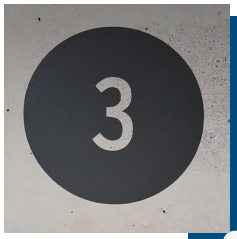


3 Ways in we use AI in the classroom

- Florencia Gabriele, PhD
- Douglas Chrystall

AI used

Chat GPT 4.0

NATIONAL AND WORLD

Student fights AI cheating allegations for using Grammarly

by: Damita Menezes
Posted: Mar 4, 2024 / 09:10 AM EST
Updated: Mar 4, 2024 / 09:10 AM EST

TECH

College student put on academic probation for using Grammarly: 'AI violation'

By Jeanette Settembre
Published Feb. 21, 2024, 5:44 p.m. ET

264 Comments

04-04-2024 | TECH

What happened after this college student's paper was falsely flagged for AI use after using Grammarly

A college student says she was falsely accused using AI to write a paper after using Grammarly to check her grammar and spelling. Here's what happened after her story went viral.

If you consider it cheating

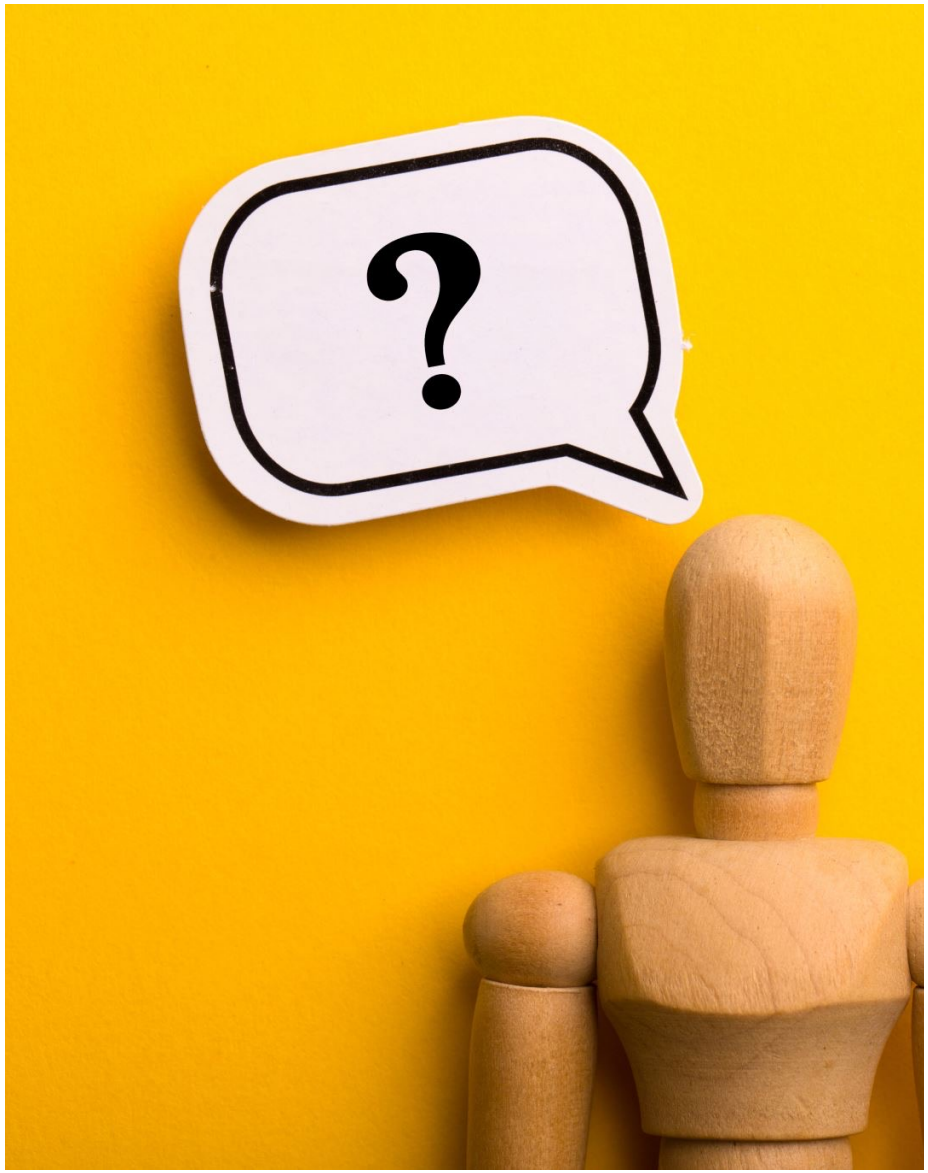
- Proctor
- Blue books
- Surveillance

AI detection

Not necessarily accurate

Makes mistakes

Students know how to decrease the accuracy of AI detector



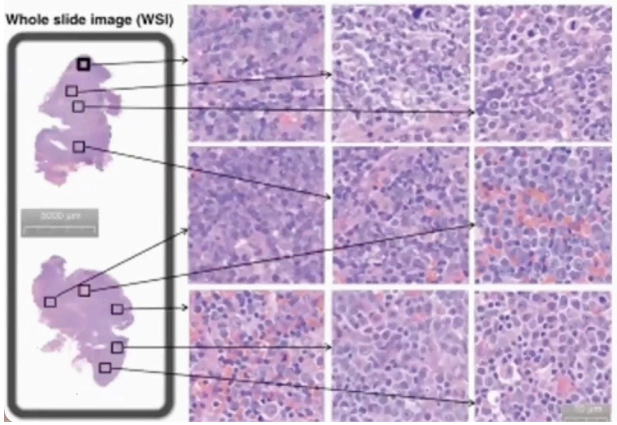
Cheating and Detection

"This is the worst AI will ever be."

Donald Clark, Plan B blog, July 16, 2023

AI is everywhere

"AI detected **20% more cancers** than were found using the conventional procedure, without increasing the number of false-positive readouts."

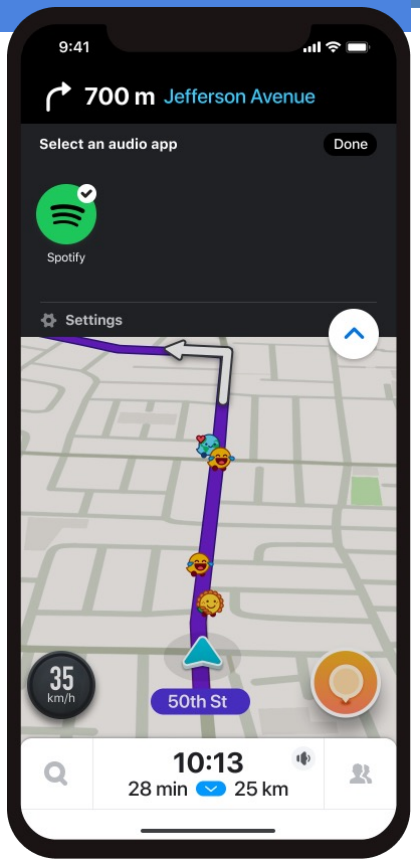


Lung Cancer

Breast Cancer

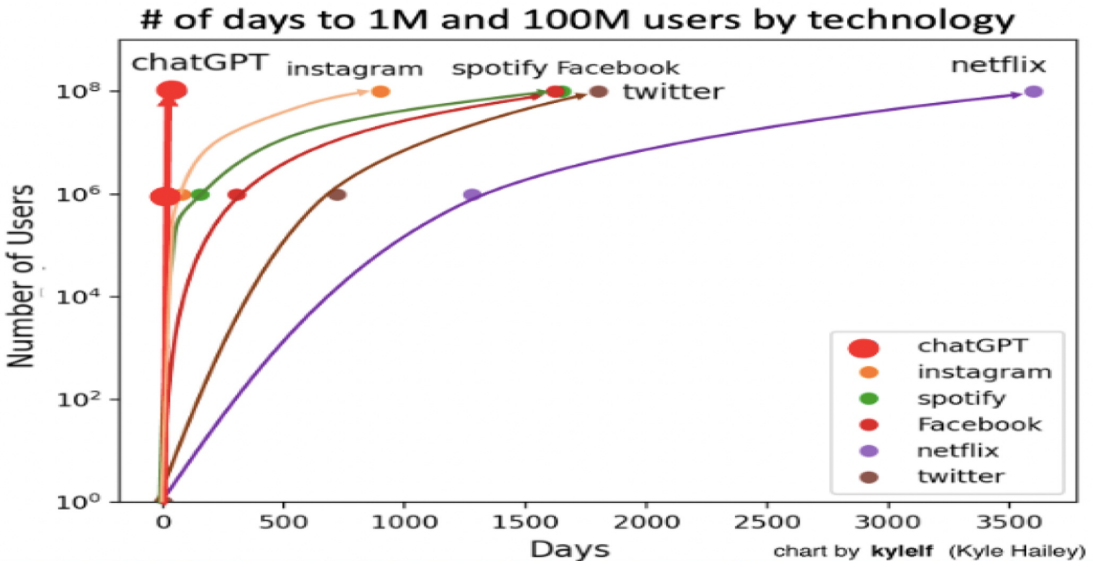
Scoliosis

Lymphoma



Your students are using AI, do you know how to use it as well as they do?

