RTIFICIAL INTELLIGENCE TO TRANSFOR

ION **AUTO**





Kasisto





@Hronocom

Orbital Insight pilotai

aptricity GROKSTYLE

logz.io



Numenta











Mmode.ai

EMERGENT TOPICS IN PHYSIOTHERAPY



Generative AI tools in Healthcare Education and Research

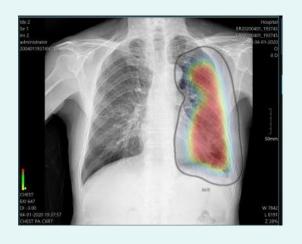
Pedro Chana Valero António Alves Lopes Jeroen Alessi Margarida Jardim

"At the very least, AI is interesting."

There's never been something similar.







"Al is here to stay and we need to talk about it".

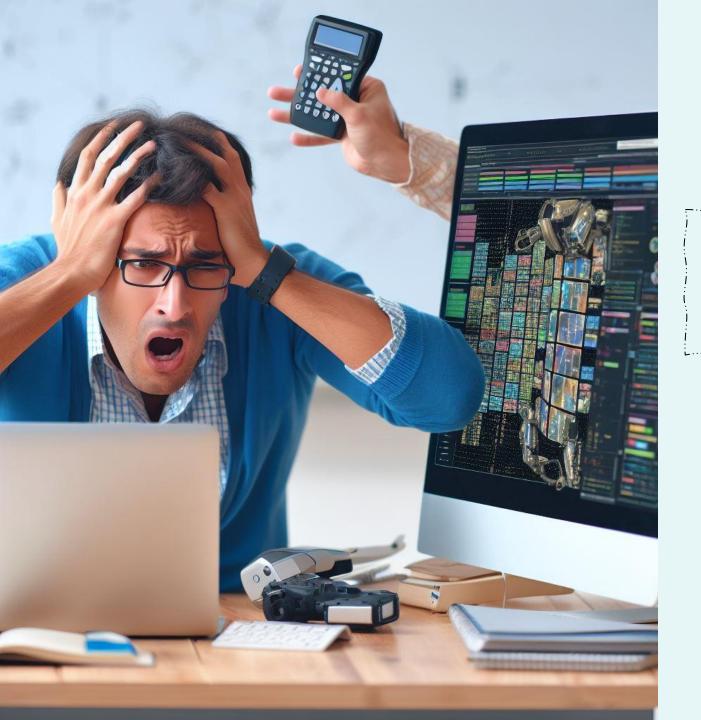
"Healthcare people might not know they love Alunless we talk about and we experience with it"











Prompt: Create an image of a teacher struggling in a generative Al hands on workshop.



Prompt: Create an image of a teacher enjoying and having the best time of their lives in a generative AI hands on workshop.





STATEMENT 3 (The weakness of tools)

"Generative AI is a tool."

"You can choose to equip yourself with the tools that you need"

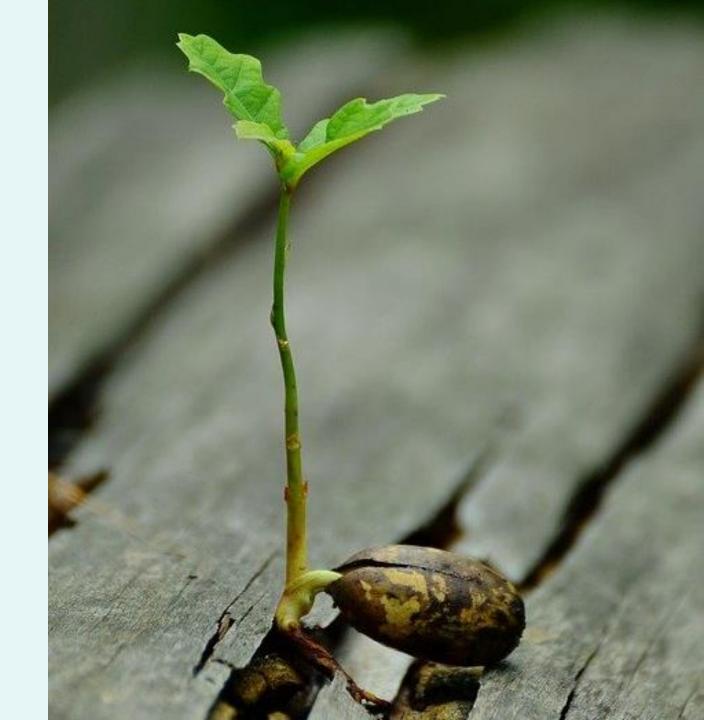
"But remember, they are an extension. You are whole, with or without them".

