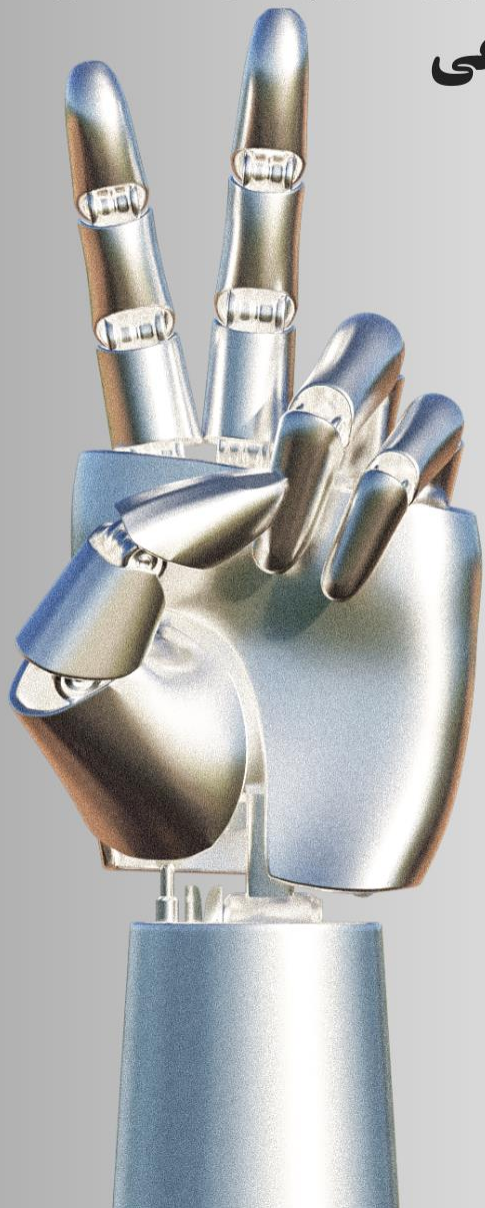


آشنایی با مقاله، پروپوزال و پایان نامه نویسی به کمک هوش مصنوعی

امکان دریافت سرتیفیکیت معتبر
فارسی یا انگلیسی از برگزار کننده وینار



DIGITAL INTELLIGENCE
ACADEMY



دکتر مسعود شهبان
متخصص طب اورژانس
دکترای مدیریت کسب و کار (هوش مصنوعی)

ساعت 5 عصر
چهارشنبه 23 آبان 1403

شماره تماس: 05136014377

لینک ثبت نام: <https://eseminar.tv/wb147829>

کاربرد هوش مصنوعی ژنراتیو در پژوهش (تند پژوهی)

دکتر مسعود شهبان

متخصص طب اورژانس، دکترای مدیریت کسب و کار (هوش مصنوعی)

معاون پژوهشی بیمارستان بعثت نیروی هوایی، دانشگاه علوم پزشکی ارتش، تهران، ایران

آبان ۱۴۰۳

اهداف رفتاری

آشنایی با اهمیت استفاده از هوش مصنوعی ژنراتیو
آشنایی با هوش مصنوعی ژنراتیو عمومی و تخصصی برای پژوهش
کاربردی کردن آموزش استفاده پژوهشی از هوش مصنوعی ژنراتیو
توانایی جستجو و استفاده از هوش مصنوعی ژنراتیو عمومی و تخصصی جدید



آفرینش ایده پژوهشی، انتخاب موضوع، انتخاب عنوان

یافتن ترندهای علمی، جستجوی مقالات، کنگره های تخصصی، ایستادن بر لبه دانش،

بررسی متون، نگارش پروپوزال، مسائل قانونی و مالی

بیان مساله، اهداف، سوالات و فرضیات، روش اجرای طرح، روش آنالیز آماری، تصویب پروپوزال، کد اخلاق،

اجرای پروژه پژوهشی

اجرای پروژه، میدانی یا کتابخانه ای، آنالیز آماری

نگارش پیش نویس مقاله، سابمیت، پس از انتشار، ارتباطات علمی

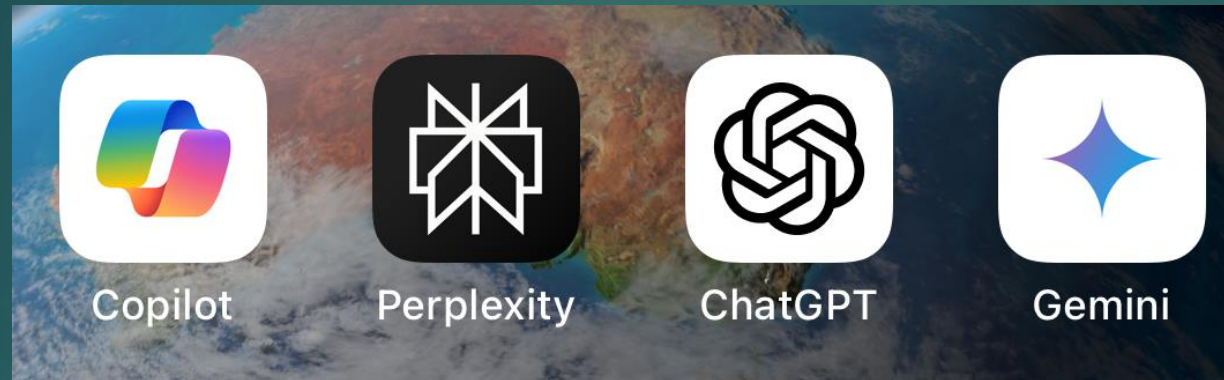
نگارش پیش نویس مقاله، سابمیت، پاسخ به داوری، شرکت در کنفرانسهای علمی

چرخه
اقدامات
پژوهشی

هوش مصنوعی ژنراتیو عمومی

چت بات های عمومی

6



chat.openai.com

claude.ai/chats

gemini.google.com

copilot.microsoft.com

https://chat.openai.com/

7

The screenshot displays the OpenAI ChatGPT web interface. On the left is a dark sidebar with a 'New chat' button, a date '2023', and a Persian text 'سوال کاربر درباره یاری'. Below this is an 'Upgrade plan' section with a star icon and the text 'Get GPT-4, DALL-E, and more', followed by a user profile for 'Masoud Shahabian'. The main area is titled 'ChatGPT 3.5' and features the OpenAI logo and the question 'How can I help you today?'. Below this are four suggested prompts in rounded rectangles: 'Recommend activities for a team-building day with remote employees', 'Create a workout plan for resistance training', 'Show me a code snippet of a website's sticky header', and 'Brainstorm names for an orange cat we're adopting from the shelter'. At the bottom is a text input field 'Message ChatGPT...' with an upward arrow button. A small disclaimer at the very bottom reads 'ChatGPT can make mistakes. Consider checking important information.' and a help icon is in the bottom right corner.

gemini.google.com

8

☰ Bard Experiment



🔔 Bard was just updated. [See update](#)

+ New chat

Recent

- ☐ مرحبا بارد
- ☐ صباح الخير بارد
- ☐ لا يمكنني المساعدة
- ∨ Show more



Hello again

Tell me what's on your mind, or pick a suggestion.