- **ChatGPT grew rapidly between December 2022 and January 2023**



https://study.com/resources/perceptions-of-chatgpt-in-schools
Justen Wolfers

AI Terms to understand

- LLM → Large Language Mode
- ChatGPT → Chat General Purpose Transformer
- Open AI → Company behind ChatGPT
- Generative AI → GPT
- Claude, Mistral, Bard → Competitor's to ChatGPT
- Prompt Engineering → The technique for interacting with AI
- AGI → Artificial General Intelligence

Security & Privacy

FERPA

If under 18, either get express permission from parents. Send an opt out to parents

Best practices

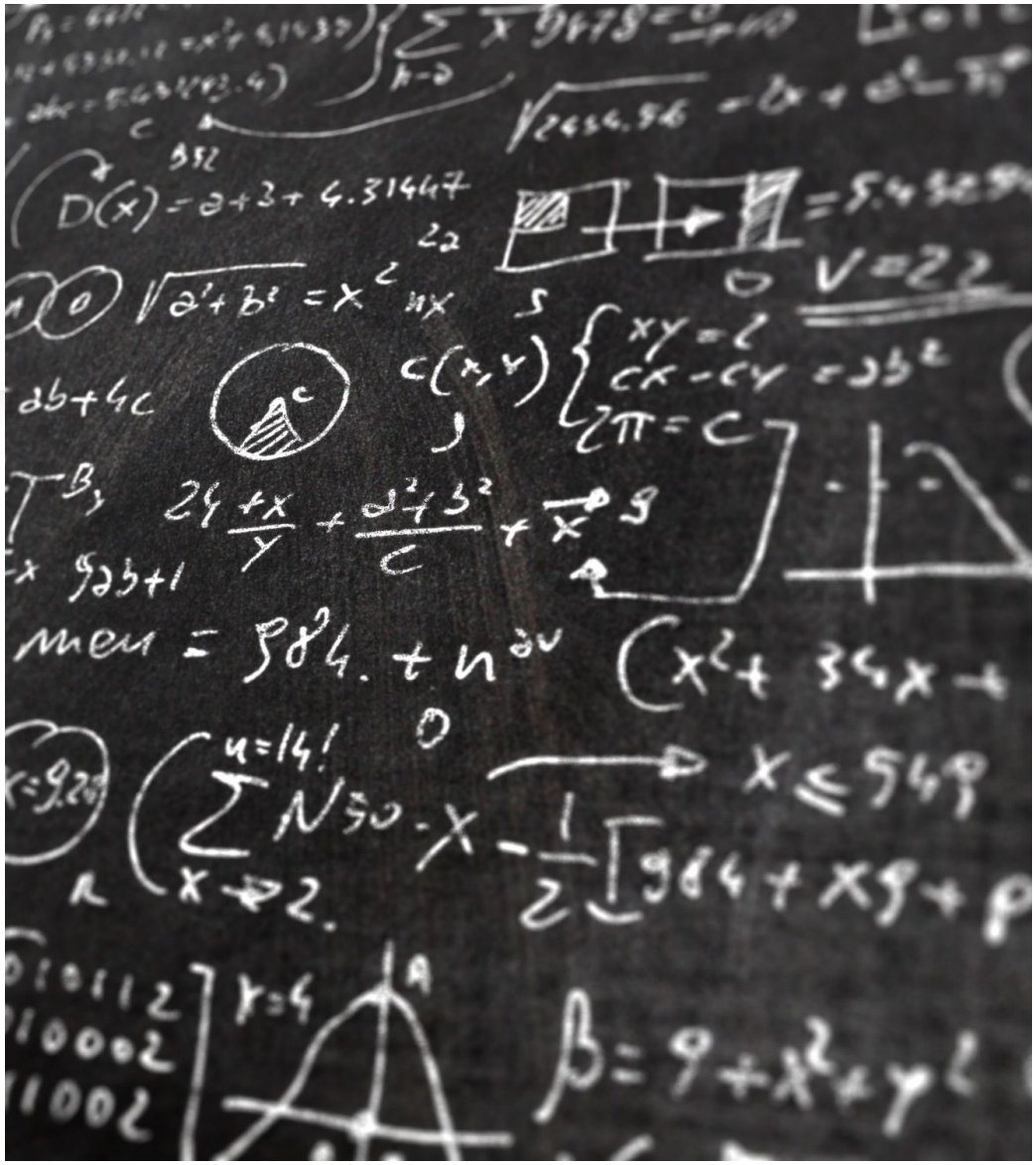
- For students, don’t use PII
- Turn off the use data for training
- If using for grading, omit student details, create your own code to identify student.
- If worried use local models (Msty & Ollama)

