

بهبود مهارت های پژوهشی به کمک هوش مصنوعی

جلسه مشترک دپارتمان های هماتولوژی و اونکولوژی
دانشگاه علوم پزشکی مشهد



دکتر مسعود شهابیان
متخصص طب اورژانس
دکترای مدیریت کسب و کار هوش مصنوعی



یکشنبه 30 دی 1403، ساعت 8:30
مشهد، بیمارستان قائم، کتابخانه، سالن شورا

کاربرد هوش مصنوعی ژنراتیو در پژوهش (تند پژوهی)

دکتر مسعود شهابیان

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

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

دی ۱۴۰۳

اهداف رفتاری

3

آشنایی با هوش مصنوعی ژنراتیو عمومی

آشنایی با دسترسی ایرانی به هوش مصنوعی ژنراتیو

آشنایی با مهندسی پرامپت

آشنایی با نقشه راه یادگیری استفاده از هوش مصنوعی ژنراتیو برای پژوهش

✓ بهبود مهارت‌های پژوهشی

✓ آفرینش ایده و عنوان پژوهشی

✓ چارچوب مفهومی و پیشنهاد نظری پژوهش

✓ نگارش پروپوزال

✓ جمع آوری و تحلیل داده ها

✓ نگارش پایان نامه

✓ نگارش پیش نویس مقاله

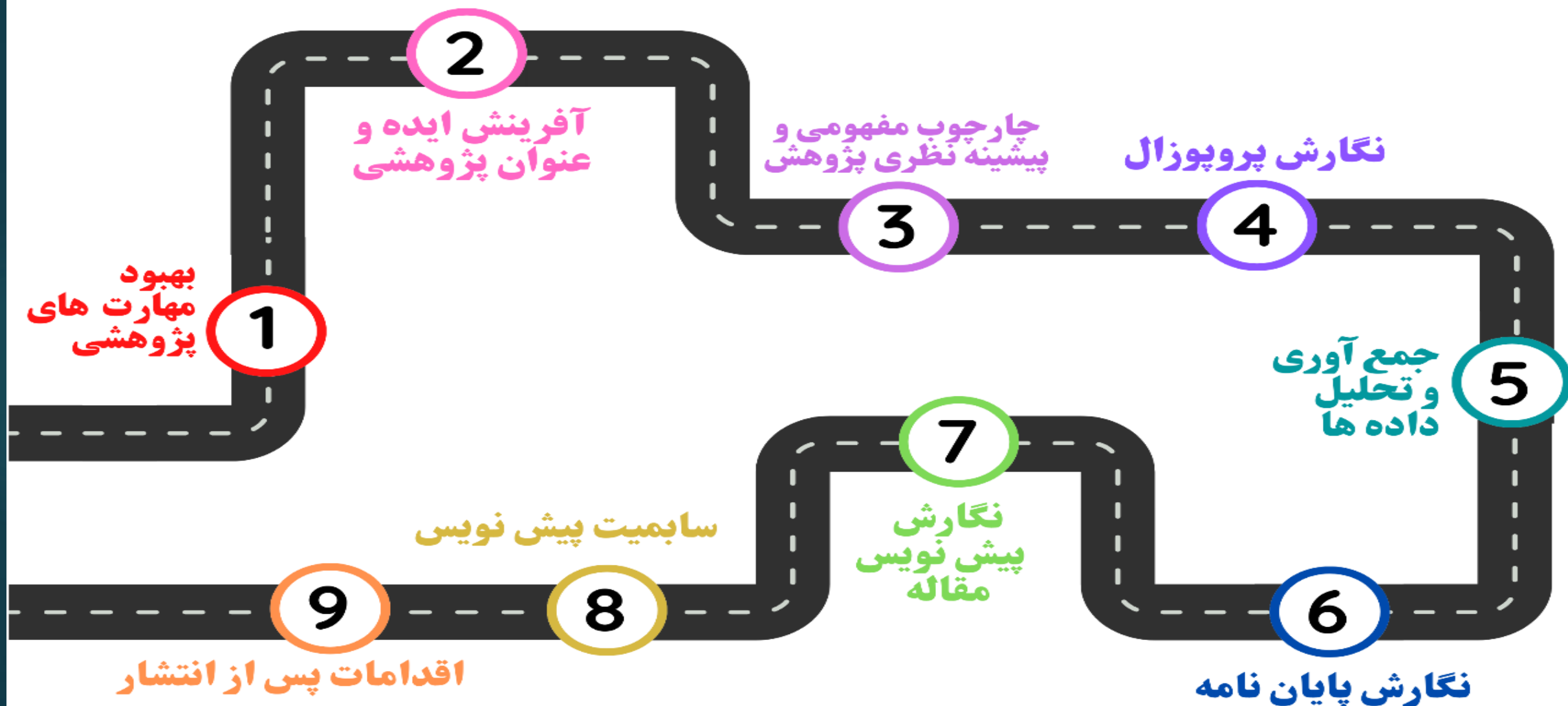
✓ سابمیت پیش نویس

✓ اقدامات پس از انتشار

کاربردی کردن آموزش استفاده پژوهشی از هوش مصنوعی ژنراتیو

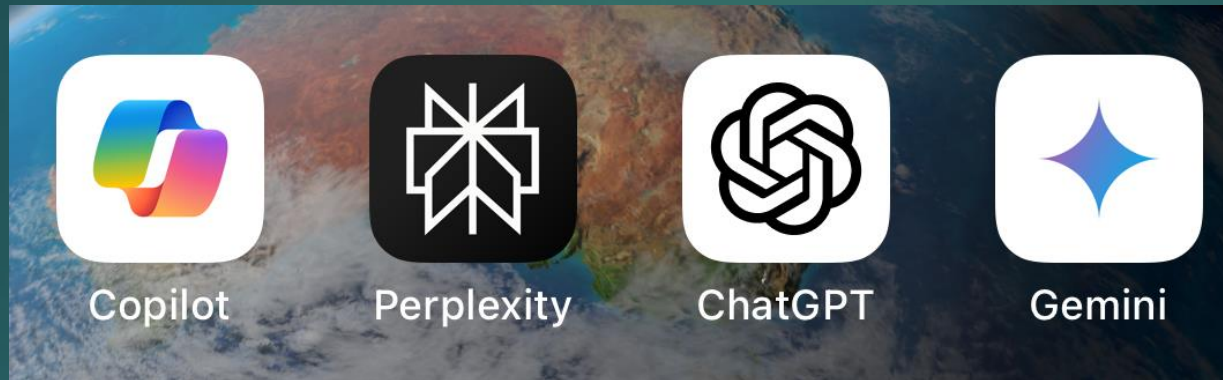


پژوهش به کمک هوش مصنوعی



آشنایی با هوش مصنوعی ژنراتیو عمومی

چت بات های عمومی



chat.openai.com

claude.ai/chats

gemini.google.com

copilot.microsoft.com

https://chat.openai.com/

7

 New chat 

2023

سوال کاربر درباره یاری



How can I help you today?

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

Brainstorm names
for an orange cat we're adopting from the shelter

Message ChatGPT... 

ChatGPT can make mistakes. Consider checking important information. 

≡ 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

پلاگین‌هاگپ‌ها☰

Masoud

برنامه را امتحان کنید📄

دفتر یادداشت📝

COPILOT

🇺🇸

Copilot GPTs

Copilot🧩

Designer🎨

Vacation planner🧳

Cooking assistant🍷

Fitness trainer🏃

موارد اخیر

PM 8:52

گپ بدون عنوان

بازخورد💬

Copilot🧩

هر روز راهنمایی با هوش مصنوعی

از من بپرس...

موضوع جدید🗨️

➤

🎤

📎

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:

هوش یاب www.hosh-yab.ir



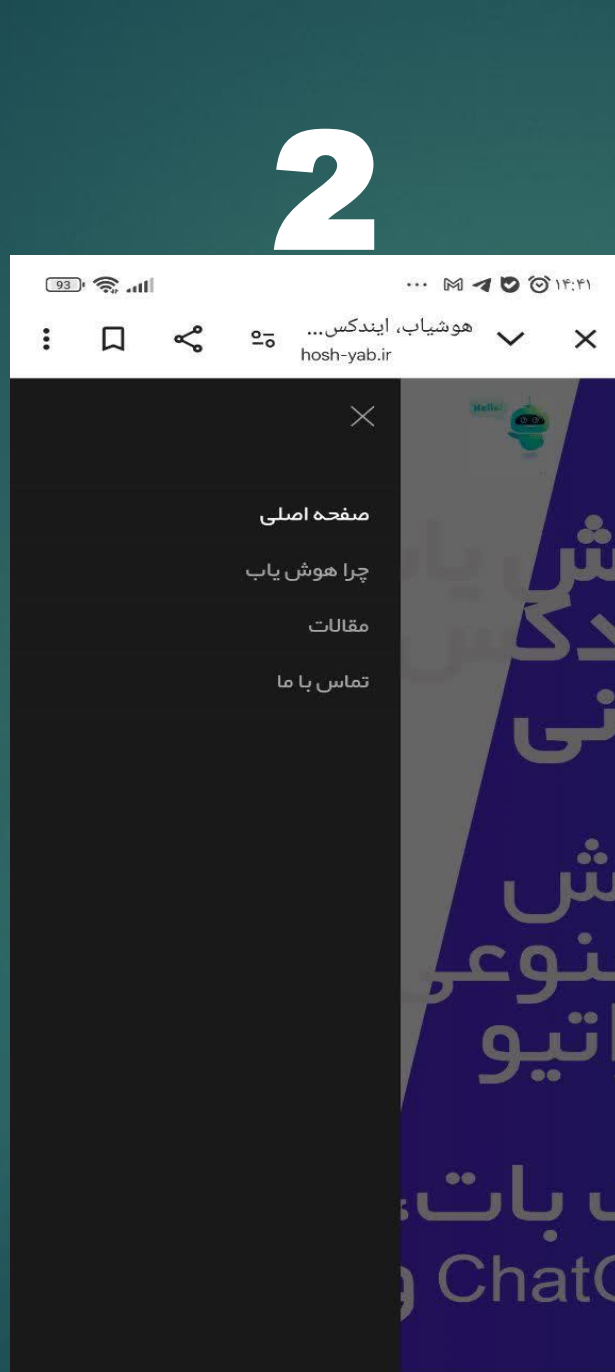
هوش یاب، ایندکس ایرانی هوش مصنوعی ژنراتیو چت بات، ChatGPT و ...

Iranian Index of
Generative Artificial Intelligence

اطلاعات بیشتر



1



2



3



4

مهندسی پرامیت

پرامپت 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 هوش مصنوعی ژنراتیو در پژوهش

به عنوان "گرافیک 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
 «پوستري سه بعدی» كارگاه آكادميك آموزشی
 "كاربرد هوش مصنوعی ژنراتیو در پژوهش" را
 برای من طراحی كن!

لطفا از تصویر «خانمی» در وسط پوستر استفاده كن
 كه چشمان قهوه ای داشته باشد و حجاب اسلامی
 داشته باشد و «نصف صورت او رباتيك» 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."



به عنوان "گرافیست با تجربه" لطف کن و
 «پوستری در سبک هیپر رئال» را برای کارگاه
 آموزشی "کاربرد هوش مصنوعی ژنراتیو در
 پژوهش" را برای من طراحی کن!