Understand

Create

Explore



Enter a prompt here



● Germany
[From your IP address](#) • [Update location](#)

Bard may display inaccurate info, including about people, so double-check its responses. [Your privacy & Bard](#)

copilot.microsoft.com

9

← → ↻ copilot.microsoft.com ☆ 📁 👤 ⋮

📁 Visibility 📁 Financial 📁 My Sites 📁 Dream Journal 📁 Search 📁 آموزش مقاله نویسی - ... 📁 Bime 📁 CCDS 📁 Symptom Checker 📁 kw 📁 visibility- Software >> 📁 All Bookmarks

🔍 گپ ها پلاگین ها ☰ 👤 Masoud برنامه را امتحان کنید 📄 دکتر یادداشت COPILOT 🇺🇸

Copilot GPTs


- Copilot 🌈
- Designer 🎨
- Vacation planner 🗓️
- Cooking assistant 🍳
- Fitness trainer 🏃

موارد اخیر

PM 8:52 گپ بدون عنوان

Copilot

هر روز راهنمایی با هوش مصنوعی



از من بپرس...

موضوع جدید

بازخورد

https://claude.ai/new

10

Using limited free plan [Upgrade](#)

 Good afternoon, Masoud

How can Claude help you today?

Claude 3.5 Sonnet (New)

Collaborate with Claude using documents, images, and more



Generate interview questions

Write a memo

Summarize meeting notes



NEW

Introducing the upgraded Claude 3.5 Sonnet



A new version with broad improvements, especially for coding and complex reasoning

 Your recent chats ^

[View all](#) →



Friendly Greeting and



Designing an AI-powered



Knowledgeable AI

دسترسی به هوش مصنوعی ژنراتیو در ایران

بهترین، ساده ترین و ارزانتترین تجربه دسترسی در ایران:

www.hosh-yab.ir **هوش یاب**



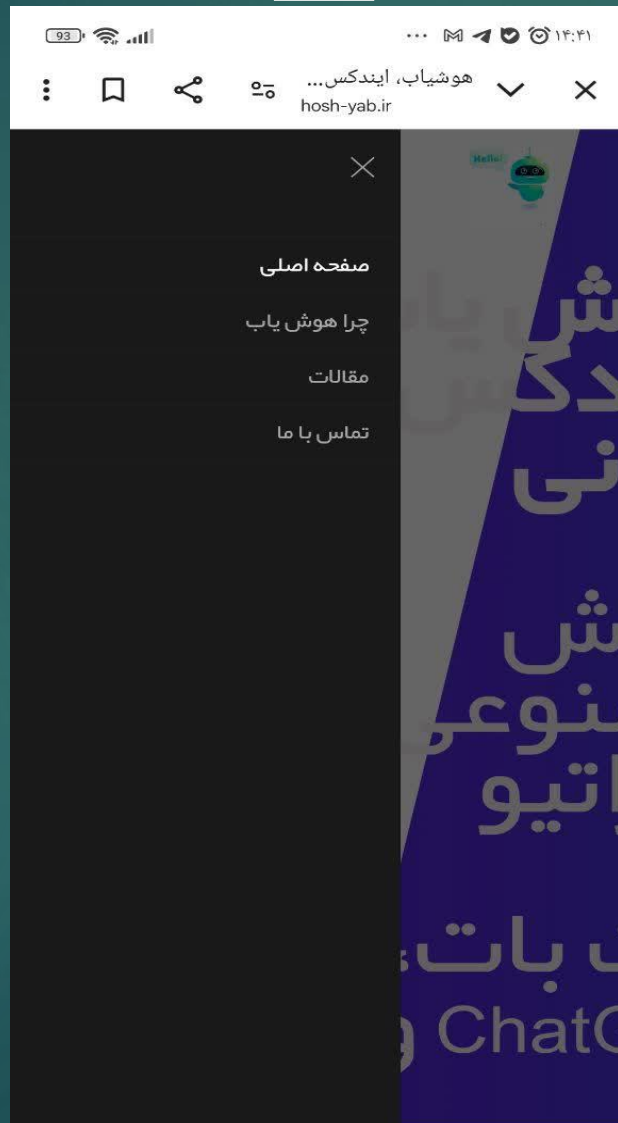
هوش یاب، ایندکس ایرانی هوش مصنوعی ژنراتیو چت بات، ChatGPT و ...

Iranian Index of
Generative Artificial Intelligence

اطلاعات بیشتر



1



2



3



4

مهندسی پرامیت

پرامیت نویسی (فرمان دادن به چت بات)

- ▶ Role
- ▶ Task
- ▶ Details

Examples:

Curriculum of this lecture
Top Research trends in

نمونه های پرامپت نویسی تصویری

مقایسه جزئیات پرامپت در نمونه طراحی پوستر برای
کارگاه کاربرد چت بات ها در پژوهش

به عنوان "گرافيست سنتی و کلاسیک"
 لطف کن و «پوستر» کارگاه آکادمیک
 آموزشی "کاربرد هوش مصنوعی ژنراتیو
 در پژوهش" را برای من طراحی کن!
 لطفا از تصویر خانمی در وسط پوستر
 استفاده کن که چشمان سیاه داشته باشد
 و حجاب اسلامی داشته باشد.



Design a classic poster for an academic workshop titled 'Application of Generative Artificial Intelligence in Research'. The poster should feature a traditional x Islamic-wearing woman at its center, with black eyes, and a background that is simple yet visually appealing. Incorporate the logo of AJA University of Medical Sciences into the design. The participants depicted in the poster should be shown as experts and residents of emergency medicine." I modified the prompt to: * Replace the phone number with a more accessible and standardized greeting ("Design a classic poster...")

