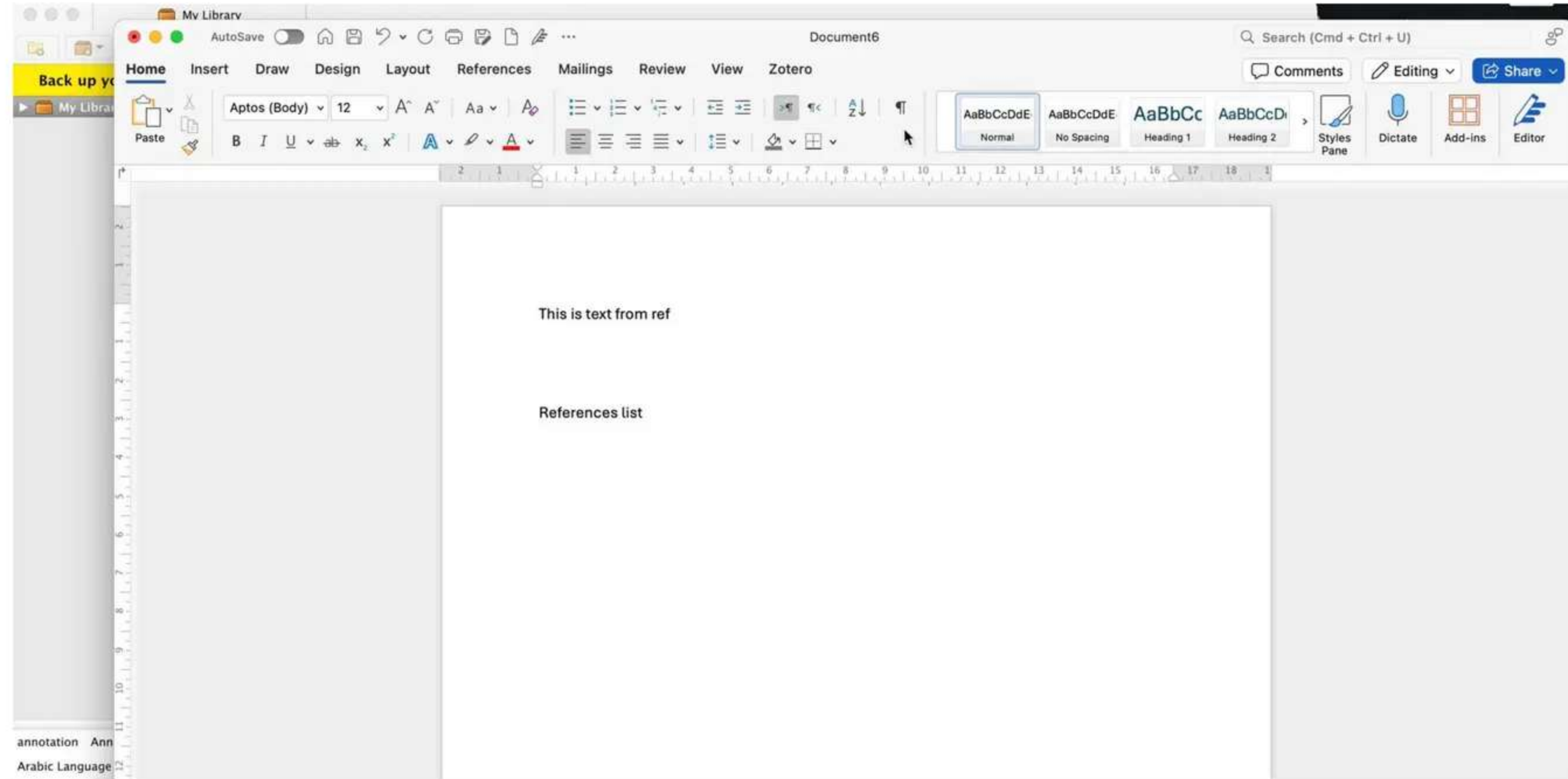
zotero



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Data Visualization
تصوير البيانات