لطفا از تصویر خانمی زیبا در وسط تصویر
 استفاده کن که چشمان سبز داشته باشد. در این
 تصویر آورده شود که شرکت کنندگان فرهیختگان
 هستند. متن "Use Chat bots for
 Research" در تصویر آورده شود و ذکر
 شود که زمان برگزاری «ماه آبان سال ۱۴۰۳»
 است.



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 تیپی در وسط تصویر
استفاده كن كه چشمان سیاه داشته باشد. در
این «پوستر آكادميك»، در این تصویر آورده شود
كه شركت كنندگان 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" 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 به عنوان 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 به روزرسانی 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

سایتهای تولید کننده پرامپت

Feedough.com

neuralwriter.com

gptforwork.com/tools/prompt-generator

chatx.ai/chatgpt-prompt-generator/

hix.ai/ai-writer/prompt-generator

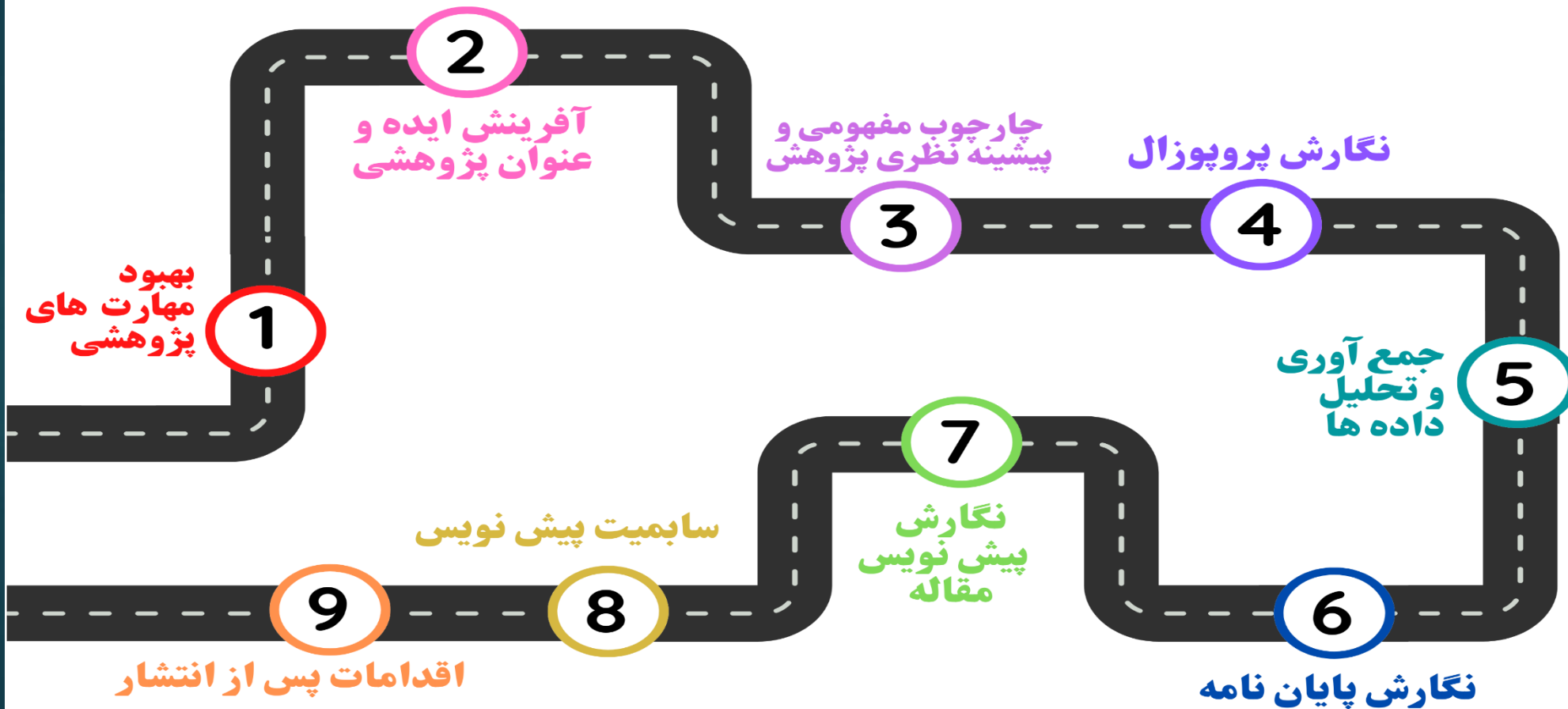


آشنایی با نقشه راه یادگیری استفاده از هوش مصنوعی ژنراتیو برای پژوهش

۱- بهبود مهارت های پژوهشی به کمک هوش مصنوعی