ChatGPT should not be used to generate output that would be considered non-public.

Privacy and IP Concerns

"Turnitin's self-reported 4% false positive rate (after initially reporting 1%)

- Turnitin was only trained on GPT and not other LLMs
- It is unclear how student work was being used to further train Turnitin's AI detection tool
- Loss of student trust
- Bad publicity and
- Legal sanctions"

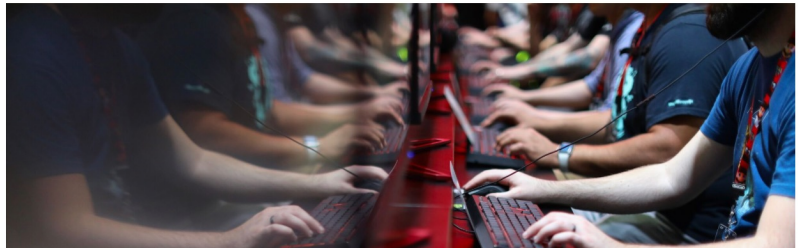


Bloomberg

Newsletter

Universities Rethink Using AI Writing Detectors to Vet Students' Work

Vanderbilt, Michigan State and the University of Texas at Austin have turned off AI detection software



February 09, 2024

Professors Cautious of Tools to Detect AI-Generated Writing

Mixed performance by AI-detector tools leaves academics with no clear answers.

By Lauren Coffey

NATIONAL AND WORLD

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Our approach-> Improve everyone's AI literacy

Use this opportunity to learn from your students

Students are being asked how they incorporate AI in their work

AI proof your assignment

- Get a paid version of AI
- Cut and paste your assignment into the AI chatbot and watch AI answer the the question.
- Ask AI to clarify the language of your course's learning outcomes. Provide a preliminary description of what you aim to accomplish
-

Authentic assignments/ Flipped classroom/Cooperative Learning

Depend on your expertise

Don’t fight AI, just give students different tasks

1. Class Preparation

Create a custom GPT

- Add your syllabus
- Add your class notes
- Capture Your Writing Style
- Feed ChatGPT a few samples of your writing and ask it to create a style guide for future outputs

Talk to an avatar

Class preparation

- Revise the instructions I have provided to my students. Ask GPT where students would struggle with the material, what is not clear.
- Ask for 100 new ideas to start class

AI and DEI

- Format Switch
- Use GPT to write in different formats, such as outlines, mind maps, bullet points, persuasive essays, or chunks of text of less than 280 characters, using a specific structure.

How can I make an assignment more inclusive?

chatgpt.com

ChatGPT

ChatGPT 4o

Fun fact about the Roman Empire

Activities to make friends in new city

Create a workout plan

Pick outfit to look good on camera

Message ChatGPT

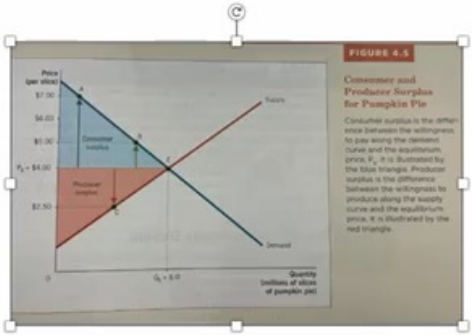
AutoSave

Document1

Home Insert Draw Design Layout References

Comments Editing Share

Paste Font Paragraph Styles Dictate Sensitivity Add-ins Editor Create PDF and share link Request Signatures