"Education is a deeply human act rooted in social education.

"Al can help teachers to do what they have to do"

SURVIVE AND THRIVE

How we think about learning and what it means





¿HOW TO APPROACH?

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HOW TO APPROACH

Embrace:

- ✓ Productivity for teachers (Heavy lifting).
- ✓ Advisory and orientation (Student learning needs):
 - Online tutoring, facilitate learning.

Innovation with ethics:

- ✓ All or any other technology won't take the place of teachers, but it will change the way we teach:
 - Tools change.
 - What we evaluate changes (need to assess the process).

HOW TO APPROACH

We need, as educators, to set our own rules. We need Guidance.

"We don't necessarily have the answers, but we need to have a curated set of resources for faculty to look at. We need to make sure that our students have a sense of how AI could be relevant for the course".

LINK TO AI TOOL KIT



GENERATIVE AI HANDS ON!

READ-THINK-VERIFY-SHARE

READY - FIRE - AIM



Wifi: Kampus Password: Hybernska



PRODUCTIVITY!

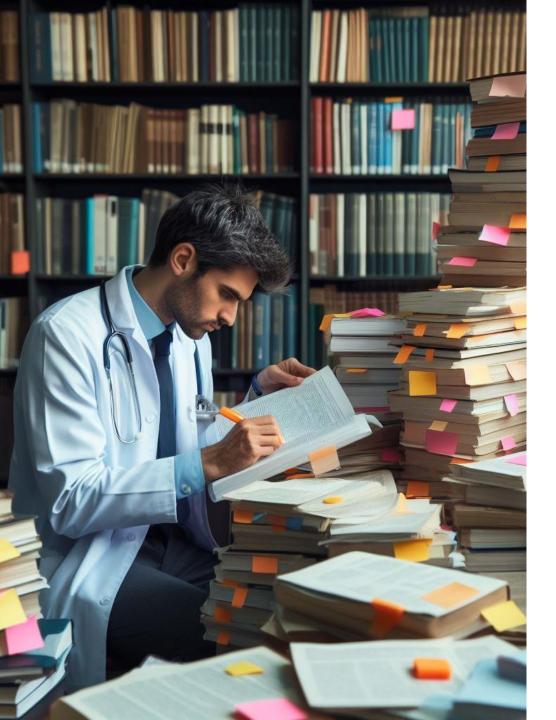
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SEARCH FOR CLINICAL EVIDENCE!

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Chat with abstracts

Ask any question about clinical evidence to all of PubMed's abstracts.

HOW DOES IT WORK?

SEARCH Q

Al Based Search for Medical Evidence Pub Med Ev⁹denceHunt VS Manual Search Al Based Search 1. Takes a Question 2. Al Finds 100s of Papers 3. Ranks by Relevance 4. Identifies Top Papers 5. Answer with references Question: 'How effective is PrimaVie Shilajit?' Answer: According to a study, 8 weeks of PrimaVie Shilajit supplementation at 500mg/d led to significantly less reduction in maximum voluntary isokinetic contraction (MVIC) compared to placebo and lower dose groups in the upper 50th percentile group. In addition, the adjusted mean post-supplementatio (pmid: 30728074) significantly higher in the high dose groups. (pmid: 30728074) Another study showed that purified Shilajit significantly

Login form	
•	email
	password
	LOGIN
	Register if you don't have an account.
	Or reset if you forgot your password.
_	



Evidence-Based Answers, Faster

Consensus is a search engine that uses AI to find insights in research papers

Ask a research question...