WWW.B2N.IR/10010

پژوهش به کمک هوش مصنوعی



❖ ترجمه

پرامیت مناسب

سایت تخصصی ترجمه

❖ تولید اسلاید

www.gamma.app

❖ تولید تصویر

❖ تهیه محتوا از pdf

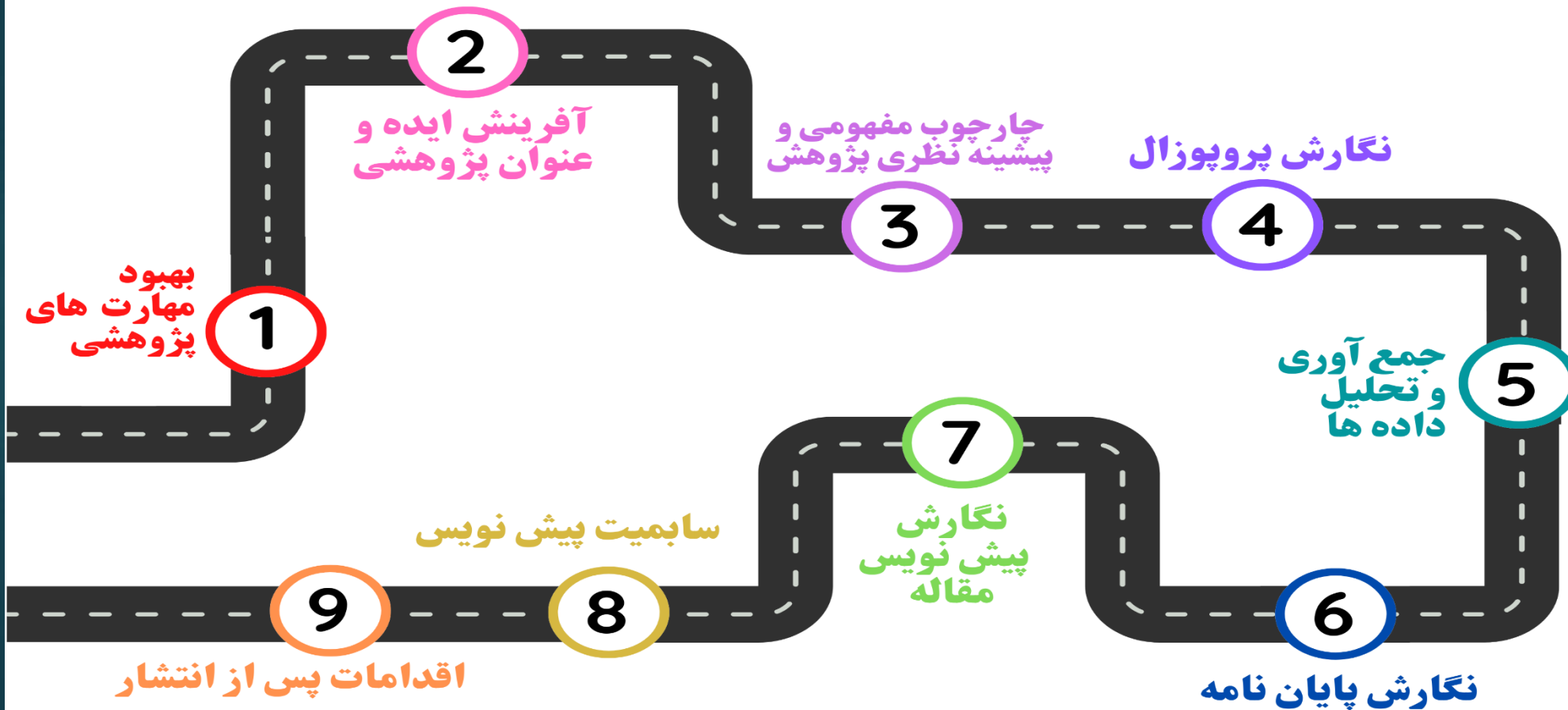
Chat pdf

Chat with pdf

۲- آفرینش ایده و عنوان پژوهشی به کمک هوش مصنوعی

WWW.B2N.IR/10010

پژوهش به کمک هوش مصنوعی



❖ یافتن Trends پژوهشی

❖ یافتن Subject پژوهشی

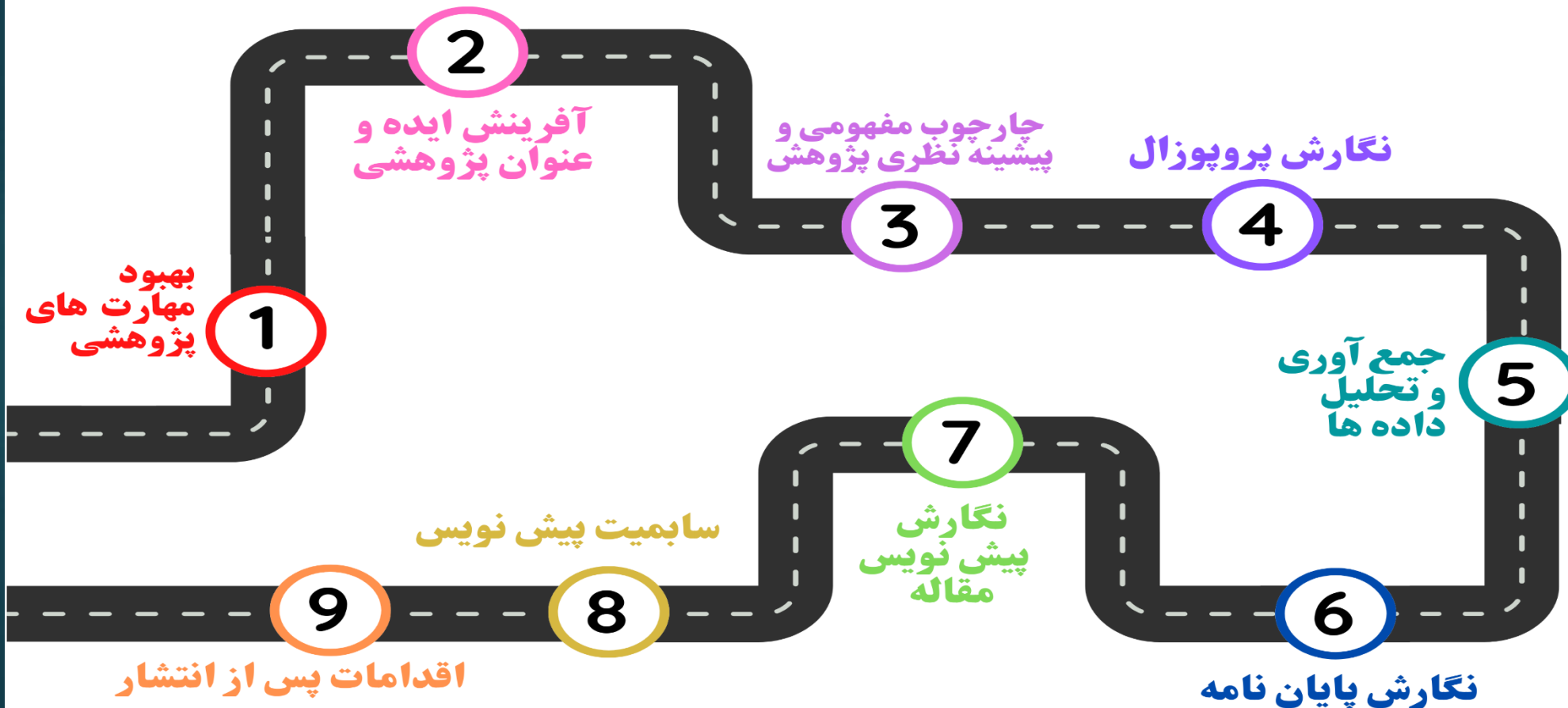
❖ انتخاب Title پژوهشی

❖ سرچ تخصصی

۳- چارچوب مفهومی و پیشینه نظری پژوهش با هوش مصنوعی

WWW.B2N.IR/10010

پژوهش به کمک هوش مصنوعی



❖ چارچوب مفهومی پژوهش

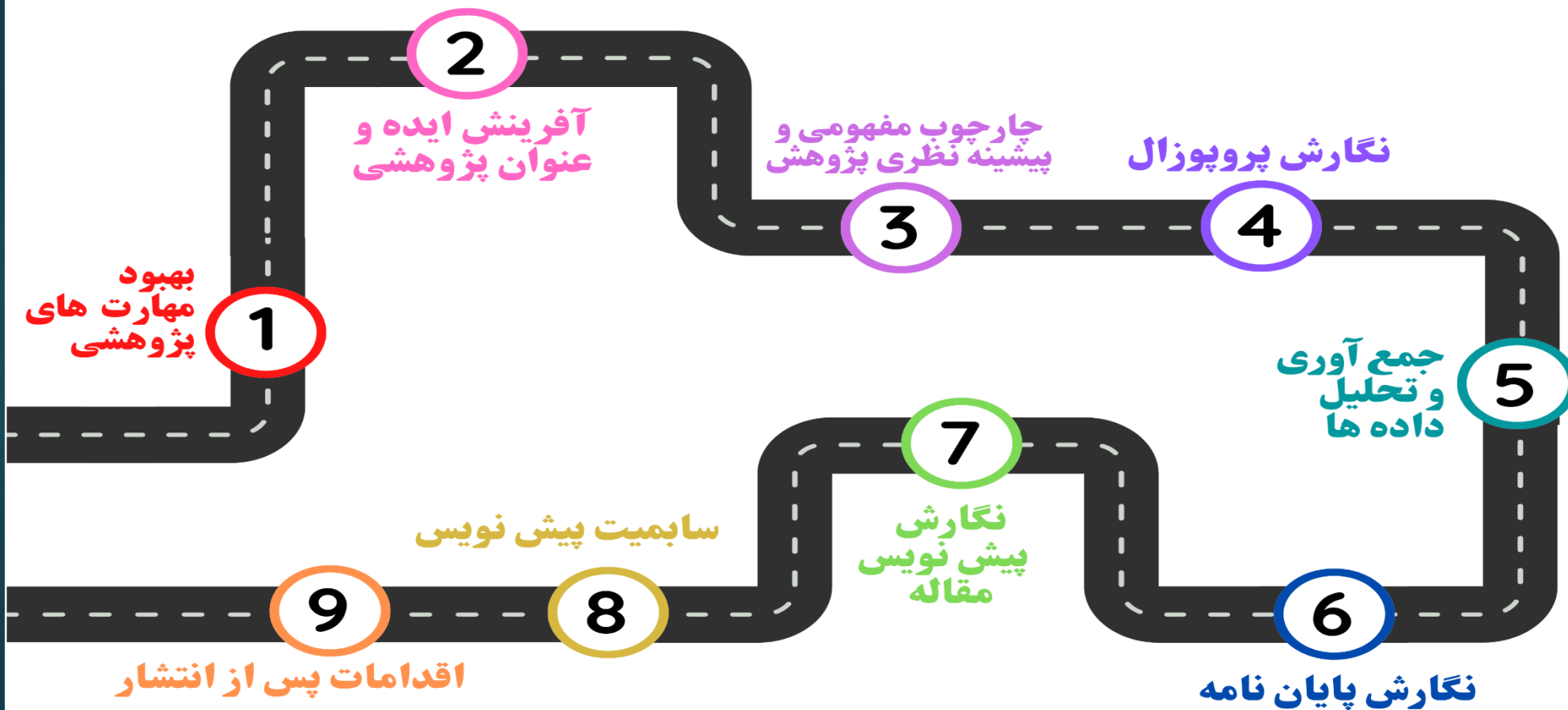
❖ پیشینه نظری پژوهش

❖ سرچ تخصصی

۴- نگارش پروپوزال با هوش مصنوعی

WWW.B2N.IR/10010

پژوهش به کمک هوش مصنوعی

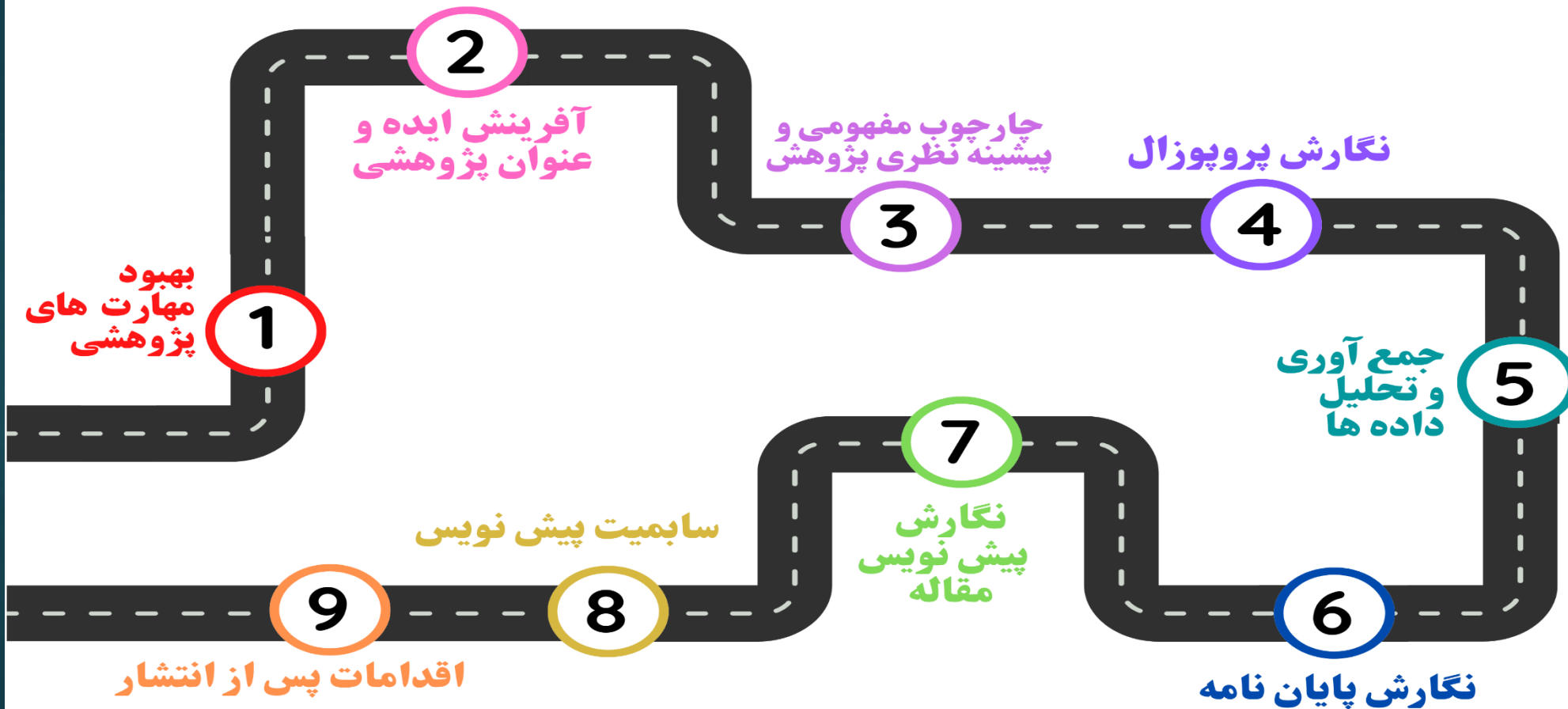


- ❖ انتخاب مقاله مرجع
- ❖ انتخاب دقیق عنوان
- ❖ جدول متغیرها
- ❖ نگارش اهداف، فرضیات و سوالات پژوهش
- ❖ جدول گانت
- ❖ نگارش روش اجرا (جمع آوری داده ها، جامعه آماری و حجم نمونه)
- ❖ بررسی متون (پیشینه پژوهش) و نگارش رفرنس ها
- ❖ بیان مساله