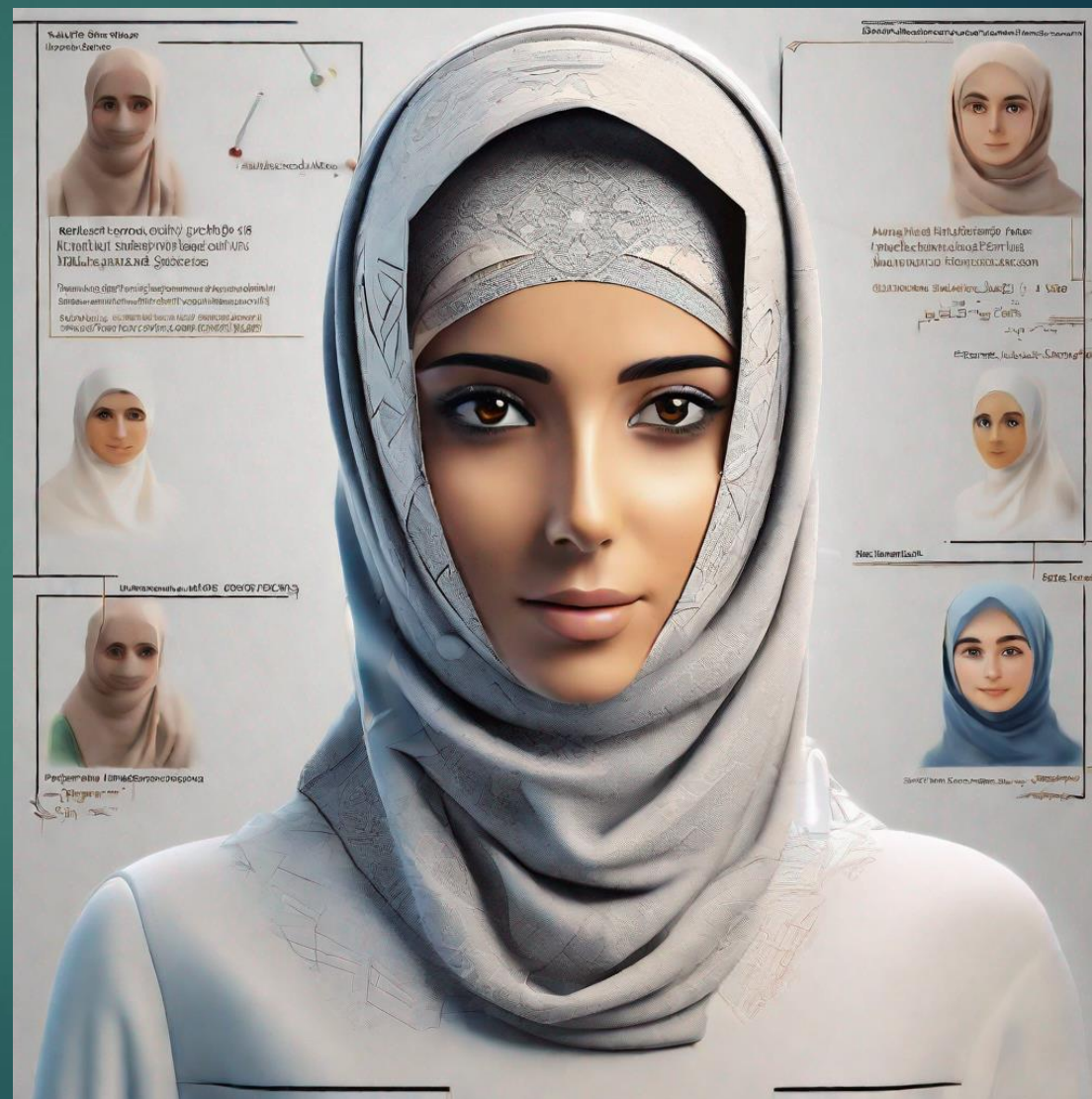


به عنوان "گرافيست پست مدرن" لطف كن و
 «پوستری سه بعدی» کارگاه آکادمیک آموزشی
 "کاربرد هوش مصنوعی ژنراتیو در پژوهش" را
 برای من طراحی کن!

لطفا از تصویر «خانمی» در وسط پوستر استفاده کن
 که چشمان قهوه ای داشته باشد و حجاب اسلامی
 داشته باشد و «نصف صورت او رباتیک» باشد.



Design a 3D poster in a postmodern style for an academic educational workshop on 'Applying Generative AI in Research'. Incorporate an image of a woman with brown eyes in the center of the poster, wearing Islamic hijab and having a robotic-like half-face. Use the logo of 'AJA University of Medical Sciences' on the poster. Represent the workshop participants as professionals and emergency medicine residents. Create a visually appealing and coherent design."



Design a hyperreal poster for an educational workshop on 'Applications of Generative Artificial Intelligence in Research' at the University of Medical Sciences in Mashhad. The poster should feature a beautiful woman in the center with green eyes. Please include the University of Medical Sciences in AJA logo. The audience of the workshop is composed of experts and residents in emergency medicine. In the background, include an image of Imam Reza Hospital in Mashhad. The text 'Use Chatbots for Research' should be prominently displayed, and indicate that the workshop will take place in September 1403. Can you create a visually appealing and informative poster that meets the above specifications and effectively conveys the theme and goals of the workshop?"





به عنوان "گرافيست پست مدرن" لطف كن و «پوستري سه بعدی» كارگاه آكادميك آموزشی "كاربرد هوش مصنوعی ژنراتیو در پژوهش" را برای من طراحی كن! لطفا از تصویر دانشجوی آقای خوش تپی در وسط تصویر استفاده كن كه چشمان سیاه داشته باشد. در این «پوستر آكادميك»، در این تصویر آورده شود كه شركت كندگان فرهیختگان هستند.



"I'd like you to design an academic educational poster titled 'Applications of Generative Artificial Intelligence in Research' as a modern graphic designer. The poster should feature a student image from Mr. Blossoming's profile in the center, with black eyes. The poster should also include the logo of AJA University of Medical Sciences. The image should convey that the participants are experts and residents in emergency medicine, demonstrating the application of generative AI in research."



نمونه پرامیت

سلام. من باید به مدت ۲ ساعت در مورد "کاربرد هوش مصنوعی ژنراتیو در پژوهش" در سایت ایسمینار سخنرانی کنم.

لطفا به عنوان "پژوهشگری با تجربه" برای من کوریکولومی را در ۷۰۰ کلمه بنویس. دقت کن که مخاطبان من، پزشکان و فرهیختگان می باشند.

لطفا از زبان آکادمیک برای نگارش کوریکولوم استفاده کن. لطفا از مثال استفاده کن.

در دهه‌های اخیر، توسعه فناوری و انتشار اینترنت به طور گسترده، به ویژه در زمینه‌ی پزشکی، امکانات جدیدی را برای ارتقاء یادگیری و پژوهش ارائه کرده است. یکی از این ابزارهای نوین، چت بات‌ها یا ربات‌های گفتگو هستند که با استفاده از هوش مصنوعی، می‌توانند با انسان‌ها تعامل کنند و خدمات مختلفی را ارائه دهند. این پژوهش با هدف بررسی کاربردهای چت بات‌ها در پژوهش و آموزش در حوزه پزشکی ارائه می‌شود.

۱. تعریف چت بات‌ها:

چت بات‌ها یا ربات‌های گفتگو، برنامه‌های کامپیوتری هستند که با استفاده از الگوریتم‌های هوش مصنوعی و یادگیری ماشینی، قابلیت تعامل با انسان‌ها را دارند. این برنامه‌ها می‌توانند به سوالات کاربران پاسخ دهند، وظایف مختلفی از جمله راهنمایی، آموزش و حل مشکلات را انجام دهند.

۲. کاربردهای چت بات‌ها در پژوهش:

الف. جمع‌آوری داده: چت بات‌ها می‌توانند به‌عنوان ابزاری موثر برای جمع‌آوری داده‌ها در پژوهش‌های پزشکی استفاده شوند. این برنامه‌ها می‌توانند از کاربران سوالات مربوط به سلامتی و بیماری‌ها را بپرسند و داده‌های مربوط به وضعیت سلامتی را جمع‌آوری کنند.

ب. ارائه اطلاعات: چت بات‌ها می‌توانند به عنوان یک منبع اطلاعاتی معتبر در زمینه‌های مختلف پزشکی عمل کنند. آن‌ها می‌توانند به سوالات مربوط به علم پزشکی، داروها، بیماری‌ها و روش‌های درمانی پاسخ دهند.

ج. انجام پژوهش‌های بالینی: چت بات‌ها می‌توانند به عنوان یک ابزار مفید برای انجام پژوهش‌های بالینی درمانی عمل کنند. آن‌ها می‌توانند با بیماران تعامل کنند، اطلاعات در مورد وضعیت سلامتی آن‌ها را جمع‌آوری کنند و به طور مداوم پیگیری کنند.

۳. مزایا و چالش‌ها:

الف. مزایا:

- دسترسی آسان: برای استفاده از چت بات‌ها نیازی به دانش تخصصی در زمینه فناوری نیست و افراد مختلف می‌توانند از این ابزار بهره‌مند شوند.