Q

Does creatine help build muscle?

Can mindfulness improve sleep?

Do direct cash transfers reduce poverty?



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

X

arXiv Paper URL



Paper Title



Semantic Scholar Paper URL



PubMed Paper URL

ASK YOUR SCIENTIFIC ARTICLES!

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Home

Tools

- C Literature Review
- Copilot Read with Al
- 99 Citation generator
- Paraphraser
- A^Q Al Detector
- O Chrome Extension 🖸

Do hours worth of reading in minutes

Q Discover Papers for your research

TRY NEW AI SEARCH *****

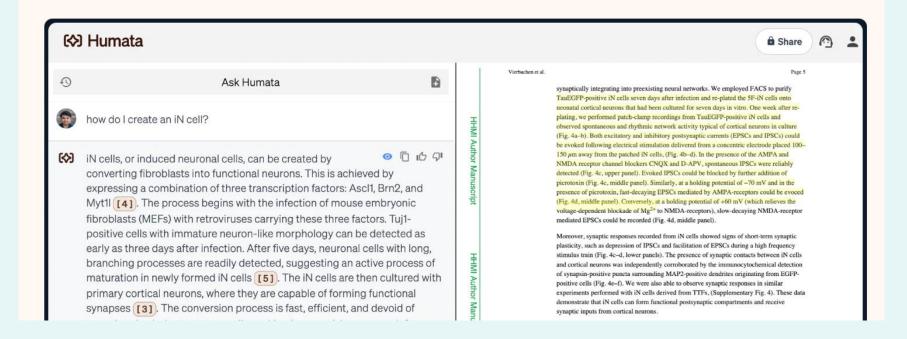
Try asking or searching for:

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



Asking is faster than skimming

Chat your way through long documents. Command our Al to summarize for you. Try for free >







CLINICAL SUPPORT!

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Enter Patient Summary

Include age, sex, relevant past medical history, medications, presenting symptoms, associated symptoms, descriptions of relevant studies (including labs and imaging), the illness course and any addition information you might include when consulting another physician about your patient.

Examples

CLINICAL PROBLEM REPRESENTATION

chest pain with hyperacute T waves

subacute progressive dyspnea 😱

confusion and disorientation

chest pain with ST segment elevation



HISTORY AND PHYSICAL

paresthesia

Patient Summary

Draft Differential Diagnosis

Draft Clinical Plan



Enter a brief patient's description and DxGPT will provide a list of possible disease diagnoses.

DxGPT searches in rare diseases, to expand the search to common diseases, activate this button:

See common diseases

Type here!

For best results, indicate when and why you think the symptoms appeared.

Search



CHAT BOTS!

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Bing is your AI-powered copilot for the web



Chat

What's the next trend in fashion and where should I shop to find it?



Organize

Create a table that helps me plan meals for the next two weeks



Compare

What are the top three vehicles for a family of six on a budget?



Create

Create a slogan for a new social media platform that specializes in sarcasm



Shop

What's the best-reviewed coffee grinder?