۵- جمع آوری و تحلیل داده ها با هوش مصنوعی

WWW.B2N.IR/10010

پژوهش به کمک هوش مصنوعی



❖ ابزارهای جمع آوری داده ها

❖ روایی / پایایی

❖ مقیاس ها

❖ تحلیل داده های جمع آوری شده

چک لیست

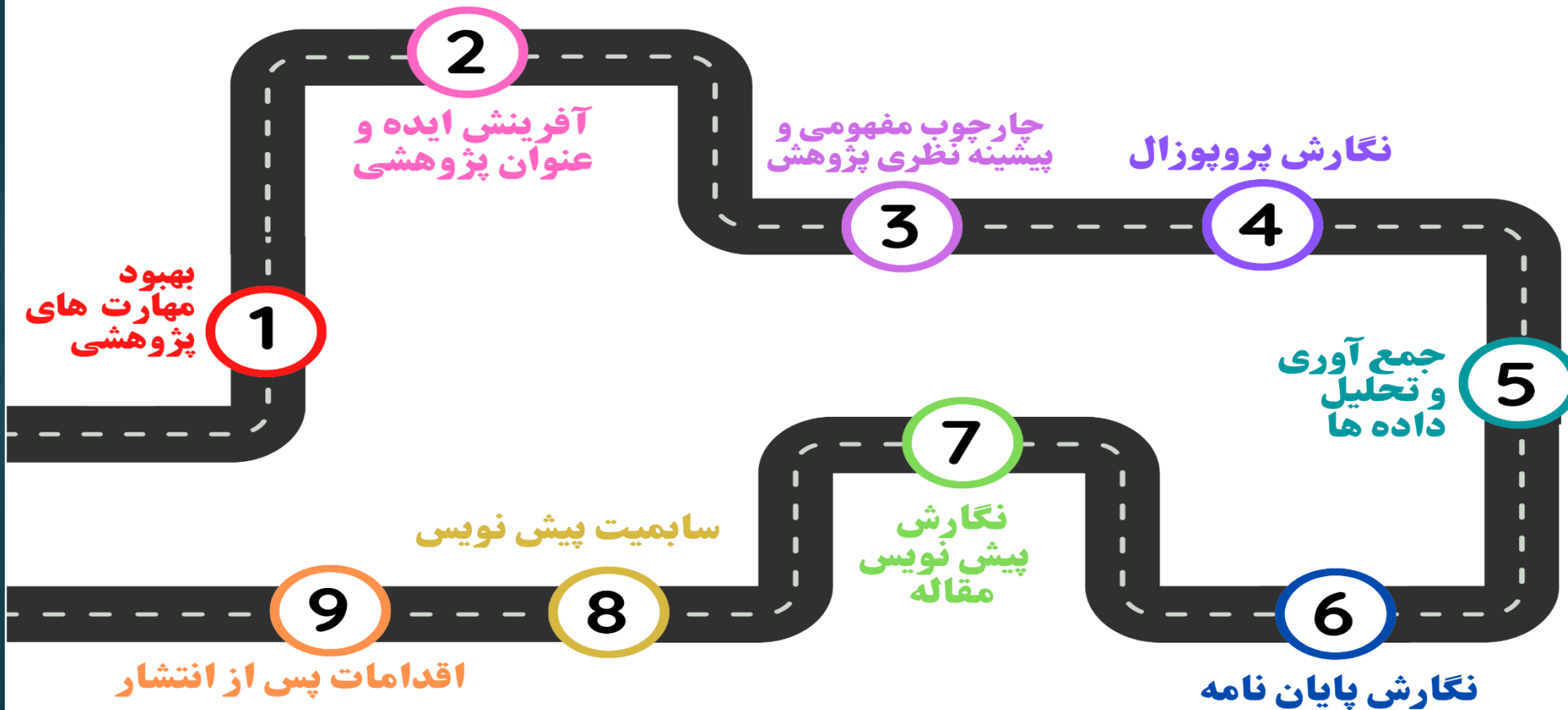
پرسشنامه

مصاحبه

۶- نگارش پایان نامه به کمک هوش مصنوعی

WWW.B2N.IR/10010

پژوهش به کمک هوش مصنوعی

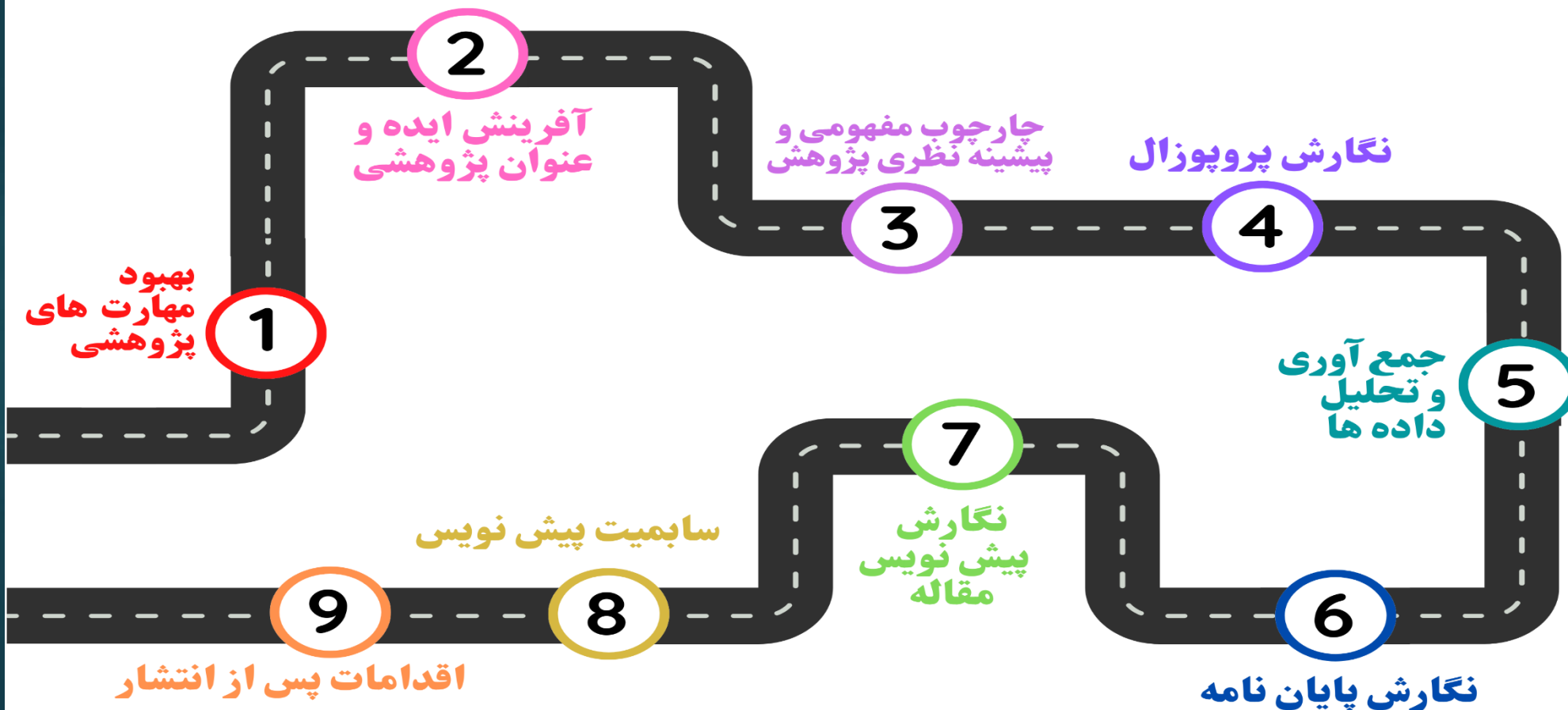


- ▶ فصل سوم
- ▶ آنالیز آماری
- ▶ فصل چهارم
- ▶ فصل دوم
- ▶ فصل اول
- ▶ فصل پنجم
- ▶ چکیده فارسی و انگلیسی
- ▶ تقدیر و تشکر

۷- نگارش پیش نویس مقاله به کمک هوش مصنوعی

WWW.B2N.IR/10010

پژوهش به کمک هوش مصنوعی

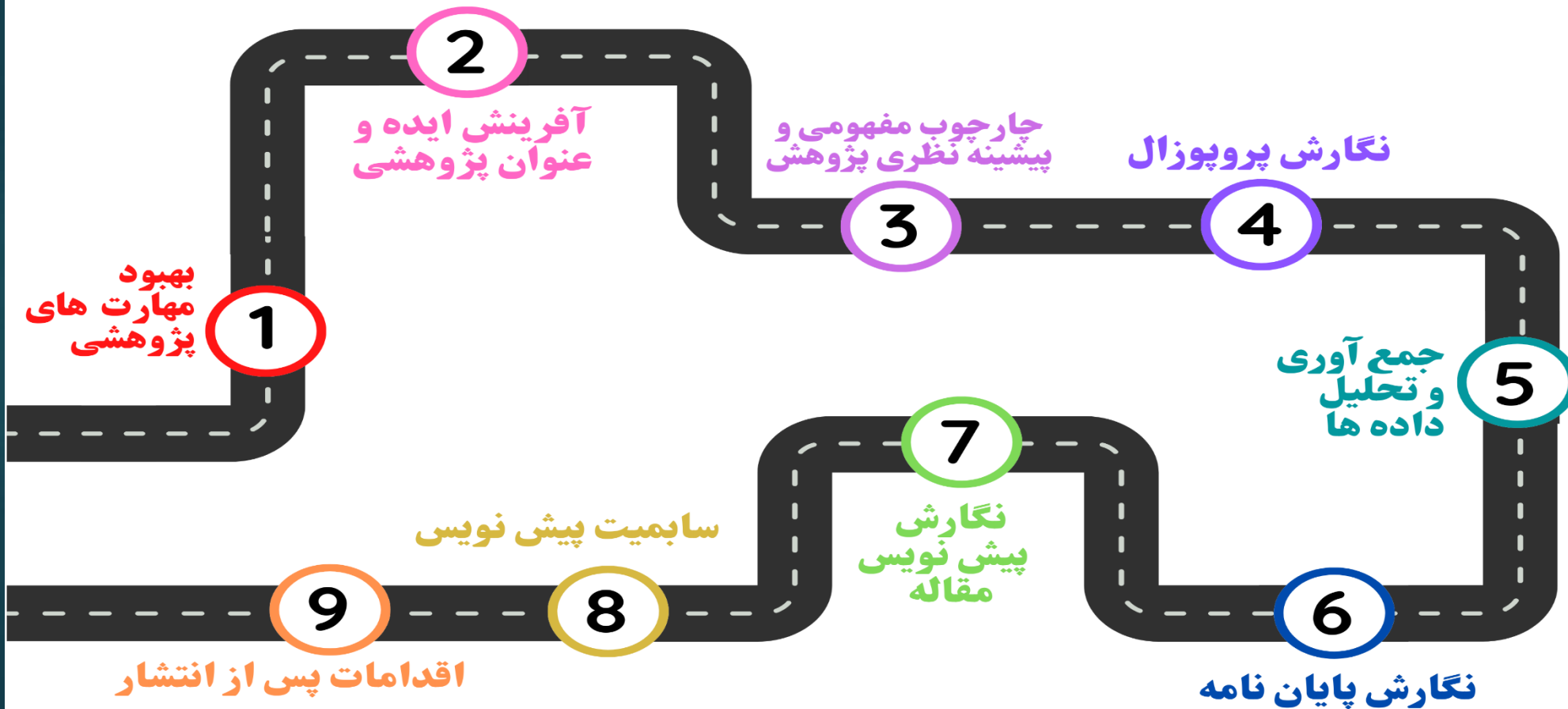


- مواد و روش ها
- آنالیز آماری
- یافته ها
- منابع
- مقدمه
- بحث و نتیجه گیری
- چکیده
- تقدیر و تشکر

