

"Con la ayuda de la IA"

- Algunas ideas sobre la Inteligencia Artificial
- ➤ La Inteligencia Artificial en la Universidad
- Aspectos prácticos
- > Usar y citar la Inteligencia artificial



Advanced

Learner's Dictionary



OXFORD

James - Witten - Hastie · Tibshirani

THE

GUIST READS THE MENU

OF

JURAFSKY

NORTO





An Introduction to Statistical Learning







The Quick Python

Book

Deep Learning with Python



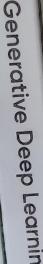




















Learnin9









FOURTH

Russell . Norvig

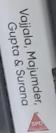
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Artificial Intelligence A Modern Approach

E ATA

P









Language Practical Natural Language Processing



Machine Learning for Text



HACE TRES AÑOS...

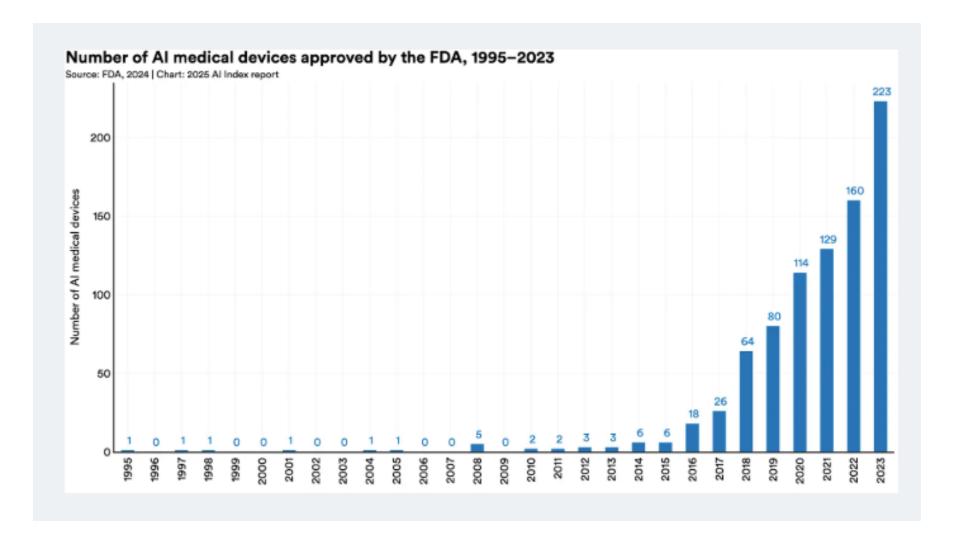
Jason M. Allen "Théâtre D'opéra Spatial"

"Esto no va a parar. El arte está muerto, colega. Se acabó. La Inteligencia artificial ganó. Los humanos hemos perdido."



¿Tiene razón Jason Allen?

HACE DOS AÑOS: IA y Salud



1995 – comienzo

2015 - seis

2023 - 223

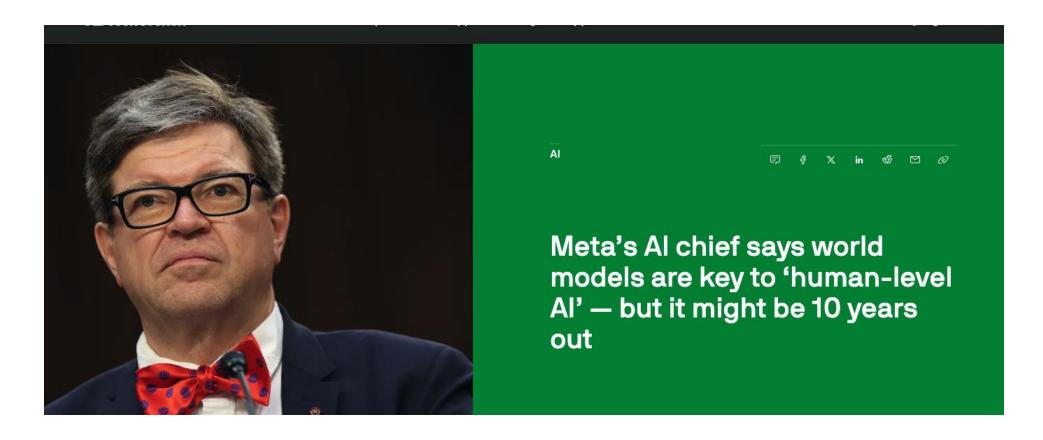
2025: Robots, IA y el futuro del trabajo

Elon Li's curbside workshop in Guangzhou, the commercial hub of southeastern China, has 11 workers who cut and weld metal to make inexpensive ovens and barbecue equipment. He is now preparing to pay \$40,000 to a Chinese company for a robotic arm with a camera. The device uses artificial intelligence to observe how a worker welds the sides of an oven, and then duplicates the action with minimal human intervention.