Laugh

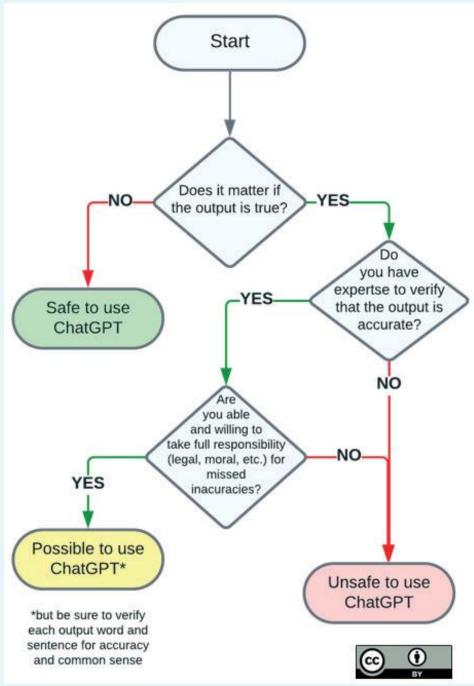
Write a joke that my coworkers would find funny



Write

Write an original fable about a fish and a frog finding love





- Be as specific as possible.
- Describe the settings and specify the context.
- Experiment with different prompt styles.
- Identify the overall goal of your prompt.
- Iterate and refine.
- Ask ChatGPT to play roles for you.
- Use the threads.
- Ask open questions.
- Request examples.
- Use time context wisely.
- Set realistic expectations.

Use it to expand your knowledge. It's a tool to support.

EXAMPLES OF USE IN HEALTH CARE

- Verbal introduction in meetings on specific topics.
- Assistance with writing code.
- New content creation.
- Outpatient communication and creation of discharge notes.
- Administrative texts, essay and text generation, ideation, and others.
- Prepare presentations.
- Proofreading and help with writing/editing.
- Marketing support.
- Differential diagnosis.
- Med device development; legal document interpretation.
- Compiling workshop feedback into summaries and quickly identifying common or reoccurring themes.



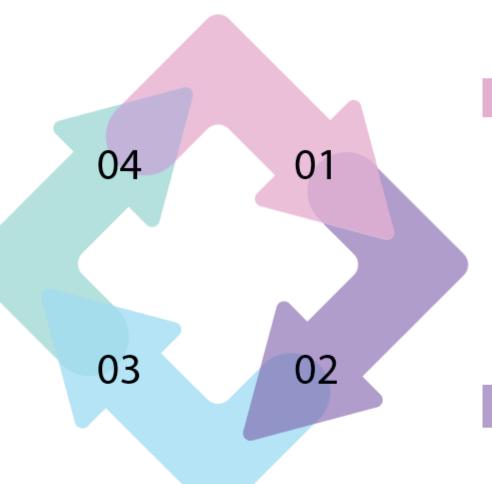
Writing up

- Improve writing quality
- Reformat citations and references
- Translate writing



Data analysis

- Code data
- Suggest themes or topics for analysis





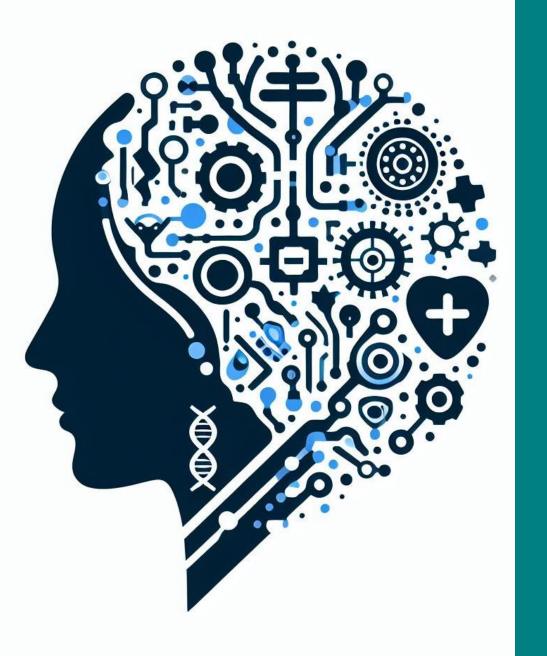
Research design

- Generate ideas for research questions or projects
- Suggest data sources



Data collection

- Search archives and datasets
- Translate sources into other languages





Generative AI tools in Healthcare Education and Research

ENPHE CONFERENCE 2023 WORKSHOP