۸- سابمیت پیش نویس مقاله به کمک هوش مصنوعی

WWW.B2N.IR/10010

پژوهش به کمک هوش مصنوعی

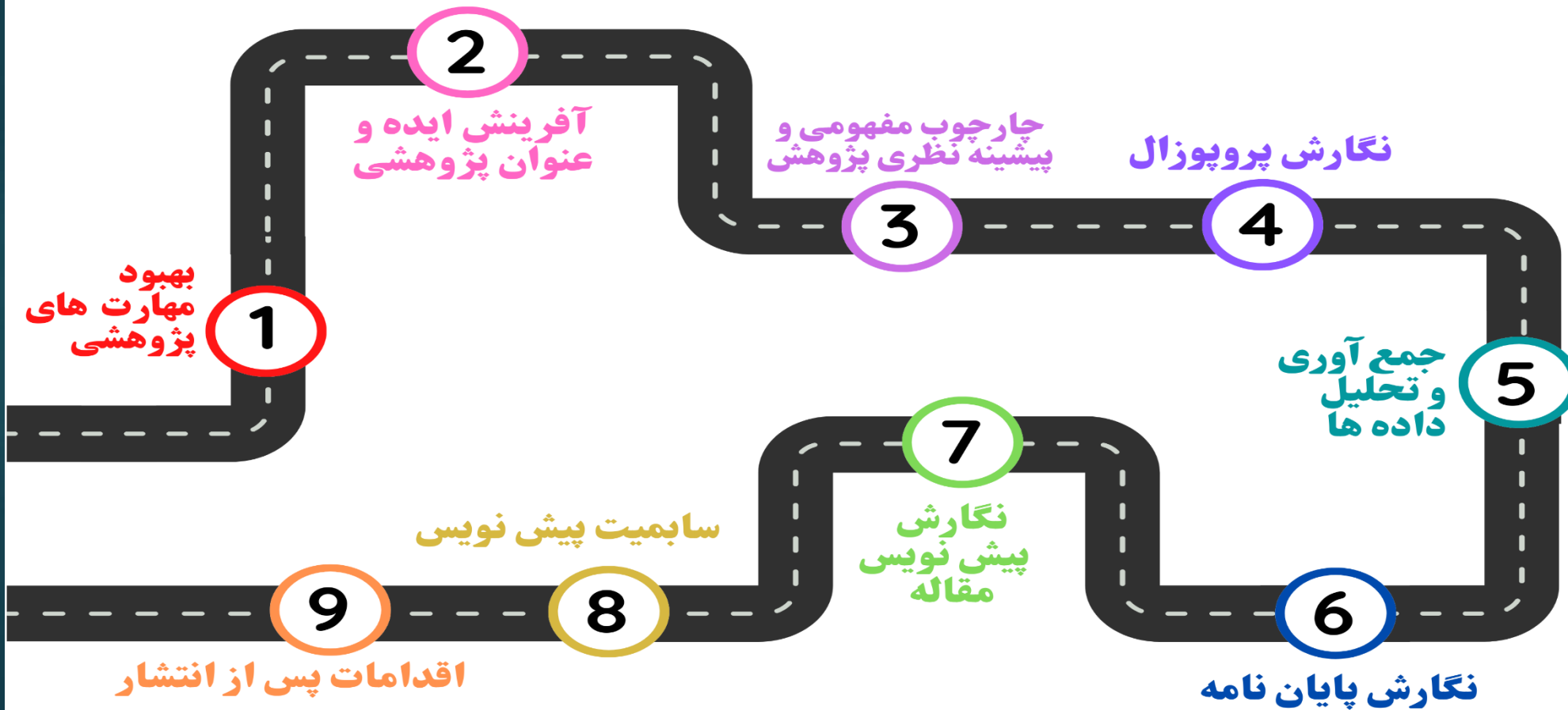


- ❖ پارافرایز
- ❖ چک پلاژیاریسم
- ❖ AI Detector
- ❖ انسانیزه کردن (Huminization)
- ❖ ویرایش پیش نویس و گرامر چکر
- ❖ داوری مقاله به کمک AI
- ❖ ویرایش مقاله بر اساس دستورالعمل مجله
- ❖ پاسخ به نظرات داوران

۹- اقدامات پس از انتشار به کمک هوش مصنوعی

WWW.B2N.IR/10010

پژوهش به کمک هوش مصنوعی



- ❖ تولید اسلاید
- ❖ تولید ویدئو
- ❖ تولید وویس
- ❖ چکیده گرافیکی
- ❖ تعامل با متن
- ❖ آلتمتریک

سایتهای اختصاصی پژوهشی

←

→

↺

typeset.io

🔍

☆

🏠

📁

Visibility

📁

Financial

📁

My Sites

📁

Dream Journal

📁

Search

📁

آموزش مقاله نویسی ...

📁

Bime

📁

Symptom Checker

📁

visibility- Software

📁

Video Abstract

📁

Academic Phraseba...

»

📁

All B

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

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

🔍

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/library/untitled-collection-vyogcw9e/10-1080-0142159x-2024-2341806-1m4i-pdf-16sn8djw?asc=1

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

SCISPACE Papers Get insights from top papers directly Pricing Chat with PDF My Library

Home / My Library / Untitled collection / 10.1080_0142159x.2024.2341806_1m4i.pdf

PDF file Summary NEW

Search Explain math & table 157%

 **Medical Teacher**
Taylor & Francis
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.

Copilot Standard High Quality

Paper Summary Results Practical Implications Dataset used Contributions Literature survey Limitations

Generate summary of this paper, Results of the paper, Conclusions from the p +13 more

Ask any question...

MATH

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

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

SCISPACE

Papers Search or ask a question

Pricing

Chat with PDF

My Library

Home / My Library / Untitled collection / 10.1080_0142159x.2024.2341806_1m4i.pdf

PDF file Summary NEW

Search Explain math & table

157%

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

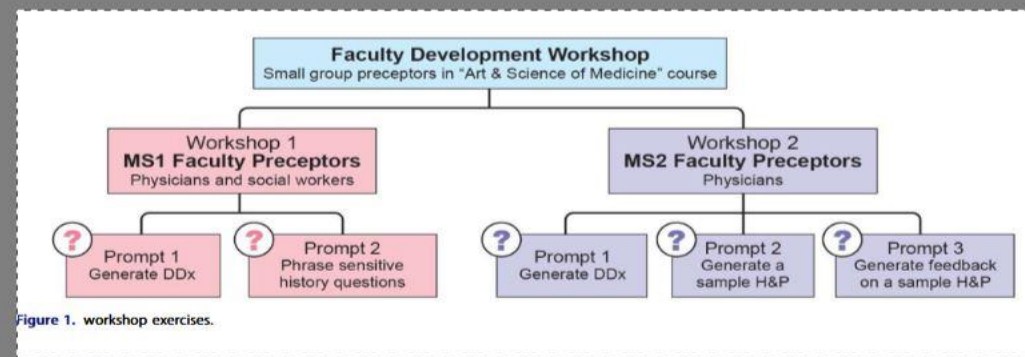


Figure 1. workshop exercises.

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

Copilot

Standard High Quality

Explain the text

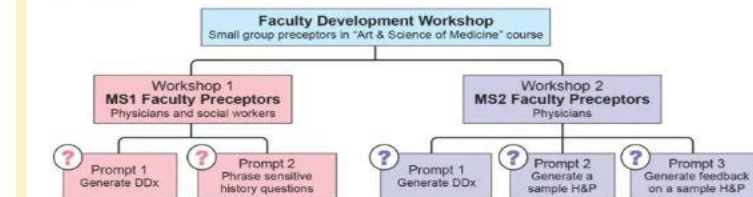


Figure 1. workshop exercises.

1:40 AM

Generate summary of this paper. Results of the paper. Conclusions from the paper

+13 more

Ask any question...

MATH

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

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

SCISPACE

Papers

Search or ask a question

Pricing

Chat with PDF

My Library

Home / My Library / Untitled collection / 10.1080_0142159x.2024.2341806_1m4i.pdf

PDF file Summary NEW

Explain math & table

157%

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

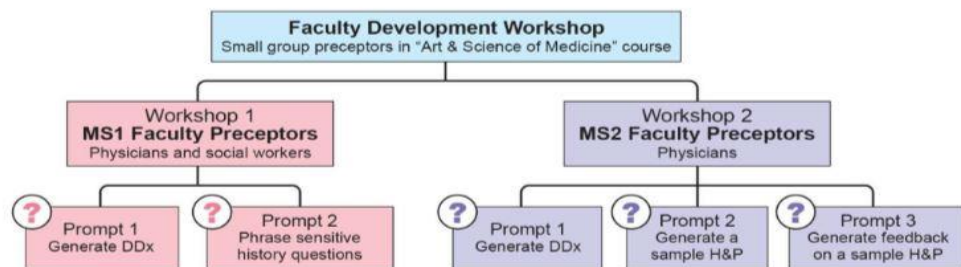


Figure 1. workshop exercises.

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, Select a statement in the PDF to use Copilot Skills Leader in the Art and Science of Medicine Course, Jabn School

Copilot

Standard High Quality

Small group preceptors in "Art & Science of Medicine" course

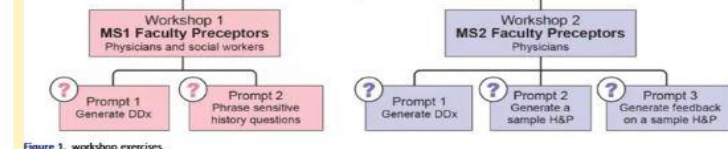


Figure 1. workshop exercises.

1:40 AM

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.

Generate summary of this paper. Results of the paper. Conclusions from the p

+13 more

Ask any question...

MATH

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

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

SCISPACE Papers Search or ask a question Pricing Chat with PDF My Library

Home / My Library / Untitled collection / 10.1080_0142159x.2024.2341806_1m4i.pdf

PDF file Summary NEW

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

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.

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 Pr

Select a statement in the PDF to use Copilot

Copilot

Standard High Quality

و آنچه شرکت کنندگان در طول جلسات انجام دادید 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.
- 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.

Generate summary of this paper, Results of the paper, Conclusions from the | +13 more

Ask any question...

MATH

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

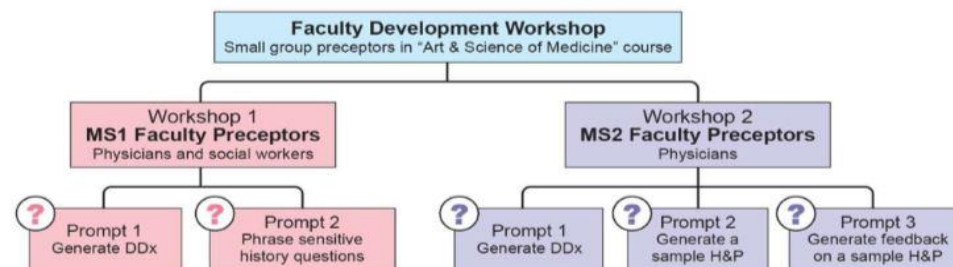


Figure 1. workshop exercises.

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, Select a statement in the PDF to use Copilot Skills Leader in the Art and Science of Medicine Course, Icahn School

- کار در گروه ها یا جفت ها در طول این تمرینات همکاری را تشویق می کند. اعضای هیئت علمی می توانند افکار خود را به اشتراک بگذارند و از تجربیات یکدیگر یاد بگیرند.
- بازخورد و ارزیابی

- Generate summary of this paper
- Results of the paper
- Conclusions from the paper
- Explain Abstract of this paper
- What are the contributions of this paper
- Find Related Papers
- Explain the practical implications of this paper
- Summarise introduction of this paper
- Literature survey of this paper

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

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

SCISPAC

Papers Search or ask a question

Pricing

Chat with PDF

My Library

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

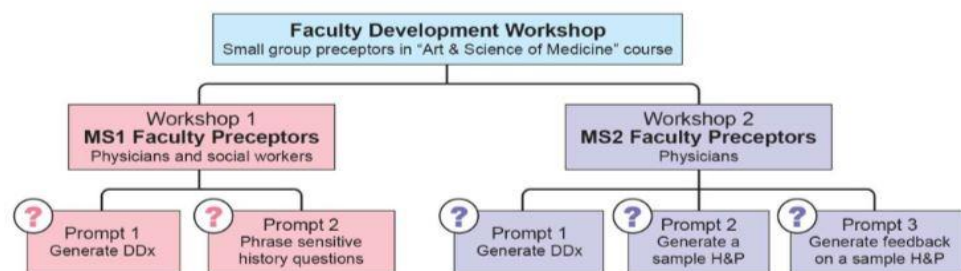


Figure 1. workshop exercises.

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 regarding accuracy of the tool.

While successful, this study has some limitations. The impact of the workshop was assessed primarily based on the self-reported attitudes of participants. It did not include a follow up assessment of behavioural change such as using ChatGPT for educational purposes, following the workshop. Additionally, the study was conducted with a

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 (ISMMS).

Erik Popil, MEd, Senior Instructional Designer, ISMMS.

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

Edie Armstrong, Drexler, MFA, Academic Medical Illustrator, ISMMS.

Copilot

Standard

High Quality

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.

...Read more

1:41 AM

Save to Notebook

Settings

📄 📌 🗑️

Summarise introduction of this paper

1:44 AM

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].

• نیاز به توسعه برنامه درس: در حالی که نیاز شناخته شده به توسعه برنامه درسی در آموزش، هوش، مصنوعی

+13 more

Generate summary of this paper, Results of the paper, Conclusions from the

Ask any question...

