

---

# Generative AI: Implications for Academia in Teaching and Research

Tom Hagiladi

---



---

NICE TO  
MEET YOU



---

# NICE TO MEET YOU



בית ספר שורשים  
סביבה | קהילה | ידמות

---

---

# NICE TO MEET YOU

## מדעני העתיד

### "התוכנית ששינתה לנו את החיים"

הן משתתפות במחקרים, אוהבות ללמוד דברים חדשים וחושבות שצריך לעודד עוד בנות להכיר את תחום המדעים. דיברנו עם צעירות שמרגישות ש"נכנסו לחיים האמיתיים" ויודעות שזה המקום הנכון עבורן



ynet פורסם: 09:10 , 09.01.20



לומדות לנהל את הזמן

בשיתוף מרכז מדעני העתיד

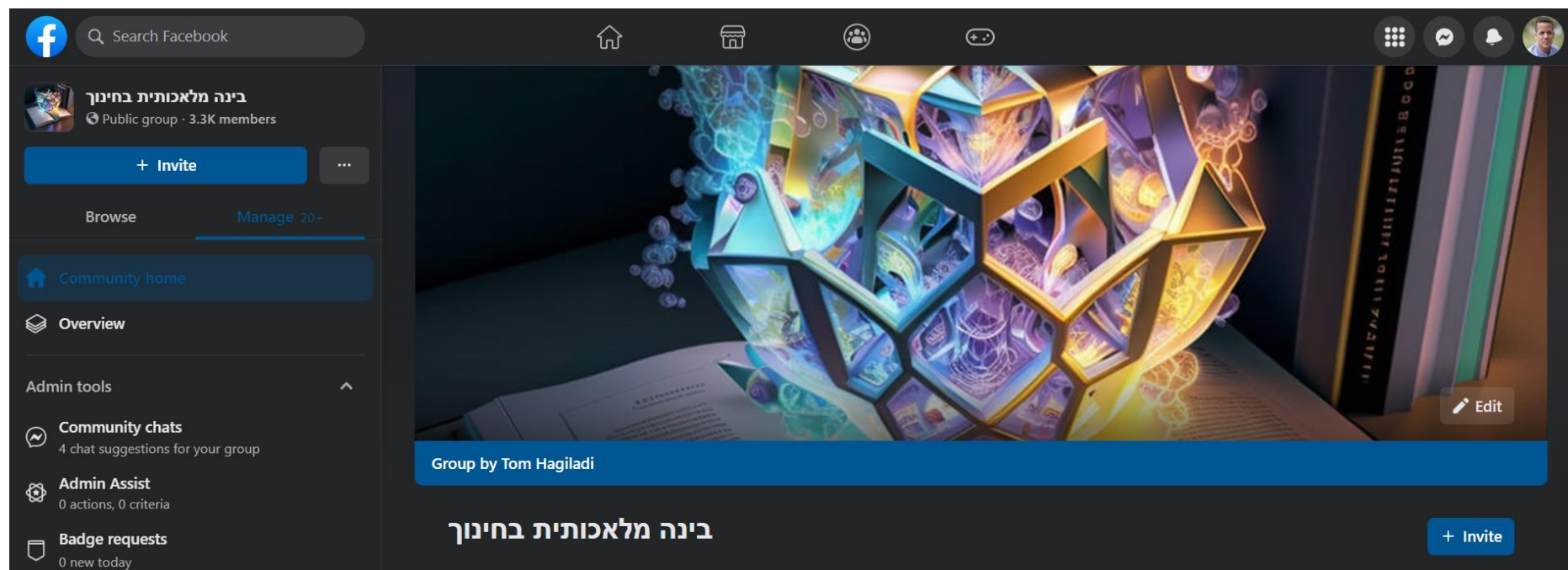
שתף בפייסבוק

"התוכנית ששינתה לנו את החיים." (L-0,7340,articles/www.ynet.co.il). Ynet. n.d.). <https://www.ynet.co.il/articles/0,7340,articles/www.ynet.co.il/5656310,00.html>

---

---

# NICE TO MEET YOU





---

# Agenda

- Introduction to Generative AI
  - Exploring Text-to-Text Tools (e.g. ChatGPT, Bing, Claude)
  - Tools for Knowledge Review
  - Database Management Tools
  - Document Analysis Tools
  - Text-to-Speech Tools for Reading Documents
  - Data Analysis and Formula Creation in Spreadsheets
  - Image Generation Tools
-

---

# A BRIEF INTRODUCTION TO GENERATIVE ARTIFICIAL INTELLIGENCE

---





---

# Developing Educational Material

- Designing the Syllabus
- Crafting Lessons
- Designing Presentations
- Brainstorming Lesson Content
- Creating assessment assignments

[https://ims.tau.ac.il/Tal/Syllabus/Syllabus\\_L.aspx?course=0757417501&year=2023](https://ims.tau.ac.il/Tal/Syllabus/Syllabus_L.aspx?course=0757417501&year=2023)

---



---

# Review of Student's Work

Uploading students' work to a text-to-text tool for initial feedback to be reviewed by the course instructor.