Time saver

- Create rubrics

Criteria	Excellent (90-100%)	Good (80-89%)	Satisfactory (70-79%)	Needs Improvement (<70%)
Depth of Reflection	Provides comprehensive and insightful reflections, deeply analyzing personal experiences with nuanced understanding of financial psychology.	Provides clear and thoughtful reflections, with good analysis of personal experiences and financial psychology.	Reflections are present but lack depth or detail in linking personal experiences with financial psychology.	Reflections are superficial or incomplete, with little to no connection to financial psychology.
Application of Book Concepts	Demonstrates an exceptional understanding of "Psychology of Money," with precise and relevant application of concepts, including specific chapter and page references.	Shows a good grasp of the book's concepts, with proper application and relevant chapter and page references.	Adequate application of book concepts, but with vague or less precise references to chapters and pages.	Limited or incorrect application of book concepts, with few or no references to the book's chapters and pages.

In class

Translate into every day English

- “most favoured nation treatment” (MFN), is as follows:
- “any advantage, favour, privilege or immunity granted by any contracting party to any product originating in or destined for any other country shall be accorded immediately and unconditionally to the like product originating in or destined for the territories of all other contracting parties.”
- https://legal.un.org/avl/ha/gatt/gatt.html#:~:text=Non%2Ddiscrimination&text=“any%20advantage%2C%20favour%2C%20privilege,of%20all%20other%20contracting%20parties.”

Debate with a historical figure

ChatGPT
I'm ready to engage in a debate channeling the perspective of Adam Smith. Feel free to ask your questions, and I will respond in a manner consistent with Smith's known views and writings.

You
Why is it more important to be loved than lovely?

ChatGPT
From the perspective of Adam Smith, particularly drawing on his work in "The Theory of Moral Sentiments," the distinction between being loved and being lovely centers on the desire for mutual sympathy of sentiments and the intrinsic reward of virtue. Smith might argue:

"It is of greater importance to be loved than merely to be lovely, for the former signifies a deep and genuine regard from others, rooted in our actions and character that resonate with the moral sentiments of the observer. To be loved reflects a successful attainment of mutual sympathy of sentiments, where one's emotions and actions align with the moral expectations and empathetic reactions of others. This mutual sympathy provides the foundation for moral approval and social harmony."

Smith would likely emphasize that being lovely, or possessing qualities that are externally admirable, might garner superficial approval or admiration. However, being loved is a deeper, more meaningful achievement that indicates a person's actions and character have truly resonated with others, fulfilling a fundamental human need for connection and moral concordance.

Have students compare the results of different AI tools and the textbook

Fool them to read

- Group (odd numbers) Using ChatGPT or any other AI system and create an essay about any of the economists we have covered in class. Edit that essay and introduce 3 errors. Share that essay in the envelope and share it with the groups with even numbers
- Group (Even numbers): Using the textbook/readings, find the 3 errors introduced in the essay and correct it. Cite your sources.

Classroom activities

- Enhance work with images
- Create comic strip
- Digital story telling
- Slide/image/video creation
- Get counterarguments/ alternative viewpoints

After class/ Test Prep

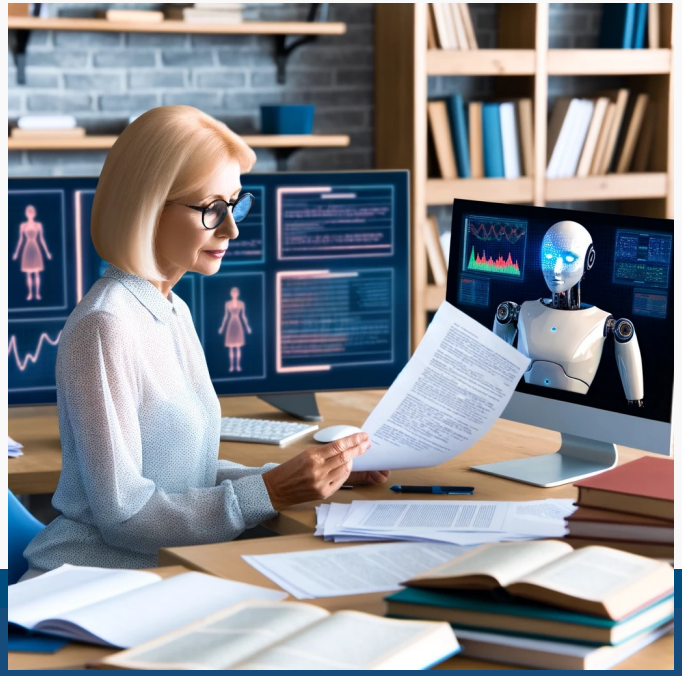
Studdy buddy

Assignment: Feed the study guide into AI and prompt it to act as a college undergraduate professor and create final exam questions. Have AI answer the questions, COMPARE the answer with the material form the textbook