<https://www.napkin.ai/>

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ary + New Napkin Undo

AI tools in academia

AI tools in academia span a wide range of functionalities, each catering to different aspects of the academic workflow. Here are some key types of AI tools commonly used in the academic field:

- Writing and Editing:** Tools like QuillBot, Grammarly, and PaperPal help improve writing quality, check grammar, and ensure originality.
- Research and Literature Review:** Platforms like Semantic Scholar, Consensus, and Scite.ai assist in finding relevant literature, generating citations, and summarizing research articles.
- Study and Organization:** Apps like MyStudyLife and Notion AI help students organize their schedules, take notes, and manage tasks efficiently.
- Data Analysis:** Software like ATLAS.ti and NVivo provide qualitative data analysis capabilities, while tools like SPSS and R offer advanced quantitative data analysis.
- Plagiarism Detection:** Tools such as Turnitin and Unicheck ensure the originality of academic work by detecting potential plagiarism.
- Content Generation:** AI platforms like OpenAI's ChatGPT and GPT-4 assist in generating academic content, brainstorming ideas, and drafting essays.
- Translation and Language:** Services like DeepL and Google Translate facilitate accurate translations and language learning.
- Collaborative Platforms:** Tools like Microsoft Teams and Slack enable real-time collaboration and communication among students and educators.
- Virtual Assistants:** AI-powered virtual teaching assistants, such as Aria in Zotero, help with research tasks and provide insights from academic materials.
- Grading and Assessment:** Automated grading tools like Gradescope and AI Exam Grader streamline the evaluation process for assignments and exams.

These AI tools enhance productivity, streamline workflows, and improve the overall academic experience for students, researchers, and educators alike

✓ Saved



AI tools for Academic Research

أدوات الذكاء الاصطناعي للبحث الأكاديمي

Canva

SlidesAI

AiPPT.com

tome



b.
beautiful.ai

AI presentations makers
أدوات صانعة للعروض التقديمية



AI tools for Academic Research

أدوات الذكاء الاصطناعي للبحث الأكاديمي

AiPPT.com

<https://www.aippt.com/>


You have 6 chances to generate PPT for free, today remains 2 chances.

AiPPT.com

AI generates slides instantly

Enter your topic, AI automatically generates slides

 Enter topic to generate

 Import document

How to Increase Employee Engagement



Popular theme:

Redefining Office Productivity with AIGC


How to Increase Employee Engagement

Future Trends in Virtual Currencies

Key Strategies for Remote Team Collaboration

 AI generates slides with one click

 Import document to generate slides

 Massive slides templates

Templates are updated daily



Challenges of Using AI Tools

تحديات استخدام أدوات الذكاء الاصطناعي



**Lack of Human
Interaction**
تقليل التواصل البشري



Ethical Concerns
مشاكل أخلاقية



Potential for Bias
التحيز



**Dependency on
Technology**
الاعتماد على التقنية



Ethical Use of AI Tools

أخلاقيات استخدام أدوات الذكاء الاصطناعي



Avoid Plagiarism
تجنب الانتحال



Refine and Review
التنقيح والمراجعة



Verify Outputs
التحقق من النتائج



Use AI as an Enhancer,
Not a Replacement
استخدام الذكاء الاصطناعي
كمعزز وليس كبديل



Best Practices for Ethical AI Use

أفضل الممارسات حول استخدام الذكاء الاصطناعي



Guard Against Bias

Be aware of potential biases in AI tools and ensure fair and equitable application in your work.

الحماية من التحيز



Promote Open Science

Share research findings transparently and collaboratively, including disclosing AI usage.

تشجيع العلوم المفتوحة



Follow Institutional Guidelines

Check with your university or institution for specific policies on AI use in academic work.

اتباع الإرشادات
المؤسسية

slido

Please download and install the
Slido app on all computers you use



**Write down the tool that caught your attention in
the presentation. اكتب اسم الأداة التي لفتت انتباهك في العرض
التقديمي**

① Start presenting to display the poll results on this slide.