AI



---

# MATERIAL REVIEW FOR THE COURSE

Using Microsoft Bing to conduct a source review for the course.

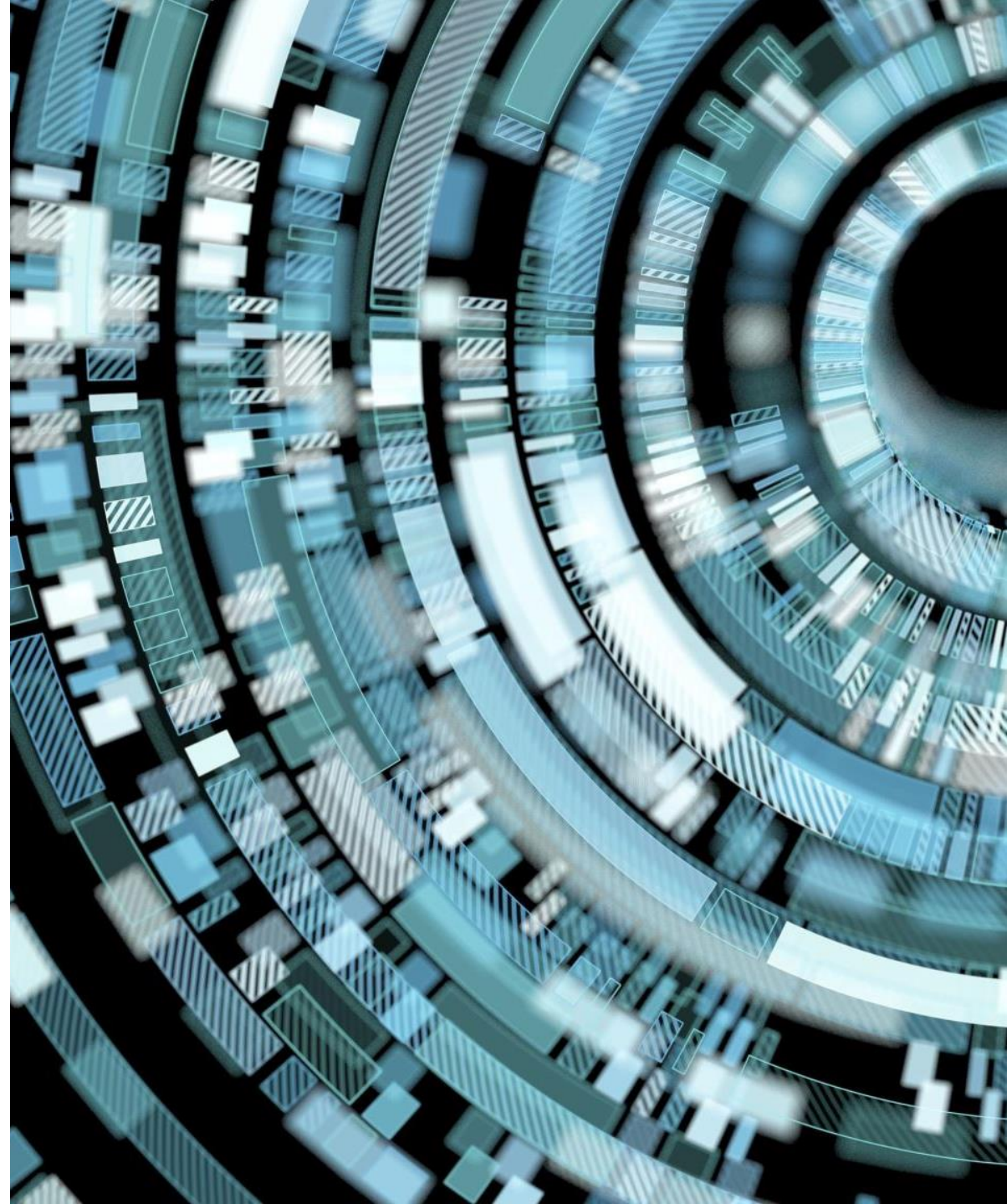
Example : The effects of generative artificial intelligence on academia



---

ADDITIONAL  
ARTIFICIAL  
INTELLIGENCE TOOLS  
TO SUPPORT  
TEACHING, LEARNING,  
AND RESEARCH IN  
ACADEMIA

---



---

# Should I pay or not?



Name	monthly cost	the service
ChatGPT4	20\$	The most advanced language model on the market
Canva	10\$	easy graphic design
Genially	1\$ (Student License)	creating interactive presentations and graphics
Midjourney	8\$	Image generator
Google one	6.6\$	100 gigabytes of storage
<b>Sum :</b>	<b>45.6 \$</b>	

---

# Tools for Reviewing Articles and Information Sources

- [Perplexity](#)
- [Elicit](#)
- [Inciteful](#)