The New York Times, 23/abril/2025



¿Y la Inteligencia Artificial General?



LeCun, Director de IA en Meta/Facebook y profesor en NYU

AI's effect on creativity is equally disconcerting. Studies show that AI tends to help individuals produce more creative ideas than they can generate alone. However, across the whole population, AI-concocted ideas are less diverse, which ultimately means fewer "Eureka!" moments.

Similarly, a study by researchers at Microsoft and Carnegie Mellon University in Pittsburgh, Pennsylvania surveyed 319 people in professions that use GenAI at least once a week. While it improved their efficiency, it also inhibited critical thinking and fostered long-term overreliance on the technology, which the researchers predict could result in a diminished ability to solve problems without AI support.

"It's great to have all this information at my fingertips," said one participant in Gerlich's study, "but I sometimes worry that I'm not really learning or retaining anything. I rely so much on AI that I don't think I'd know how to solve certain problems without it." Indeed, other studies have suggested that the use of AI systems for memory-related tasks may lead to a decline in an individual's own memory capacity.



¿Cuál es mejor?









"Al and Statistics: Probably Correct"

P. Arés & I. Marroquín

Pregunta	Correcta	ChatGPT	Claude	Gemini	DeepSeek
1	b	С	b	С	b
2	а	а	а	а	а
3	d (a)	а	d	d	d
4	С	С	С	С	С
5	d	b	b	d	d
6	а	а	а	а	а
7	а	а	b	b	а
8	С	С	С	С	С
9	а	С	а	а	а
10	а	а	а	а	а
11	b	b	b	b	b
12	b	b	b	b	b
13	С	d	d	b	С
14	С	С	С	С	С
FALLOS		4	3	3	0

"Al and Statistics: Probably Correct"

P. Arés & I. Marroquín

From a binomial distribution with n=20, p=0.4, find P(X<7)

We calculate $P(X < 7) = P(X \le 6)$ where $X \sim \mathrm{Binomial}(20, 0.4)$

Using binomial cumulative probability:

$$P(X \leq 6) = \sum_{k=0}^{6} {20 \choose k} (0.4)^k (0.6)^{20-k}$$

Using calculator or software (e.g., R or Python), we get:

$$P(X \le 6) \approx 0.3823$$

Answer: Approximate probability is 0.3823.

```
Console Terminal × Background Jobs ×

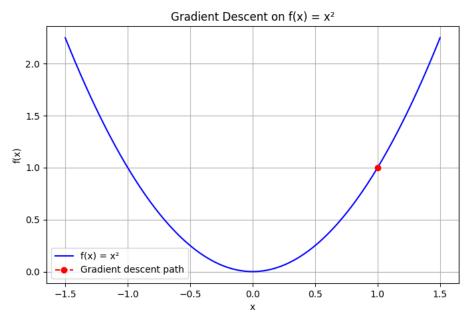
R → R 4.4.3 · ~/ 
> pbinom(6, size=20, prob=0.4)

[1] 0.2500107
>
```

```
error <- 1
threshold <- 0.005
x0 <- 1
increment <- 0.05
i <- 0
polinomio <- function(x)
  return (x^2)
derivada <- function(x)</pre>
  return (2*x)
while (error > 0.001)
  x1 <- x0 - increment * derivada(x0)
  i < -i + 1
  print(x1)
  error \leftarrow abs(x0 - x1)
  x0 <- x1
print(i)
print(x0)
```

```
error = 1
threshold = 0.005
x0 = 1
increment = 0.05
i = 0
def polinomio(x):
    return x ** 2
def derivada(x):
    return 2 * x
while error > 0.001:
    x1 = x0 - increment * derivada(x0)
    i += 1
    print(x1)
    error = al
    x0 = x1
```

print(i)
print(x0)



Yes, add some animation.