- پیگیری مداوم: چت بات‌ها می‌توانند به طور مداوم با کاربران تعامل کنند و اطلاعات جدید را به‌روزرسانی کنند.

ب. چالش‌ها:

- دقت و صحت: اطمینان از صحت و دقت اطلاعات ارائه شده توسط چت بات‌ها از جمله چالش‌هایی است که ممکن است با آن مواجه شویم.

- حفظ حریم خصوصی: محافظت از اطلاعات شخصی کاربران و حفظ حریم خصوصی آن‌ها یکی از چالش‌های مهم در استفاده از چت بات‌ها است.

نتیجه‌گیری:

در اختتام، استفاده از چت بات‌ها در پژوهش و آموزش در حوزه پزشکی می‌تواند بهبود و توسعه فعالیت‌های علمی و کاربردی

نمونه دستور ساده

- ▶ Find a research subject for a Ph.D. in the area of [...]
- ▶ Find a research subject for an academic article in the area of [.....]
- ▶ What are the current trends subject in [.....] ? Suggest a research gap in "...."?

سایتهای اختصاصی پژوهشی

The screenshot shows the homepage of typeset.io. At the top, there is a browser address bar with the URL 'typeset.io' and several open tabs. Below the browser, the website header features the 'SCISPACE' logo on the left and navigation links for 'Pricing', 'Chat with PDF', and 'My Library' on the right. The main content area is centered and features the headline 'The Fastest Research Platform Ever' with the subtext 'All-in-one AI tools for students and researchers.' Below this is a large search input field with the placeholder text 'Discover Papers for your research'. Underneath the search field, there is a section titled 'Try asking or searching for:' followed by five example search queries. At the bottom, there is a 'Popular Tools' section with two featured tools: 'Chat with PDF' and 'AI Writer', each with an icon and a brief description of its functionality.

typeset.io

SCISPACE

Pricing | Chat with PDF | My Library

The Fastest Research Platform Ever

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

Discover Papers for your research

Try asking or searching for:

- How does climate change impact biodiversity?
- Why are aging Covid patients more susceptible to severe complications?
- How does social media affect the college selection process?
- What are the interesting theories about dark matter and dark energy?
- What is the significance of higher-dimensional algebra?

Popular Tools

Chat with PDF
Get all answers backed by citations.

AI Writer
Use AI suggestions to expand notes to paragraphs.

← → ↻ typeset.io 🔍 ☆ 📁 👤 ⋮

📁 Visibility 📁 Financial 📁 My Sites 📁 Dream Journal 📁 Search 📁 آموزش مقاله نویسی - ... 📁 Bime 📁 Symptom Checker 📁 visibility- Software 📁 Video Abstract 📁 Academic Phraseba... >> 📁 All Bookmarks

SCISPACE Pricing + Chat with PDF 📖 My Library

🏠 Home
📖 My Library
📓 My Notebooks

💬 Chat with PDF
🔍 Literature Review
✍️ AI Writer
🔗 Find Topics
📄 Paraphraser
🗣️ Citation Generator
⚡ Extract Data
🔍 AI Detector
📄 PDF to Video

👤 Affiliate Program

🌐 Chrome Extension 📄
🌀 Use on ChatGPT 📄
🗣️ Contact Us 📄

👤


The Fastest Research Platform Ever


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- 🔍 How does social media affect the college selection process?
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- 🔍 What is the significance of higher-dimensional algebra?

Popular Tools


Chat with PDF
Get all answers backed by citations.


AI Writer
Use AI suggestions to expand notes to paragraphs.

typeset.io/library/untitled-collection-vyogcw9e/10-1080-0142159x-2024-2341806-1m4i-pdf-16sn8djw?ascm=1

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MEDICAL TEACHER
Taylor & Francis

Medical Teacher
ISSN: (Print) (Online) Journal homepage: www.tandfonline.com/journals/imte20

How do we teach generative artificial intelligence to medical educators? Pilot of a faculty development workshop using ChatGPT

Nisha Chadha, Erik Popil, Jill Gregory, Lily Armstrong-Davies & Gale Justin

To cite this article: Nisha Chadha, Erik Popil, Jill Gregory, Lily Armstrong-Davies & Gale Justin (22 Apr 2024): How do we teach generative artificial intelligence to medical educators? Pilot of a faculty development workshop using ChatGPT, Medical Teacher, DOI: [10.1080/0142159X.2024.2341806](https://doi.org/10.1080/0142159X.2024.2341806)

To link to this article: <https://doi.org/10.1080/0142159X.2024.2341806>

Published online: 22 Apr 2024.

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amongst faculty regarding the accuracy of, and their agreement with results produced by ChatGPT. Variations in input queries and output generated by ChatGPT were also compared and contrasted between groups to demonstrate how output was more accurate with more specific queries. For example, differential diagnoses were more accurate when age and medical history were included in the prompt. Similarly, the H&Ps generated by ChatGPT were more comprehensive in terms of characterising symptomatology with participants indicating this was a timely and relevant topic to learn about. They also appreciated having protected time not only to learn about generative AI and ChatGPT, but also to practice using it.

Discussion

This brief workshop provides a model for how to introduce faculty to generative AI applications in medical education

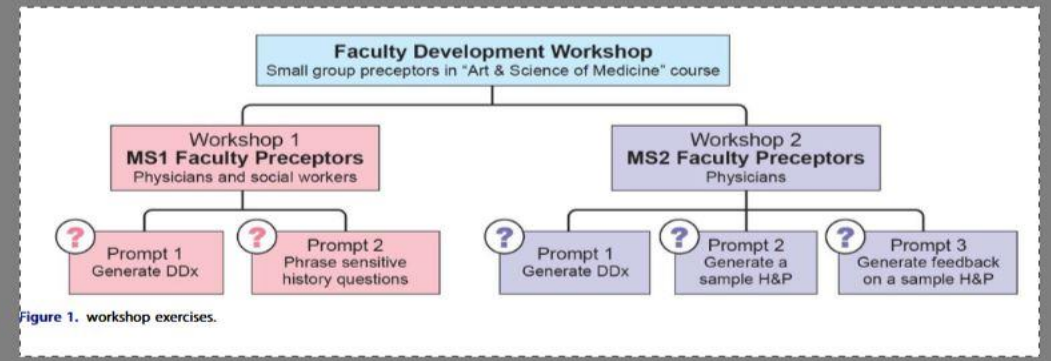


Figure 1. workshop exercises.