Subject Example : The effects of generative artificial intelligence on academia

Article example : AI hyped? A horizon scan of discourse on artificial intelligence in education (AIED) and development

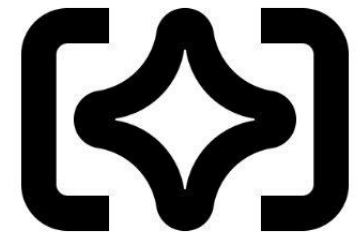




---

# Tools for Document Review

Humata



---

# NARRATING PDF DOCUMENTS

NaturalReader



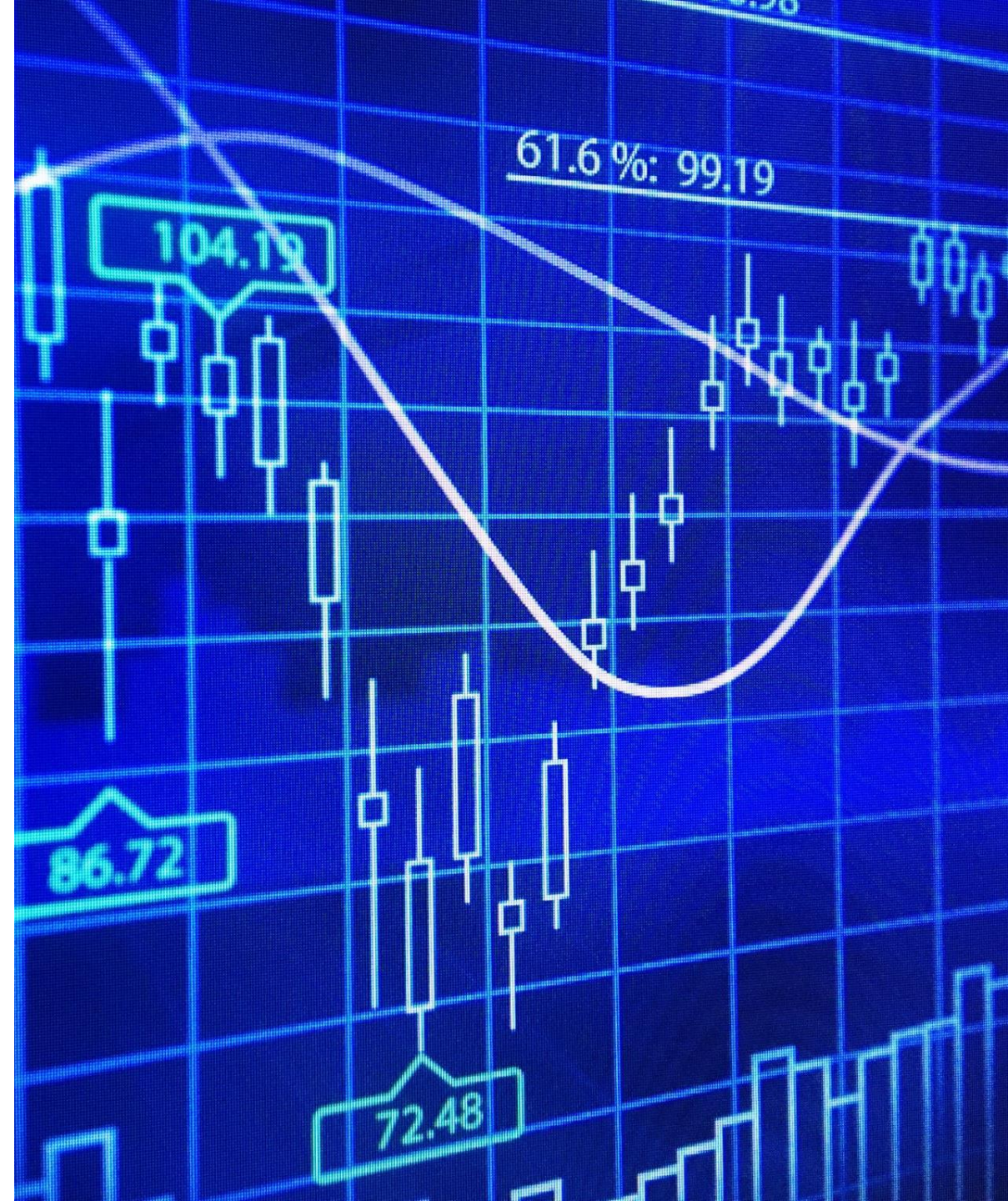
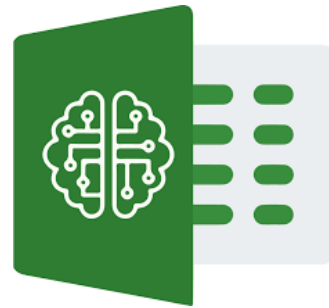
NaturalReader



---

# DATA ANALYSIS AND FORMULA CREATION IN SPREADSHEETS

gptexcel





---

# Image generation

- [Microsoft Bing image creator](#)
- [Ideogram](#)



---

# AI4RI



---

דף קישורים