Awesome! Let's add an animation using matplotlib.animation . This will animate the gradient descent steps visually over the curve $f(x)=x^2$.

SIEMPRE COMPRUEBA LO QUE LA IA DIGA



Sáb 29/03/2025 16:2

Estimado large buenas tardes, Le escribo para informarle que he solicitado la asesoría del Profesor Ángol Montal para militar. Él h aceptado mi solicitud y ya hemos tenido una primera reunión.

Por ello, procedo a copiarlo en este correo para formalizar el proceso.

Quedo atenta a cualquier indicación adicional.

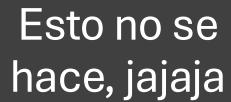
Atentamente,

[Tu Nombre]

Si deseas que suene más cercano o formal, dime y lo ajustamos.

Obtener Outlook para iOS





Agregadores

- 1. NextTool, lista de herramientas de IA: https://www.nextool.ai
- 2. Otro agregador: https://www.synthesia.io/post/ai-tools
- 3. Y uno más: https://www.aixploria.com/en/ultimate-list-ai/

Fuentes

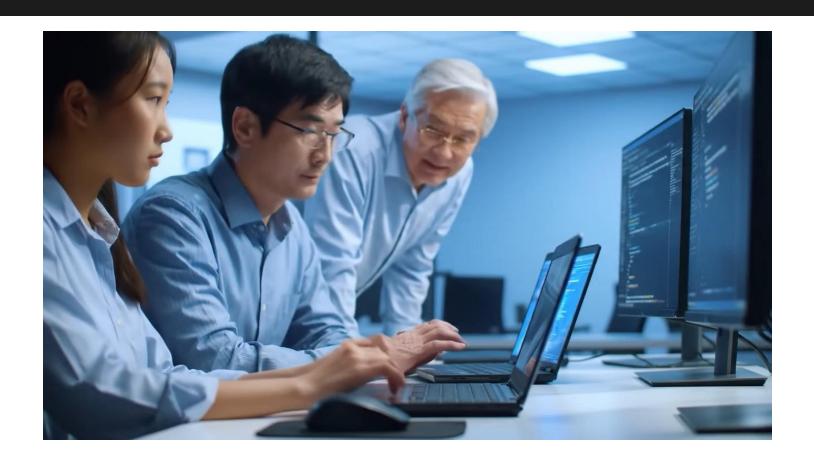
- https://aistudio.google.com
- https://scispace.com
- https://www.heygen.com
- https://www.captions.ai
- https://www.adobe.com/es/products/firefly.html
- https://www.napkin.ai
- https://ideogram.ai/t/explore
- ChatGPT 4o Image Generation
- https://fliki.ai
- https://gamma.app

Generate videos with Veo

A student and a professor coding with the help of Al





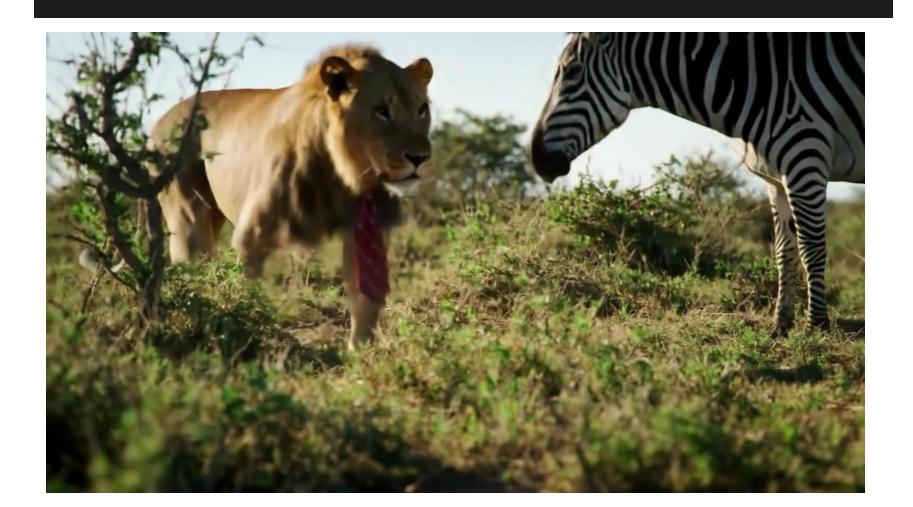


Generate videos with Veo 2

A lion moving in the sabana to hunt a zebra, the lion wears a tie, the zebra has a hat. Film with a video camara close to the ground.