Σ MATH

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

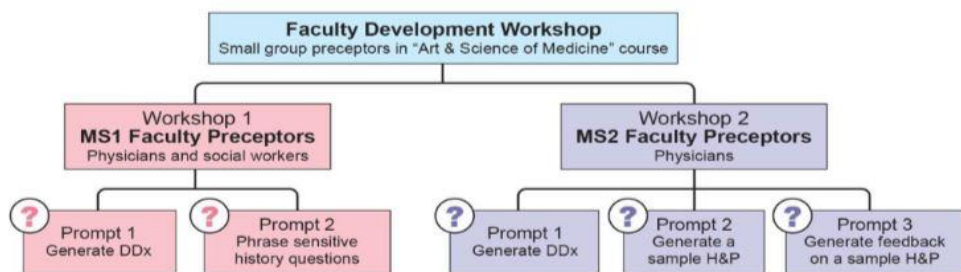


Figure 1. workshop exercises.

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 regarding accuracy of the tool.

While successful, this study has some limitations. The impact of the workshop was assessed primarily based on the self-reported attitudes of participants. It did not include a follow up assessment of behavioural change such as using ChatGPT for educational purposes, following the workshop. Additionally, the study was conducted with a

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 (ISMMS).

Erik Popil, MEd, Senior Instructional Designer, ISMMS.

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

Julie Armstrong-Gardner, MA, Academic Medical Illustrator, ISMMS.

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].
- نیاز به توسعه برنامه درس: در حالی که نیاز شناخته شده به توسعه برنامه درسی در آموزش هوش مصنوعی وجود دارد، هنوز توافقی در مورد روش های تحویل موثر وجود ندارد و تعداد کمی از برنامه های برنامه درسی [1]. آزمایشی در ادبیات مستند شده است
- 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 سوالات امتحان تمرینی و شبیه سازی تعامل بیمار [1] است.
- 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 راهنمایی کنند [1].
- تمرکز بر توسعه دانشکده: در حالی که تدوین برنامه درسی برای دانشجویان مهم است، تأکید کمتری بر توسعه اساتید در ادبیات وجود دارد. هدف این پروژه رفع این شکاف با تمرکز بر توسعه دانشکده در مورد کاربردهای هوش مصنوعی مولد در آموزش پزشکی [1] است
- هدف پروژه: هدف اصلی این پروژه توسعه، آزمایشی و ارزیابی یک کارگاه توسعه اساتید در موسسه، به طور

Generate summary of this paper. Results of the paper. Conclusions from the |

+13 more ▾

Ask any question...

Σ MATH

➤

amongst faculty regarding the accuracy or, 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

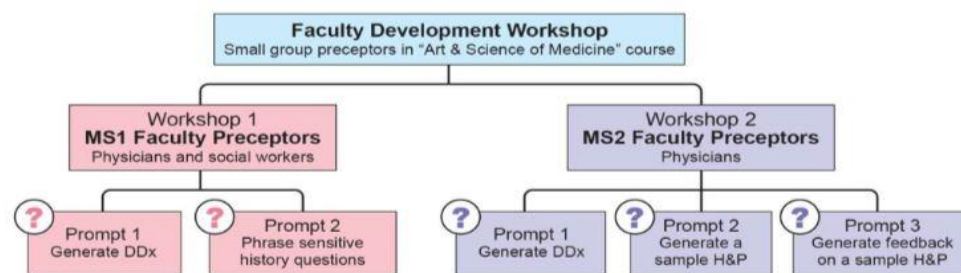


Figure 1. workshop exercises.

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 regarding accuracy of the tool.

While successful, this study has some limitations. The impact of the workshop was assessed primarily based on the self-reported attitudes of participants. It did not include a follow up assessment of behavioural change such as using ChatGPT for educational purposes, following the workshop. Additionally, the study was conducted with a

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 (ISMS).

Erik Popil, MEd, Senior Instructional Designer, ISMS.

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

Michelle Armstrong-Bouler, MEd, Academic Medical Illustrator, ISMS.

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

- تمرکز بر توسعه دانشکده: در حالی که تدوین برنامه درسی برای دانشجویان مهم است، تأکید کمتری بر توسعه اساتید در ادبیات وجود دارد. هدف این پروژه رفع این شکاف با تمرکز بر توسعه دانشکده در مورد کاربردهای هوش مصنوعی مولد در آموزش پزشکی [1] است.
- 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

- چه برنامه های هوش مصنوعی خاصی برجسته شد؟
- بازخورد شرکت کنندگان چگونه با جزئیات تجزیه و تحلیل شد؟
- مطرح شد؟ ChatGPT چه نگرانی هایی در مورد استفاده از.

1 Source

1:44 AM

Save to Notebook Settings

Generate summary of this paper, Results of the paper, Conclusions from the p

+13 more

Ask any question...

MATH

Perplexity.ai

60

The screenshot shows the Perplexity.ai website in a web browser. The browser's address bar displays 'perplexity.ai'. The website's header includes the Perplexity logo and a search bar with the placeholder text 'Ask anything...'. Below the search bar, there are two red stars marking the 'Focus' and 'Attach' buttons. To the right of the search bar, there is a 'Copilot' toggle switch, also marked with a red star. The left sidebar contains a list of search results, including 'interleukin beta covi...', 'nanomedicine...', 'scrap learning', 'shoulder dislocation...', 'medical education', and 'scarp learn'. The footer of the website features links for 'Try Pro', 'Careers', 'Playground', and 'Blog'.

perplexity

New... Ctrl I

Q Home

Discover

Library

interleukin beta covi...

nanomedicine...

scrap learning

scrap learning

shoulder dislocation...

medical education

medical education

scarp learn

Ask anything...

Focus Attach

Copilot

Try Pro Careers Playground Blog



elmpajoo Academic

+ Collection / Untitled



Share

New...

Ctrl I

Q Home

Discover

Library

medical education

interleukin beta covi...

nanomedicine...

scrap learning

scrap learning

shoulder dislocation...

medical education

medical education



medical education

✧ Copilot



What specific aspects of medical education are you interested in?

☐ Undergraduate☐ Postgraduate☐ Continuing Medical Education

If other, please input the aspects of medical education

e.g., curriculum, assessment

Send

⚡ Skip questions and read the answer

Skip





elpajoooh Academic

+ Collection / Untitled

... Share

Sources

Engaging
community...

nih · 1

Call for Action:
Undergraduate...

nih · 2

Challenges and
innovations in...

semanticsc... · 3

View 22 more

Search Images +

Search Videos +

PRO Generate Image +

Answer

Medical education is a broad field that encompasses various aspects of teaching and learning related to medicine. Undergraduate medical education (UME) refers to the education of medical students before they enter residency training. There are several aspects of UME that are of interest to medical educators and researchers. One area of focus is community engagement, which involves involving community organizations in the curriculum renewal process ¹. Another area of interest is the integration of medical education with other fields, such as public health and social sciences. This integration can help to address the complex challenges presented to UME, with lost opportunities for clinical exposure



Ask follow-up...



Copilot



Explore connected papers in a visual graph

To start, enter a paper identifier



Search by keywords, paper title, DOI or another identifier

Build a graph

You can try:



Paper DOI



arXiv
Paper URL



Paper Title



Semantic Scholar
Paper URL



PubMed
Paper URL

Medical Research Council trial of treatment of hypertension in older adults: principal results.

Prior works

Derivative works

List view

Filters

More

Origin paper

Medical Research Council trial of treatment of hypertension in older adults: principal...

S. Peart, J. BrennanP, P. Broughton, C. Doller... 1992

Morbidity and mortality in the Swedish Trial in Old Patients with Hypertension (STOP-...

B. Dahlöf, L. Hansson, L. Lindholm, B.... 1991

Randomised trial of treatment of hypertension in elderly patients in primary...

J. Coope, T. Warrender 1986

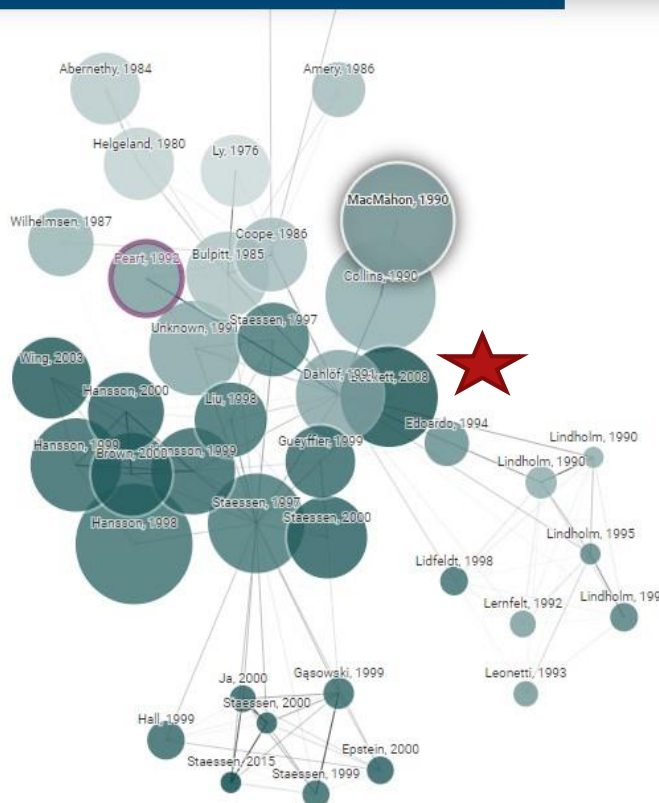
Mortality and Morbidity Results from the European Working Party on High Blood...

C. Bulpitt 1985

Prevention of stroke by antihypertensive drug treatment in older persons with...

1991

Hypertension and ageing.



Blood pressure, stroke, and coronary heart disease Part 1, prolonged differences in blood pressure: prospective observational studies corrected for the regression dilution bias

S. MacMahon + 8 authors J. Stamler

1990, The Lancet

4522 Citations

Open in:



Open graph + Add origin

S2 TL;DR: The DBP results suggest that for the large majority of individuals, whether conventionally "hypertensive" or "normotensive", a lower blood pressure should eventually confer a lower risk of vascular disease.



Sponsored by Azure

1976

2015

www.semanticscholar.org

65



SEMANTIC SCHOLAR

A free, AI-powered research tool for scientific literature

Search 218,678,780 papers from all fields of science

Search 🔍

Try: [Sharad Chari](#) • [Price Index](#) • [Reinforcement Learning](#)

New & Improved API for Developers



About 68,800 results for “emergency medicine chatgpt”

Fields of Study ▾

Date Range ▾

Has PDF

Author ▾

Journals & Conferences ▾

Sort by Relevance ▾



ChatGPT and Generating a Differential Diagnosis Early in an Emergency Department...

Hidde Ten Berg

Bram van Bakel

+6 authors

S. Kurstjens

Medicine · [Annals of Emergency Medicine](#) ·

1 September 2023



15



PubMed



Save



Cite

Comparison of the problem-solving performance of ChatGPT-3.5, ChatGPT-4, Bing Chat, an...

Go Un Lee

D. Hong

+4 authors

K. Lee

Medicine, Computer Science · [Medicine](#) · 1 March 2024

PDF



PubMed



Save



Cite

ChatGPT: A Valuable Tool for Emergency Medical Assistance.