Summary الملخص

01



AI tools are transformative in academia, offering support for learning, research, and productivity.

إن أدوات الذكاء الاصطناعي تشكل تحولاً في الأوساط الأكاديمية، فهي تقدم الدعم للتعليم والبحث والإنتاجية.

02



These tools enhance creativity and efficiency but come with potential drawbacks, such as bias, ethical concerns, and dependency on technology.

وتعزز هذه الأدوات الإبداع والكفاءة ولكنها تأتي مع عيوب محتملة، مثل التحيز والمخاوف الأخلاقية والاعتماد على التكنولوجيا.

03



Ethical and responsible use of AI is key to maximizing its benefits while mitigating risks.

إن الاستخدام الأخلاقي والمسؤول للذكاء الاصطناعي هو المفتاح لتعظيم فوائده مع التخفيف من المخاطر.

Conclusion الخاتمة

01



AI is a powerful ally for academic success when used wisely and ethically.

الذكاء الاصطناعي حليف قوي للنجاح الأكاديمي عندما يتم استخدامه بحكمة وأخلاق.

02



Always adhere to institutional guidelines, refine AI-generated content, and remain vigilant against misuse.

التزم دائمًا بالمبادئ التوجيهية المؤسسية، وصقل المحتوى الذي ينتجه الذكاء الاصطناعي، وكن يقظًا ضد سوء الاستخدام.

03



Embrace AI as a tool to enhance—not replace—your academic efforts.

اعتمد الذكاء الاصطناعي كأداة لتعزيز جهودك الأكاديمية وليس استبدالها.

Final Note ملاحظة أخيرة



Let AI empower your academic journey, but remember: success lies in your critical thinking, creativity, and integrity.

دع الذكاء الاصطناعي يعزز
رحلتك الأكاديمية، ولكن تذكر :
النجاح يكمن في التفكير النقدي
والإبداع والنزاهة.

المراجع References

- <https://www.officetimeline.com/blog/artificial-intelligence-ai-and-chatgpt-history-and-timelines>
- https://books.google.com.sa/books?hl=en&lr=&id=wd0FEQAAQBAJ&oi=fnd&pg=PR1&dq=AI+tools+academic&ots=NIAX_Edryp&sig=hpIZOAOdjP-UFYKOAkBiv-kl64&redir_esc=y#v=onepage&q=AI%20tools%20academic&f=false
- <https://www.addevice.io/blog/ai-in-education>
- <https://verge-ai.com/blog/should-students-use-ai-in-higher-education/>
- https://26556596.fs1.hubspotusercontent-eu1.net/hubfs/26556596/Digital%20Education%20Council%20Global%20AI%20Student%20Survey%202024.pdf?utm_medium=email&_hsenc=p2ANqtz-8Jm85SCoi5lw4H9JMecjxQq2rNdpUZBSwpYQ2eNy7Qj9SY0WShqPs5da14OVWJWuMHaZco4zw7LFKjmSv66HznWbcBi-xLp3fR_rZflThqLHvi0jc&_hsmi=92199303&utm_content=92199303&utm_source=hs_automation
- <https://www.iu.org/blog/ai-and-education/best-ai-tools-for-students/>
- <https://kripeshadwani.com/best-ai-tools-for-students/>
- <http://103.66.72.15:9090/jspui/bitstream/123456789/490/1/3%20Ai%20tools.pdf>
- <https://www.sciencedirect.com/science/article/pii/S2666990024000120>
- <https://maestra.ai/blogs/10-powerful-ai-tools-for-academic-research>
- <https://support.park.edu/support/solutions/articles/6000275008-ethical-considerations-in-using-ai-for-academic-and-professional-work#:~:text=When%20using%20AI%20for%20academic,serious%20ethical%20concerns%20about%20plagiarism.>
- <https://blog.mdpi.com/2024/02/01/ethical-considerations-artificial-intelligence/>
- <https://copilot.microsoft.com/>
- <https://chatgpt.com/>

Questions?



Thank you



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