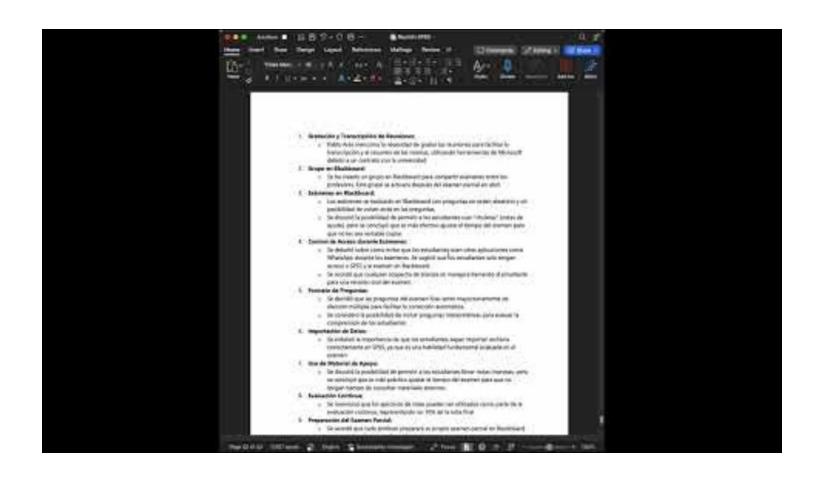






Resumen de una reunión

- Reunión por Teams por Internet, no presencial
- Grabar y transcribir
- Subir la transcripción a Copilot/ChatGPT y pedir un resumen



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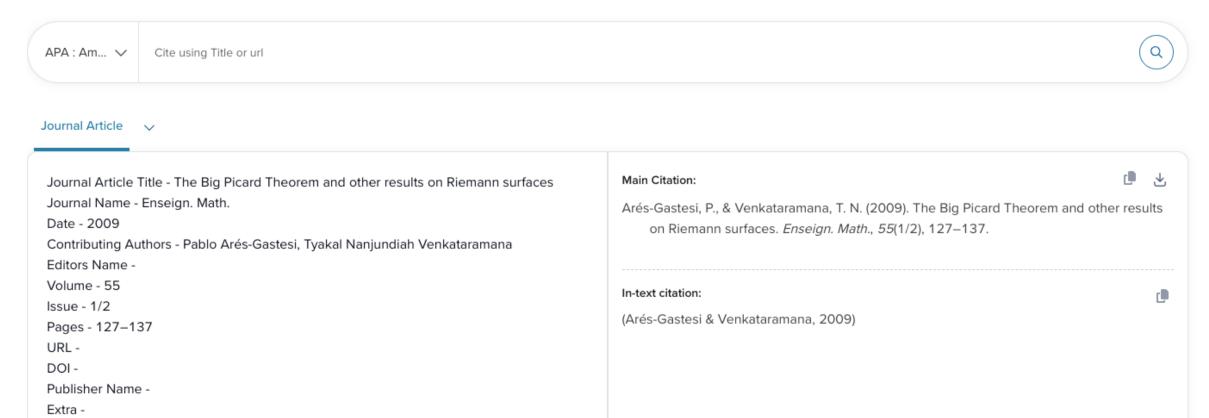
For Authors