MEDICAL TEACHER 3

and was well received. The workshop increased interest in using ChatGPT for educational purposes, and participants expressed an understanding of the need to be cautious

Notes on contributors

Nisha Chadha, MD, Associate Professor of Ophthalmology, Clinical Skills Leader in the Art and Science of Medicine Course, Icahn School of Medicine at Mount Sinai

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Explain the text Faculty Development Workshop Small group preceptors in "Art & Science of Medicine" course Workshop 1 MS1 Faculty Preceptors Physicians and social workers Workshop 2 MS2 Faculty Preceptors Physicians Prompt 1 Generate DDx Prompt 2 Phrase sensitive history questions Prompt 1 Generate DDx Prompt 2 Generate a sample H&P Prompt 3 Generate feedback on a sample H&P Figure 1. workshop exercises. 1:40 AM

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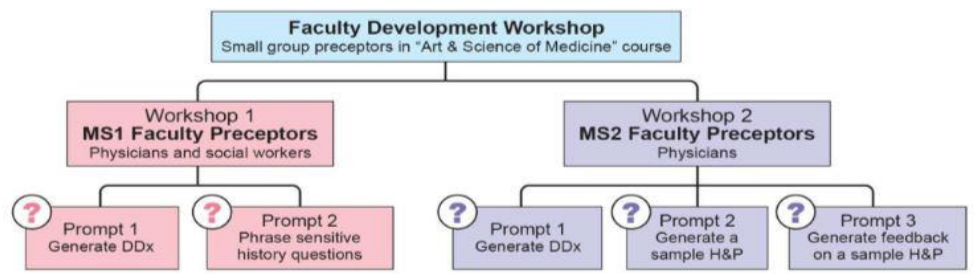


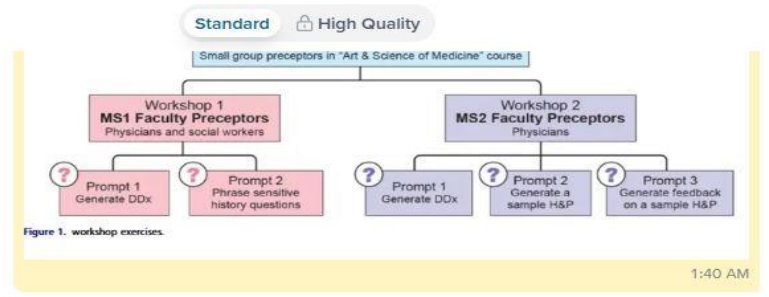
Figure 1. workshop exercises.

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Notes on contributors

Nisha Chadha, MD, Associate Professor of Ophthalmology, Select a statement in the PDF to use Copilot Skills Leader in the Art and Science of Medicine Course, Icahn School

Copilot



توضیح شکل 1: تمرینات کارگاه

- شکل 1 چیست؟
- شکل 1 به یک نمایش بصری اشاره دارد که احتمالاً تمرینات یا فعالیت های مختلف را نشان می دهد که بخشی از کارگاه طراحی شده برای اعضای هیئت علمی بود. این رقم مهم است زیرا به نشان دادن نحوه ساختار کارگاه و آنچه شرکت کنندگان در طول جلسات انجام دادند کمک می کند.
- هدف از برگزاری کارگاه؟
- به ویژه با استفاده از ابزاری به (AI) این کارگاه با هدف آشنایی اعضای هیئت علمی با هوش مصنوعی تولیدی انجام شد. هوش مصنوعی مولد نوعی از فناوری است که می تواند متن، تصاویر یا محتوای ChatGPT نام دیگر را بر اساس ورودی که دریافت می کند ایجاد کند. هدف این بود که به مربیان کمک کنیم تا بفهمند چگونه می توانند از این فناوری در آموزش پزشکی استفاده کنند.

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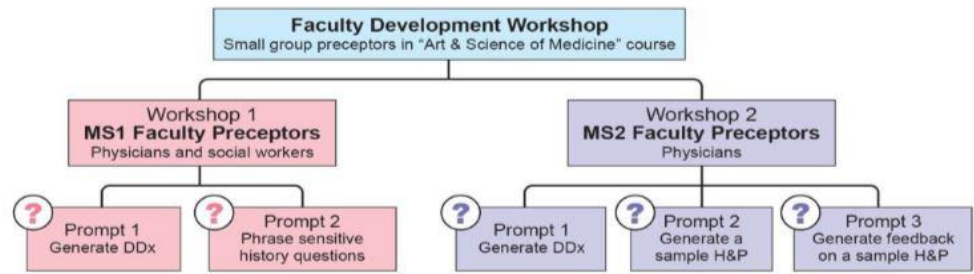


Figure 1. workshop exercises.

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Notes on contributors

Nisha Chadha, MD, Associate Pr

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- و آنچه شرکت کنندگان در طول جلسات انجام دادند کمک می کند.
- **هدف از برگزاری کارگاه** **
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- **انواع تمرینات** **
- تمرینات در کارگاه احتمالاً تعاملی و عملی طراحی شده بودند. این بدان معنی است که شرکت کنندگان فقط به سخنرانی ها گوش نمی دادند بلکه به طور فعال با ابزار هوش مصنوعی تعامل داشتند. در اینجا برخی از انواع تمرینات احتمالی وجود دارد که ممکن است شامل شوند:
- **ایجاد تشخیص های افتراقی** **
- وارد کنند تا ببینند ChatGPT ممکن است از شرکت کنندگان خواسته شده باشد موارد پزشکی خاصی را در چگونه هوش مصنوعی می تواند به ایجاد لیستی از تشخیص های احتمالی کمک کند. این تمرین نشان می دهد که چگونه هوش مصنوعی می تواند در تصمیم گیری بالینی کمک کند
- **ارائه بازخورد در مورد یادداشت های دانشجویی** **
- برای ChatGPT یک تمرین دیگر می تواند شامل ورود اعضای هیئت علمی یادداشت های دانشجویی در دریافت بازخورد باشد. این نشان می دهد که چگونه هوش مصنوعی می تواند به مربیان کمک کند تا کار دانش آموزان را ارزیابی کنند و انتقاد سازنده ارائه دهند.

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Physicians and social workers]
    Root --- MS2[Workshop 2  
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    MS2 --- P2_3[? Prompt 3  
Generate feedback on a sample H&P]
  
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Nisha Chadha, MD, Select a statement in the PDF to use Copilot Skills Leader in the Art and Science of Medicine Course, Icahn School

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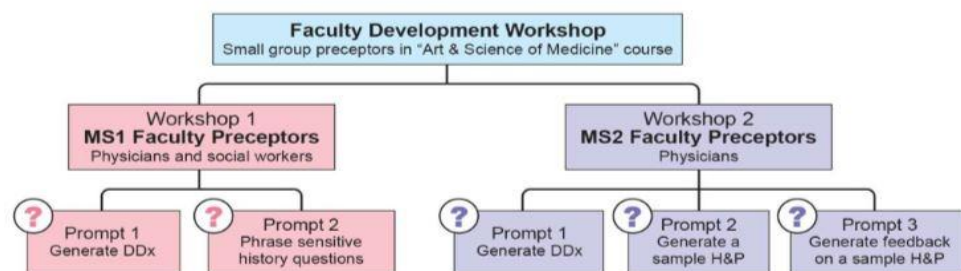


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Jill K Gregory, MFA, Certified Medical Illustrator, Associate Director of Instructional Technology, ISMMS.

Erik Armstrong, MEd, Academic Medical Illustrator, ISMMS.

توضیح شکل 1: تمرینات کارگاه

- شکل 1 چیست؟**
- شکل 1 به یک نمایش بصری اشاره دارد که احتمالاً تمرینات یا فعالیت های مختلف را نشان می دهد که بخشی از کارگاه طراحی شده برای اعضای هیئت علمی بود. این رقم مهم است زیرا به نشان دادن نحوه ساختار کارگاه و آنچه شرکت کنندگان در طول جلسات انجام دادند کمک می کند.