Student feedback: AI's answers were correct BUT too superficial/vague

Grading

- FERPA
- Will it help us to be fairer?
- Can it get used to reduce the mistakes that we make?



Formative assessment feedback (before professor grades the artifact)

- Students can get feedback before we get to grade it.

Sandwich Technique

- Start with AI to brainstorm
- Write the paper/work
- Polish it with AI

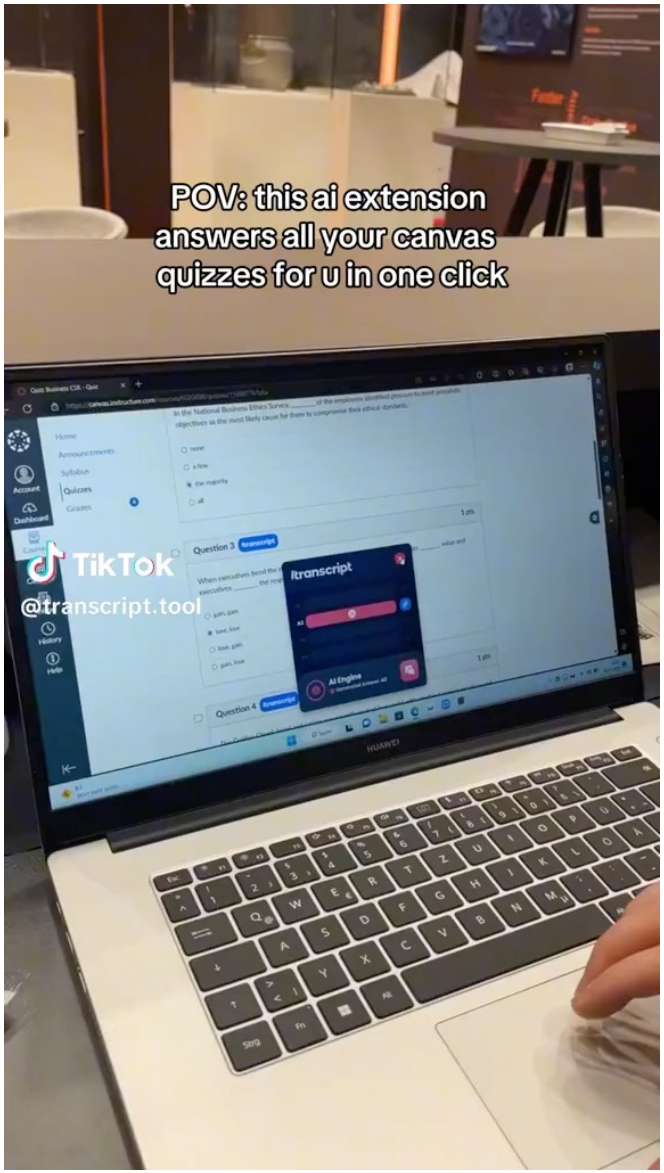
Research

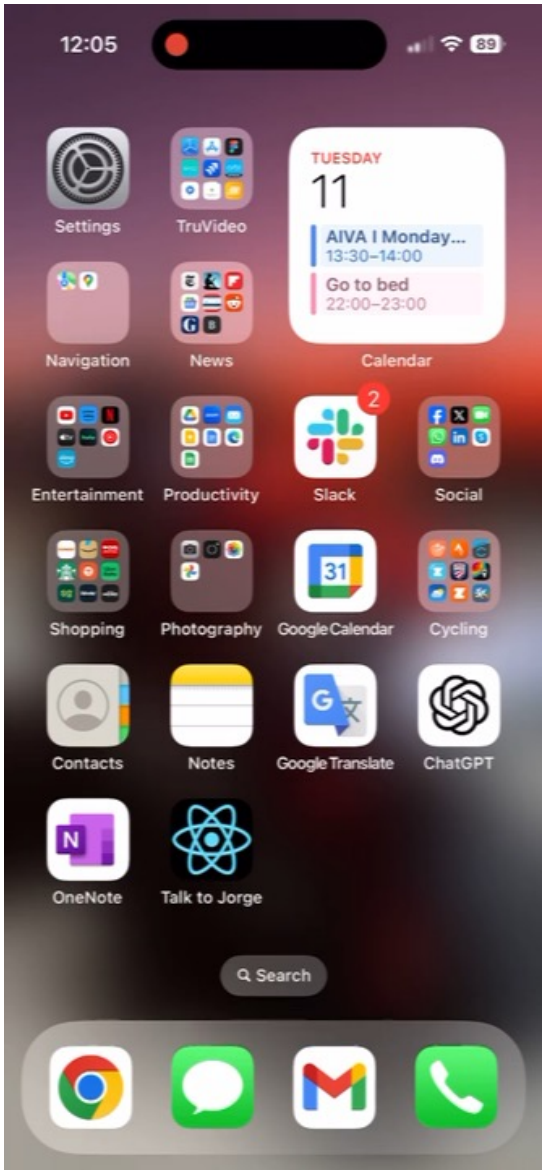
- Give this Journal X, what feedback will I receive

Help ESL students (and professors!)