Research PDF to Video

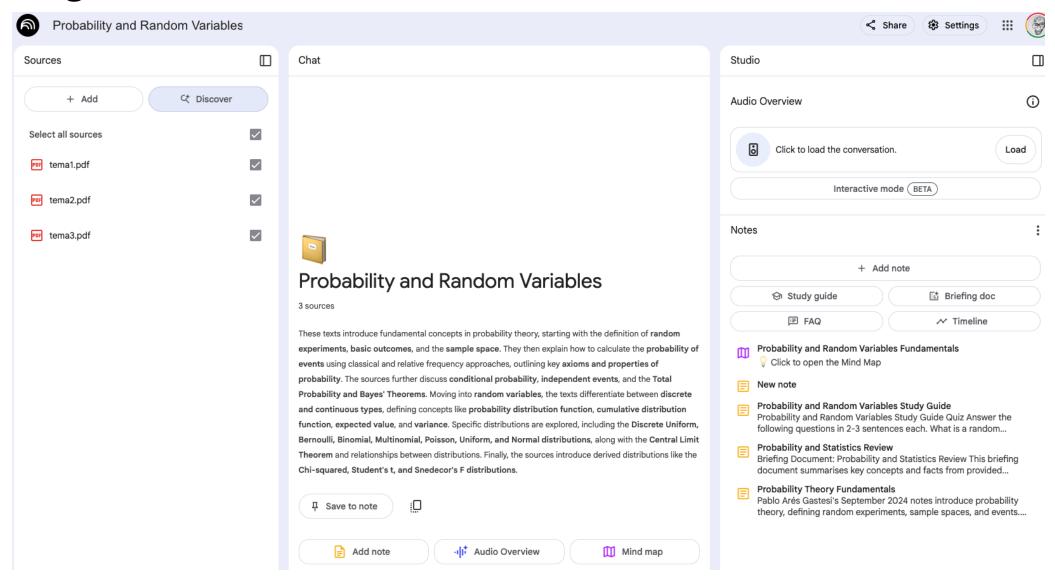
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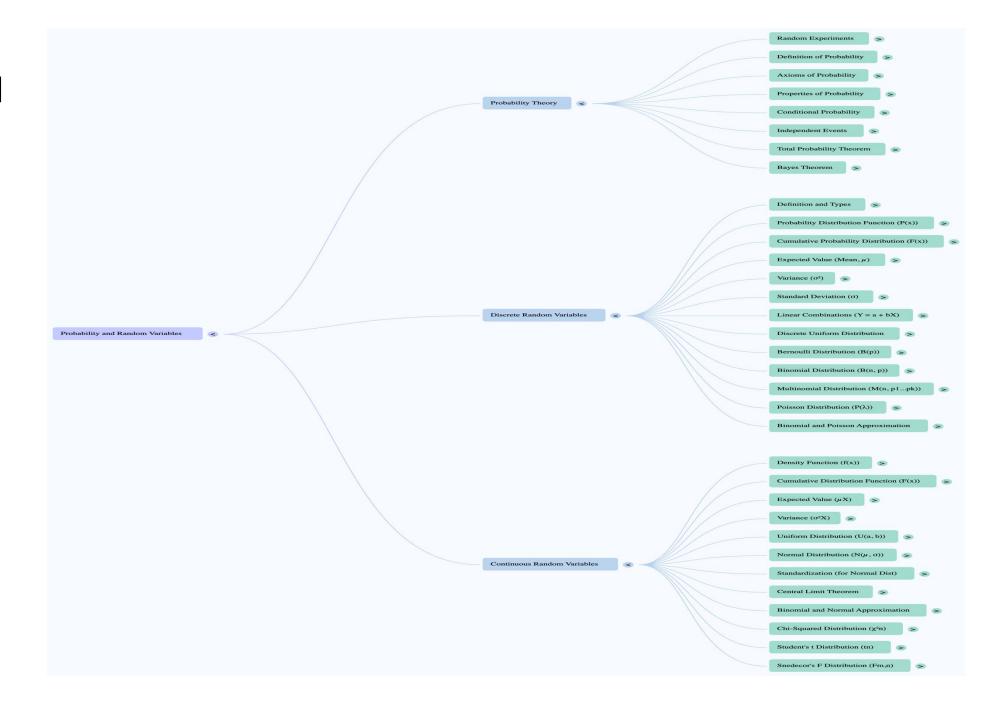


Generador bibliografía APA

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What are you interested in?

Basic probability theory, discrete and continuous random variables.