J. Dahdah

Joseph Kassab

Michel Chedid El Helou

Andrew Gaballa

S. Sayles

M. Phelan

Medicine · [Annals of Emergency Medicine](#) · 1 June 2023

10



PDF



PubMed



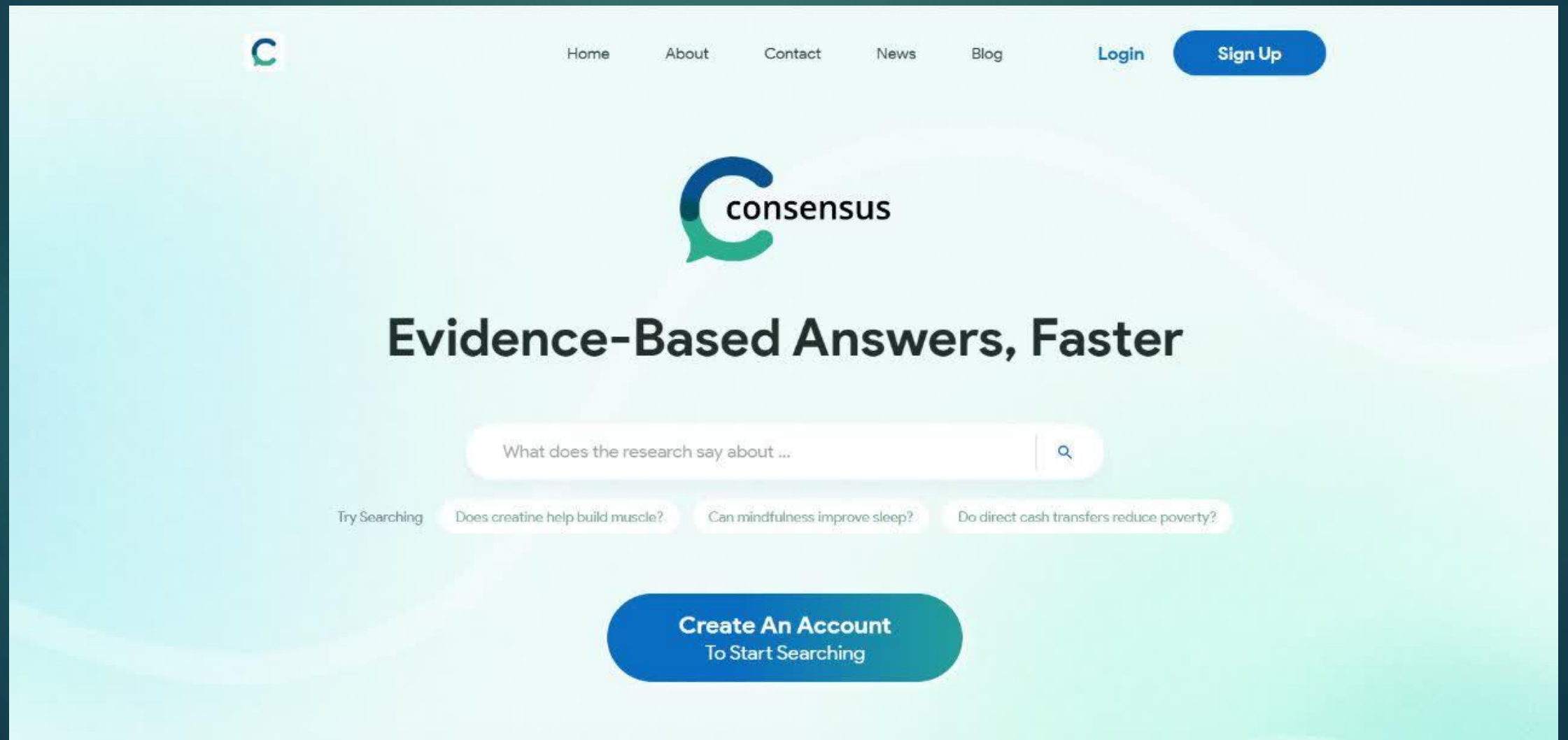
Save



Cite

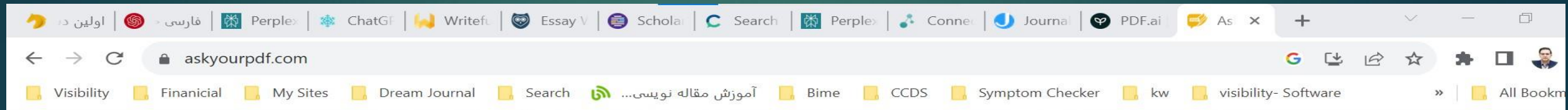
<https://consensus.app>

67



Askyourpdf.com

68



Home

Conversations

Pricing

Extension

Download

API

EN ↓

Start For Free >

Get Our Plugin Install directly on ChatGPT →

It's not just reading anymore, it's a **conversation**

Say hello to documents that respond to you! With AskYourPDF, your reading isn't just simple, it's fun!

Upload Document

Supported formats

PDF

TXT

PPT

PPTX

EPUB

RTF

20

<>

↶

↷

New

✂

?

⚙

👤

→

ASKYOURPDF Pro

×

Search for conversation

🔍

+New Conversation

TODAY

1553-10796-1-PB

The article discusses the concept patterns o...

PAST 30 DAYS

The challenge of cognitive science

The article discusses the impact of cognitive ...

Cureus-0015-00000044316

The article "ChatGPT in Medical Education a...

ljerph-20-03378

This article discusses a pilot study that evalua...

Stéfan J. Darmoni, Philippe Massari, ...

The study discusses the functional evaluation...

Soto, R. J.

TOXPART is an expert system used for risk as...

AskYourPDF

⚡ Default

✦ GPT-4

🅐 Claude

🅐 Claude 2

EN ↓

📁 My Documents

⋮

Ask me about 1553-10796-1-PB.pdf. [View Doc](#)

LETTER TO EDITOR

Received 2019-03-18

Revised 2019-03-25

Accepted 2019-04-05

GMJ.2019;8:e1553

www.gmj.ir

What Human Concepts We Learn From
Emergency Medicine Practice

Maryam Massaeli¹, Masoud Shahabian¹

¹Emergency Medicine Department, AJA University of Medical Sciences, Tehran, Iran

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].

A Judge in ED

your document. The document you have uploaded discusses the importance of leadership skills for emergency physicians in managing operational issues affecting patients, crews, nurses, and wards, as well as improving patient safety in high-risk healthcare settings. It emphasizes the need for emergency physicians to function as team leaders and managers, and to increase awareness of employing human factors in emergency medicine practice.

Possible questions you can ask me:

- What are the key leadership skills highlighted in the document for emergency physicians?
- How does the article suggest improving patient safety in high-risk healthcare settings?
- What are the human factors that emergency physicians need to be aware of in their practice?

Please feel free to ask me a question about the document!

📄 📄 📄

07:27 PM

👍

Ask any question about your document

📁

🔍

🔍

🔍

Page 1 of 2

0 / 2000

Quillbot.com

70

 **QuillBot**

Paraphraser

 Upgrade to Premium

 Paraphraser

 Grammar Checker

 QuillBot Flow

 Plagiarism Checker

 Summarizer

 Translator

 Citation Generator

 QuillBot Premium

 QuillBot for Chrome



English (US)

French

Spanish

German

All ▾

Modes:

Standard

Fluency

Formal

Academic

Simple

Creative

Expand

Shorten

Custom

Synonyms: 

 Add to Chrome

To rewrite text, enter or paste it here and press "Paraphrase."


Paste Text

 Upload Doc

Paraphrase

History

Compare Modes

Statistics

Tone

Settings

Feedback

Hotkeys

Premium benefits



Grammar Checker

 Upgrade to Premium

English (US)

German

French

Spanish



16px

Open sans

B

I

U

A



>> Hide Assistant

Paraphraser

Grammar
Checker

QuillBot Flow

Plagiarism
Checker

Summarizer



Translator

Citation
Generator

tiny

Start by writing, pasting (Ctrl + V) text, or uploading a document (doc, pdf).



Paste Text



Upload Document

All 0

Grammar 0

Sentence suggestions 0

**Nothing to check yet!**

Start writing or pasting something
in the editor to begin.

QuillBot's Plagiarism Checker

[Upgrade to start](#)

29

RESULTS FOUND



- Identical
- Minor Changes
- Omitted Words

73%
MATCH[See Alerts](#)

There are billions of galaxies filled with billions of stars. Each star has the potential to have planets orbiting it. Does life exist on some of those planets? In this module, students discover how scientists find planets and other astronomical bodies through the wobble (also known as Doppler spectroscopy or radial-velocity) and transit methods. Students compare zones of habitability around different star types, discovering the zone of liquid water possibility around each star type. Finally, students explore how scientists use spectroscopy to learn about atmospheres on distant planets.

first is to study the effects of exposure to microgravity on biological systems to reduce the risks of manned space flight. The second is to use the microgravity environment to broaden

RESULTS (20)

Galaxy | Wikipedia.org

<https://en.wikipedia.org/wiki/Galaxy>[Skip to content...](#)

46% Similar words

Space - High Adventure Science:
Is there lie in space? |
Wikipedia.org

QuillBot for Chrome

Write like a pro, everywhere you write.

 Add to Chrome. It's free!Modes: Paragraph Bullet Points Summary Length: Short  Long

Enter or paste your text and press "Summarize."

 Paste Text Upload Doc

Summarize

0 sentences • 0 words

 Paraphraser Grammar
Checker QuillBot Flow Plagiarism
Checker Summarizer Translator Citation
Generator QuillBot
Premium



Paraphraser

Grammar
Checker

QuillBot Flow

Plagiarism
Checker

Summarizer



Translator

Citation
GeneratorQuillBot
Premium

English ▾



Persian ▾

Enter text



Paste Text

 **QuillBot**

Citation Generator

Upgrade to Premium

 Paraphraser

 Grammar Checker

 QuillBot Flow

 Plagiarism Checker

 Summarizer

 Translator

 Citation Generator

 QuillBot Premium

 QuillBot for Chrome

Create list

New Folder

New List

Webpage

Journal Article

Book

More Types

Cite Manually

Enter or Paste the URL

Cite

New List

APA: American Psychological Association 7... ▾

Sources (0)



No citation(s) were found. Create a new citation.