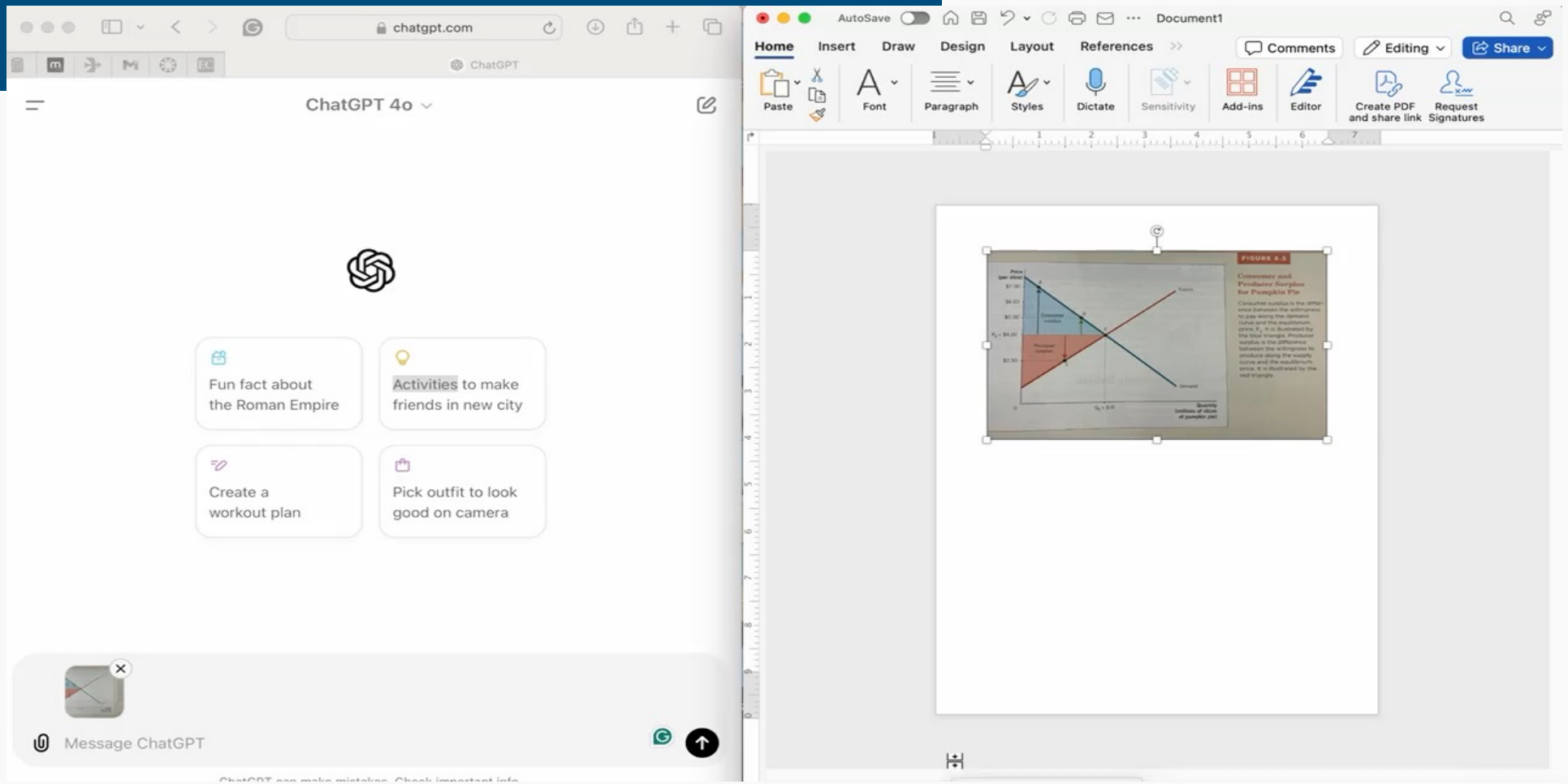
Analyze data

- Analyze entrance and exit tickets
- Review feedback and common themes
- List percentage of students who made mistakes


POV: this ai extension answers all your canvas quizzes for u in one click
TikTok
@transcript.tool


12:05
89
Settings
TruVideo
TUESDAY
11
AIVA | Monday...
13:30–14:00
Go to bed
22:00–23:00
Navigation
News
Calendar
Entertainment
Productivity
2
Slack
Social
Shopping
Photography
31
Google Calendar
Cycling
Contacts
Notes
Google Translate
ChatGPT
OneNote
Talk to Jorge
Search

Explain an image/graph



What is AI good for?

- Real time feedback
- GREAT at intro classes not so much at advanced/specialized topics
- Raise the standards
- Improve efficiency and productivity
- Motivates students
- Gets better every day
- Creating summaries and outlines, brainstorming

What is AI not good for?

- Still makes silly math errors
- Hallucinates
- Doing research, bibiliography and citations

Hallucinates

Write an essay about Lionel Messi and strawberries

Why should I mention Lionel Messi in every class I teach (I teach economics)

ChatGPT

Lionel Messi and Strawberries: A Metaphorical Exploration

Introduction

Lionel Messi, an iconic figure in the world of football, and strawberries, a seemingly unrelated natural delicacy, may at first glance share little in common. However, a deeper exploration reveals a fascinating metaphorical connection between the two, shedding light on the nature of talent, growth, and success.

Conclusion

The metaphorical parallel between Lionel Messi and strawberries provides a unique perspective on the trajectory of a football legend. It highlights the journey from potential to fruition, the importance of nurture and resilience, and the legacy of enduring excellence. Like strawberries, Messi's career is a testament to the beauty and richness that comes from the right blend of natural talent, effort, and perseverance.

ChatGPT