Q⁺ I'm feeling curious

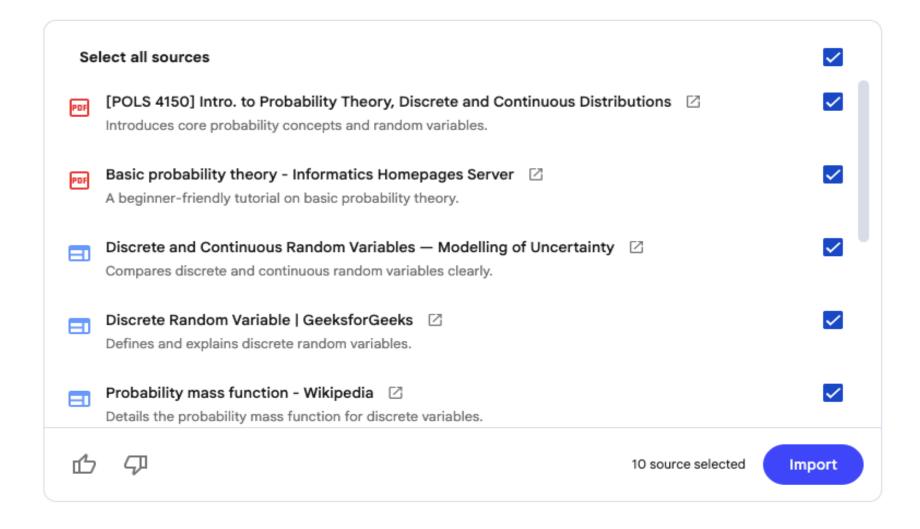
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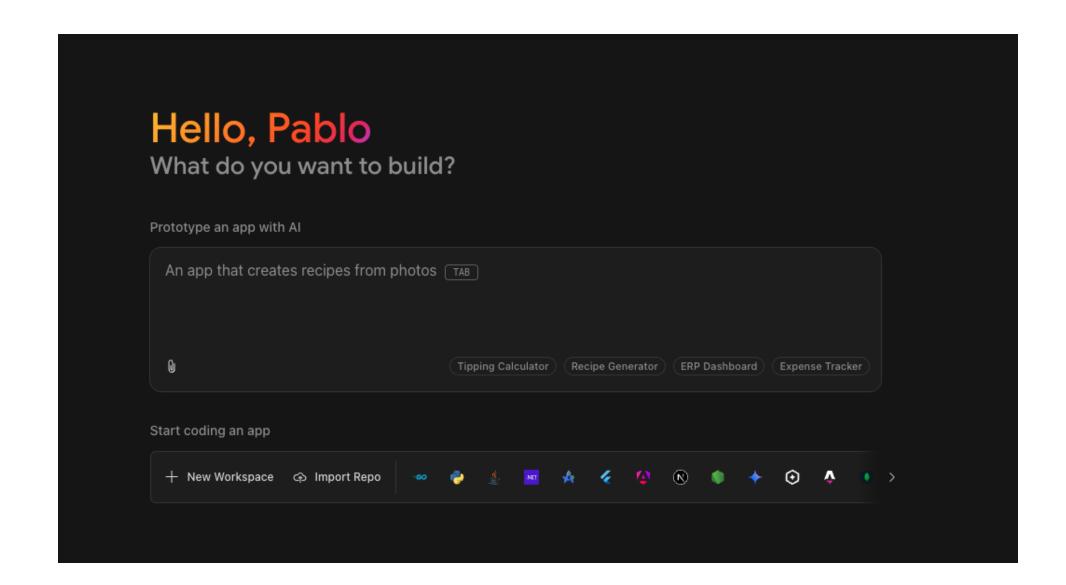
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Explore the fundamentals of probability theory, covering both discrete and continuous random variables, their associated distributions, and essential concepts like expected value and variance.





https://studio.firebase.google.com

Política sobre IA Generativa: Se espera que los estudiantes entreguen su propio trabajo en las tareas. Puedes utilizar herramientas de IA generativa (por ejemplo, Co-Pilot, ChatGPT) como lo harías con un colaborador humano. No puedes pedir directamente a las herramientas de IA generativa que te den respuestas ni copiar sus soluciones, y debes reconocerlas como colaboradoras. El uso de herramientas de IA generativa para completar sustancialmente una tarea o examen (por ejemplo, copiando directamente) está prohibido y constituirá una violación del código de honor.

https://normas-apa.org/referencias/como-citar-chatgpt/

Referencia

OpenAl. (2023). ChatGPT (versión del 15 de julio) [Modelo de lenguaje de gran tamaño].

https://chat.openai.com/chat

Cita

(OpenAl, 2023)

IA y Educación

Si un alumno no encuentra sentido en lo que aprende, buscará atajos para superar evaluaciones. Es la labor del profesor desarrollar en los alumnos la pasión por el conocimiento. Y es el deber del alumno intentar aprender con vistas al futuro, y no solo a la evaluación de cada asignatura.

MUCHAS GRACIAS