داوری مقالات (بررسی قبل از سایمیت)

www.penelope.ai

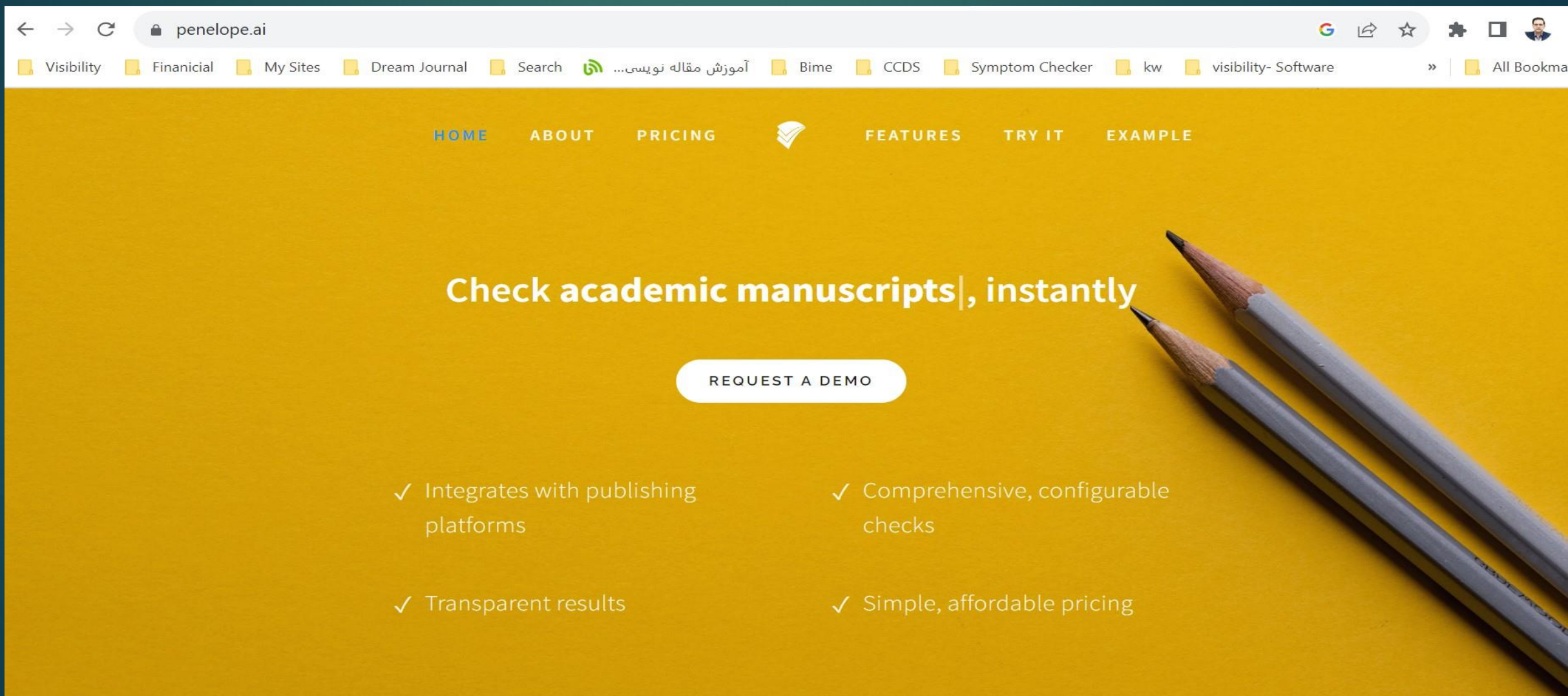
<https://researcher.life/>

www.angryreviewer.com

www.authorone.ai

www.penelope.ai

77



https://researcher.life/

78

Researcher.Life

Benefits

Pricing

Sign in

Subscribe

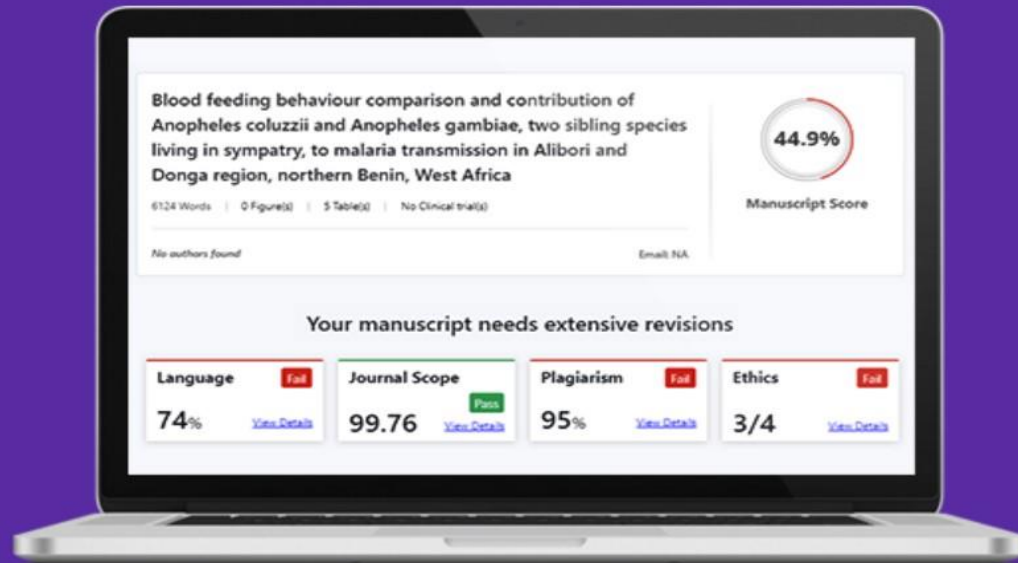
Everything a **researcher** needs. All in one place.

From Academic Writing to Publication, Research Discovery to Research Promotion and Impact.
Get multi X the power of ChatGPT, trust of industry experts, support of research community and much more.

Choose Plans

Explore Benefits

↗ 25,000+ researchers have subscribed to Researcher.Life products



Get your paper submission-ready!

With over 60 checks, AuthorONE makes sure your manuscript is publication ready, instantly!

Get published with just one submission!

[Get Started. It's Free!](#)

[View Sample Report](#)

 **Angry Reviewer**

Corrector Rules About

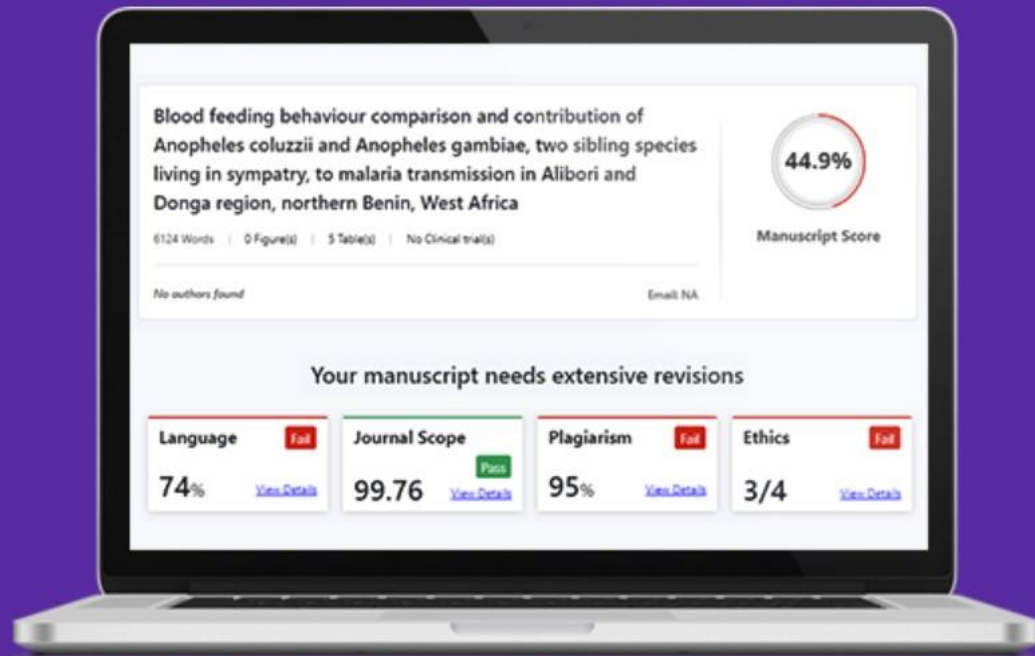
Free academic style corrector for modern scientific writing. To get style suggestion for your abstracts, papers, theses, and applications, paste the text below:

Despite the fact that quantity of new scientific output clearly increased significantly in the past years, it is known that the quality of academic writing has been declining as never before. Click the button below to check this text!

Check

American English ▾

We also have plugins for: [Vim](#), [LibreOffice](#), and [Obsidian](#)



Get your paper submission-ready!

With over 60 checks, AuthorONE makes sure your manuscript is publication ready, instantly!

Get published with just one submission!

[Get Started. It's Free!](#)[View Sample Report](#)

چک پلاژیاریسم

82

Grammarly.com

Originality.ai

plagiarismdetector.net

quillbot.com

ithenticate.com

contentdetector.ai

VisibilityFinancialMy SitesDream JournalSearchآموزش مقاله نویسی...BimeCCDSSymptom Checkerkwvisibility- SoftwareAll Bookmarks

CONTENTDETECTOR.AIArticlesChatwithPDFLogin

AI Detector | AI Content Detector | ChatGPT & AI Checker

H1H2H3PB/

Type or paste text here (above 250 words for better accuracy) or try out some examples: [Human](#) | [AI](#).
Currently detection is available only in English.

How Artificial is Your Content

%

Probability Score

We use cookies to ensure that we give you the best experience on our website.

AcceptDecline

t: 0

CopyClear

Generative AI assistance for any writing challenge [Try It for Free →](#)



Why Grammarly ▾

For Work ▾

For Education ▾

Compare Plans

Tools & Guides ▾

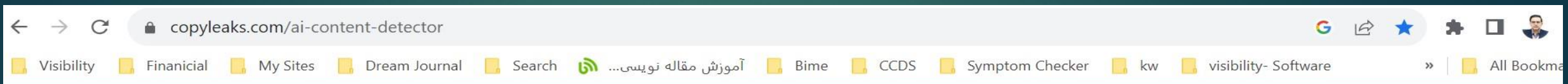
Log in

[Get Grammarly It's free](#)

Plagiarism Checker by Grammarly

Grammarly's plagiarism checker detects plagiarism in your text and checks for other writing issues.

Enter text or upload file to check for plagiarism and writing errors.



Copyleaks was validated as the **most accurate AI content detector** in a recent study. [Learn more](#)



AI Content Detection ▾

Plagiarism Detection ▾

Gen AI Governance

AI Grader

Pricing

Resources ▾

[Login](#)

[Get Started](#)

[Home](#) > AI Content Detector

AI Content Detector

The Only Enterprise AI Content Detection Solution

Paste your content below, and we'll tell you if any of it has been AI-generated within seconds with exceptional accuracy.

Examples:

[GPT4](#) [ChatGPT](#) [Bard](#) [Human](#) [AI + Human](#)

Model: Basic ▾

Enter text here...

 [Install Chrome Extension](#) ×

Unlock Enhanced Features:

-  Detection in Multiple Languages
-  Faster Results
-  More Text Capacity
-  Priority Support

https://plagiarismdetector.net/

86



Plagiarism Checker

Paraphrasing Tool

Tools ▾

AI Detector

New

English - EN ▾

Premium

Login



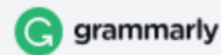
Instant Grammar
Checker



Try Now

Plagiarism Checker

A completely free and accurate online plagiarism detector.
Simply copy and paste to detect copied content.



Great Writing,
Simplified



ابزارهای پارافرایز کردن

x.writefull.com

Quillbot.com

ef-n-write.com

trinka.al

Chat bot

[Create an account](#) It's free

Writefull X Home

Title Generator

Abstract Generator

Paraphraser

Academizer

GPT Detector

We are hiring

Drop us an email at careers@writefull.com linking to your previous work and telling us how you can help make Writefull even better.

Writefull X

Where AI Academic Writing

At Writefull, we love to experiment with AI to help academic writing.
This is the place where we publish some of our experiments.

Most of these widgets are also available in Writefull for Word or for Overleaf.

[Request API access](#) to use these services programmatically.



Title Generator

Enter your abstract and get a title.



Abstract Generator

Enter your text and get an abstract.

دستورات چت بات برای پارافرایز

به عنوان یک "ویراستار آکادمیک" متن زیر را با رعایت شرایط زیر پارافرایز کن

رعایت زبان رسمی

رعایت اصل خوانایی

رعایت اصل شیوایی

رعایت اصول نگارش آکادمیک

کلمات کلیدی تغییر نکند

با سپاس از شکیبایی شما
مسعود شهابیان
دی ۱۴۰۳

سایت آکادمی چت بات ها www.chatbot-academy.ir

elmpajoooh@yahoo.com

09325100800 پیامک