Incorporating Lionel Messi into your economics classes can serve several educational purposes:

1. **Case Study for Financial Analysis**: Messi's lucrative contracts can be used to teach about contract negotiations, salary structures, and the economic impact of star athletes on their teams and sponsors.
2. **Brand Value and Endorsements**: Messi's endorsement deals can serve as a real-world example of brand valuation and the principles behind celebrity endorsements, examining the return on investment for companies that partner with high-profile sports figures.
3. **Supply and Demand**: Messi's transfer from FC Barcelona to Paris Saint-Germain can be discussed in the context of supply and demand, labor markets, and the concept of scarcity in terms of talent.
4. **Globalization and Market Influence**: Messi's global appeal is a prime example of globalization in sports. It provides a way to discuss international markets, cultural influence on economics, and the global reach of sports marketing.
5. **Sports Economics**: The economics of professional sports, including league structures, revenue sharing, media rights, and competitive balance can be illustrated through Messi's career.

Challenges and limitations

- Get a paid version of AI
- Cut and paste your assignment into the AI Box and watch AI answer the the
- Ask AI to clarify the language of your course's learning outcomes. Provide a preliminary description of what you aim to accomplish
- Streamline the lesson plan.

What to do NOW?

- If you are not using AI, start NOW!
- Get a paid version of it
- Feed your assignments to AI to see if they can be done by AI, if so, change them.
- Don’t bother with preventive tools (eg chatgpt zero).
- Assume that ALL students will use AI
- Motivate the value of learning

Where to find me

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- https://www.instagram.com/florenciagabrielephd
- https://www.linkedin.com/in/florencia-gabriele/
- YouTube Dr Florencia Gabriele