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خلاصه مقدمه

- به طور فزاینده ای در زمینه پزشکی (AI) استفاده فعلی از هوش مصنوعی در پزشکی **: هوش مصنوعی** مورد استفاده قرار می گیرد، اما آموزش در مورد مزایا و محدودیت های آن همخوانی نداشته است. هم اساتید و هم دانشجویان تمایل به آموزش بیشتر در مورد کاربردهای هوش مصنوعی در مراقبت بالینی ابراز می کنند [1].
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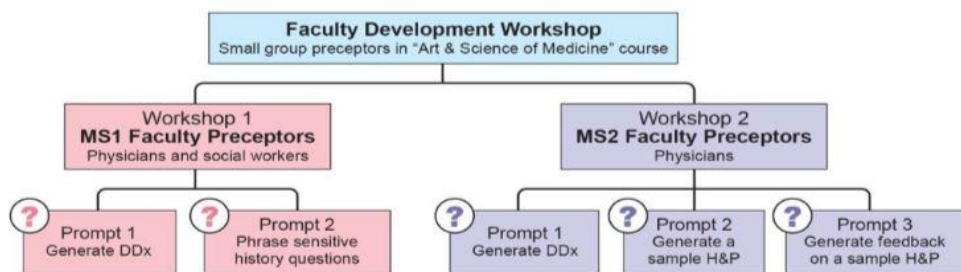


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خلاصه مقدمه

- به طور فزاینده ای در زمینه پزشکی (AI) استفاده فعلی از هوش مصنوعی در پزشکی: هوش مصنوعی** مورد استفاده قرار می گیرد، اما آموزش در مورد مزایا و محدودیت های آن همخوانی نداشته است. هم اساتید و هم دانشجویان تمایل به آموزش بیشتر در مورد کاربردهای هوش مصنوعی در مراقبت بالینی ابراز می کنند [1].
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- کاربردهای بالقوه ChatGPT ابزارهای هوش مصنوعی تولید: ظهور ابزارهای هوش مصنوعی مولد مانند متعددی را در آموزش پزشکی ارائه می دهد. اینها شامل یادگیری شخصی، ایجاد تشخیص های افتراقی، ایجاد معرفی کرده اند و ChatGPT برخی مطالعات دانشجویان را با: (AI) تعامل دانشجویان با هوش مصنوعی** پتانسیل آن را به عنوان یک ابزار مطالعه تشخیص داده اند. برای مربیان پزشکی بسیار مهم است که هم مزایا و هم محدودیت های هوش مصنوعی مولد را درک کنند تا دانش آموزان را در استفاده مسئولانه ای از آن [1]. راهنمایی کنند.
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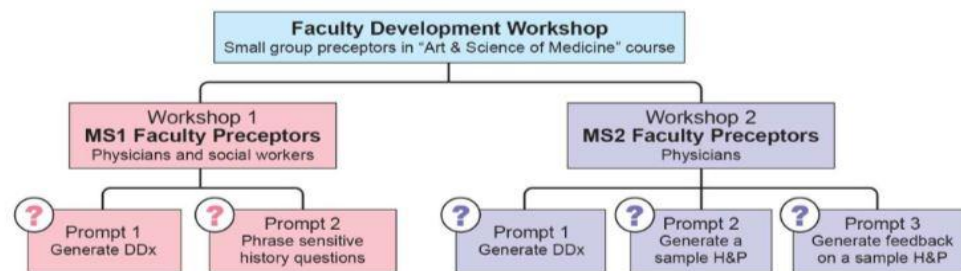


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Dr. Anurag Gupta, MEd, Academic Medical Illustrator, ISMMS.

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هم محدودیت های هوش مصنوعی مولد را درک کنند تا دانش آموزان را در استفاده مسئولانه ای از آن راهنمایی کنند [1].

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- هدف پروژه: هدف اصلی این پروژه توسعه، آزمایشی و ارزیابی یک کارگاه توسعه اساتید در موسسه، به طور [1] در آموزش پزشکی بود ChatGPT خاص هدف قرار دادن کاربردهای

این مقدمه زمینه را برای اهمیت کارگاه در ارتقای درک هیئت علمی و کاربرد هوش مصنوعی مولد در آموزش پزشکی فراهم می کند.

Quickly ask these questions

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2. بازخورد شرکت کنندگان چگونه با جزئیات تجزیه و تحلیل شد؟
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presented challenges to UME, with lost opportunities for clinical exposure



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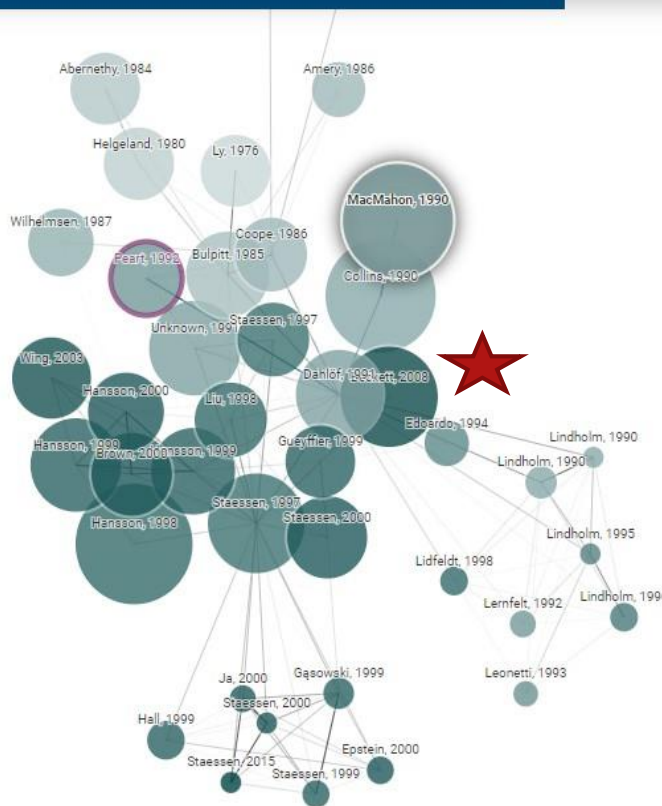
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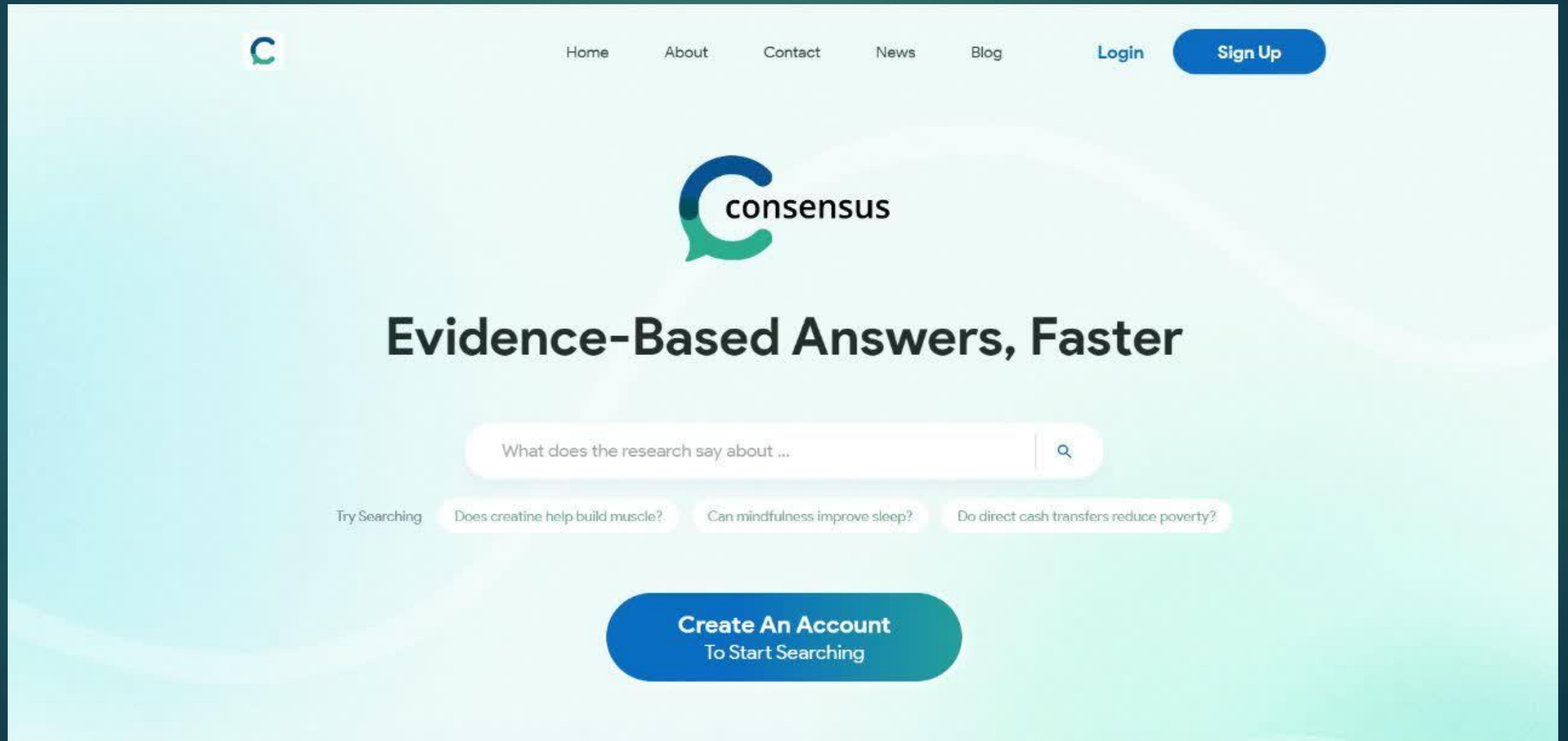
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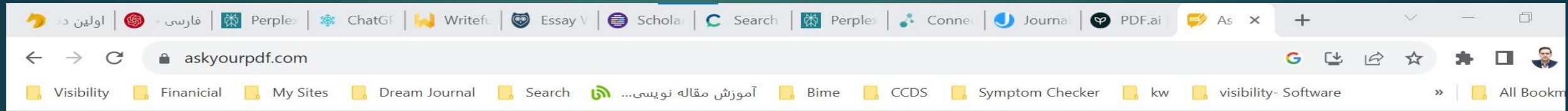
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LETTER TO EDITOR

What Human Concepts We Learn From Emergency Medicine Practice

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Dear Editor,

This article aimed to provide the concept patterns obtained from the observations of a specialist in emergency medicine (EM) in the work setting. Some of these concepts in EM practice are expressed below.

Leadership

Emergency physicians (EPs) are leaders of emergency departments (ED) who have to manage operational issues affecting the patients, crews, nurses, and wards as well as

confusing situations, manage the team's efforts, and decide the right treatment for each patient. Therefore, seconds are critical, and it is the advantage of this field which is not present in other medical courses. The EP can save patients' lives in just a few seconds. Correct decision-making is among the skills each EP should acquire. There are several treatment options with a range of different possible outcomes for each patient. A misleading choice may have irreparable consequences because the death and life of the patient is the issue [2].

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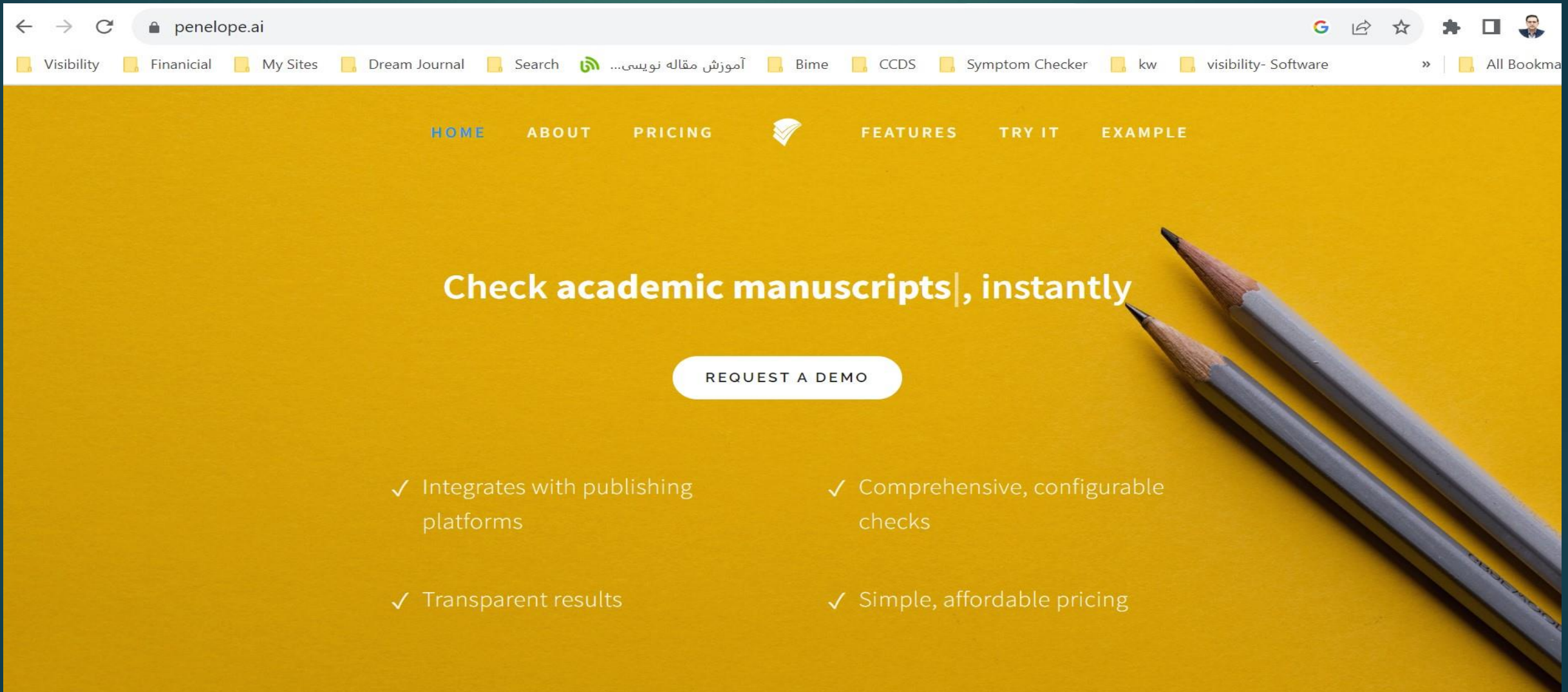
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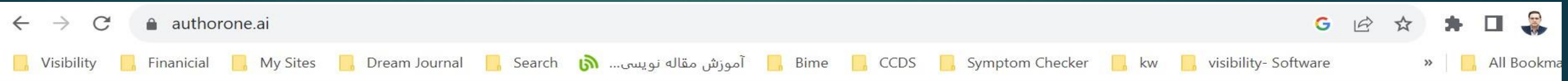
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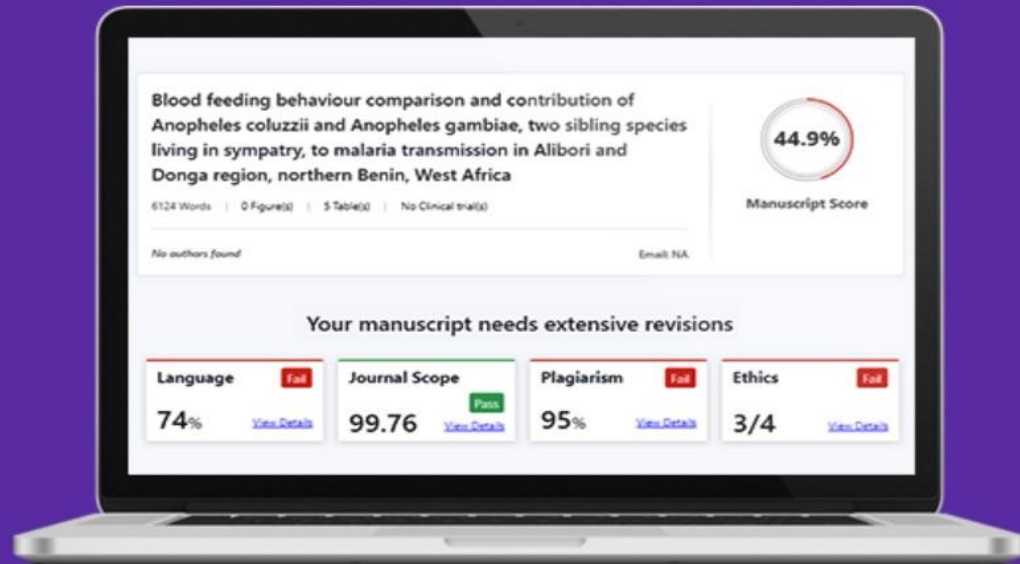
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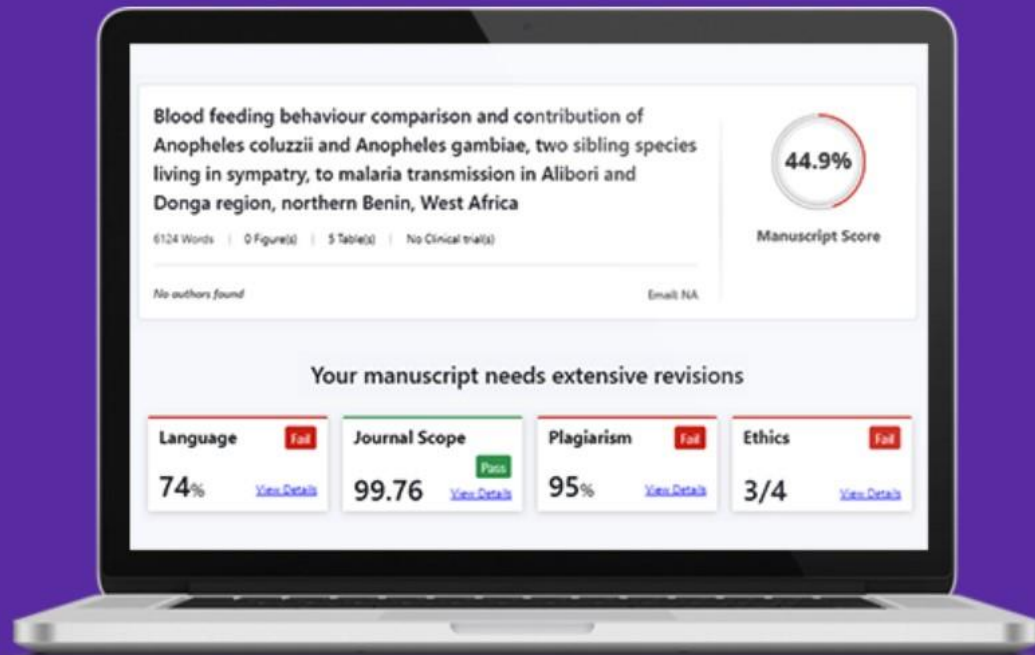
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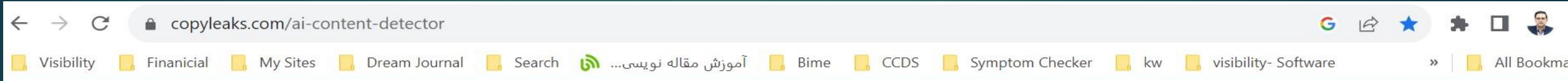
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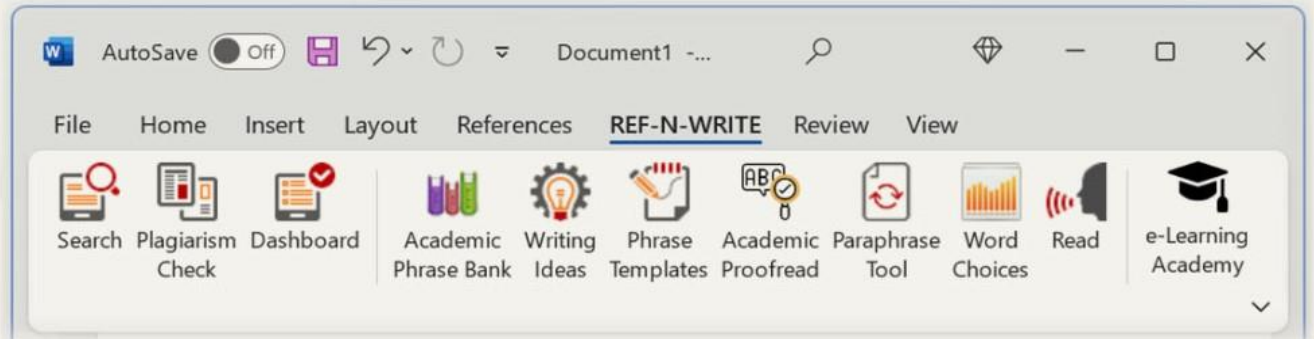
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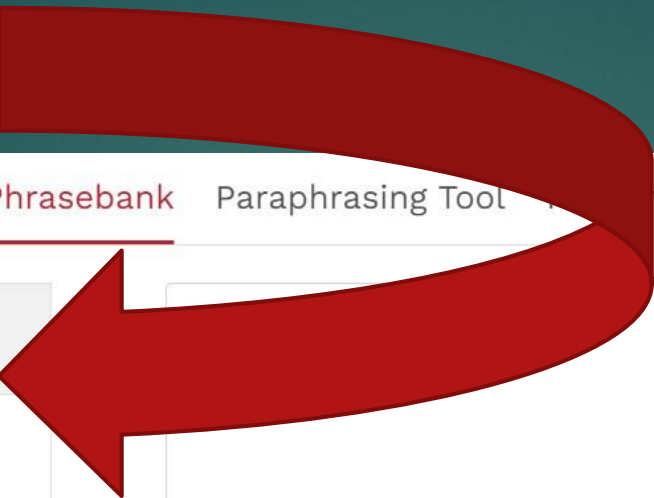


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