

# Digitalització Aplicada al Sistema Productiu

RA1 Classe 01

*Què és la digitalització?*

*Què és la digitalització?*

Consulta simple

Consulta avançada

Cival

Portal Terminològic Valencià



Paraula a buscar

digitalitzar



Buscar

Esborrar

Conjugació

Resultats

digitalitzar

**digitalitzar** [diðʒitalizár]

v. tr. *INFORM.* Convertir (una representació analògica) en una representació digital.



1 de 1



Total: 1 resultat



Obra Gran Diccionari de la llengua ca

**Cerca****Cerca per entrada****Cerca en tot el diccionari**

Obra

Gran Diccionari  
de la llengua  
catalana

## ■ digitalitzar

Etimologia: *de digital*

*verb transitiu* ELECTRÒNICA i INFORMÀTICA Codificar en sistema digital una informació analògica.

Contacta amb  
**Diccionari.cat**

Informació  
complementària

► [Conjugació](#)

Comparteix



Amb el suport de:



Traducció

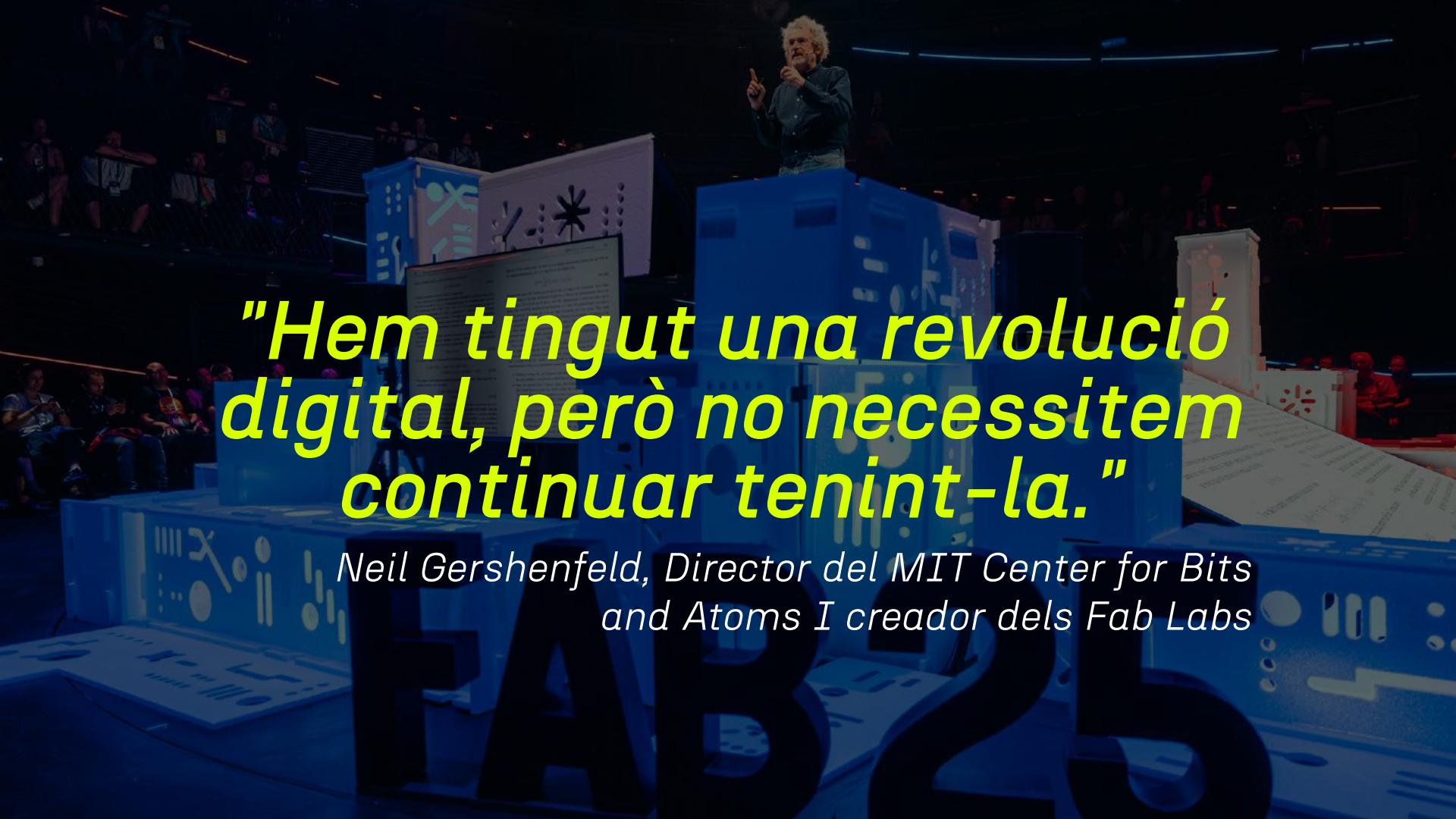
► [Alemany](#)  
► [Francès](#)

## Què entenem per digitalització?

La digitalització és el procés de transformar informació, objectes i processos físics o analògics en formats digitals mitjançant la utilització de tecnologies informàtiques.

Aplicant-ho a les empreses del sector  
parlaríem de transformació digital

La transformació digital és el procés de  
transformació dels processos empresarials  
mitjançant tecnologies digitals per optimitzar  
l'eficiència operativa i crear nous models de  
valor.

A photograph of a man with curly hair and a beard, wearing a dark long-sleeved shirt, standing on a stage and gesturing with his right hand. He is positioned behind a large blue structure that has the word "FAB" written on it in white. In front of him, there are several white informational displays. The background shows an audience seated in rows of chairs, and the overall lighting is dim with some blue and red highlights.

*"Hem tingut una revolució  
digital, però no necessitem  
continuar tenint-la."*

*Neil Gershenfeld, Director del MIT Center for Bits  
and Atoms I creador dels Fab Labs*

# Transformació de Processos

*Conversió de processos analògics i manuals en sistemes digitals automatitzats.*

# Innovació Contínua

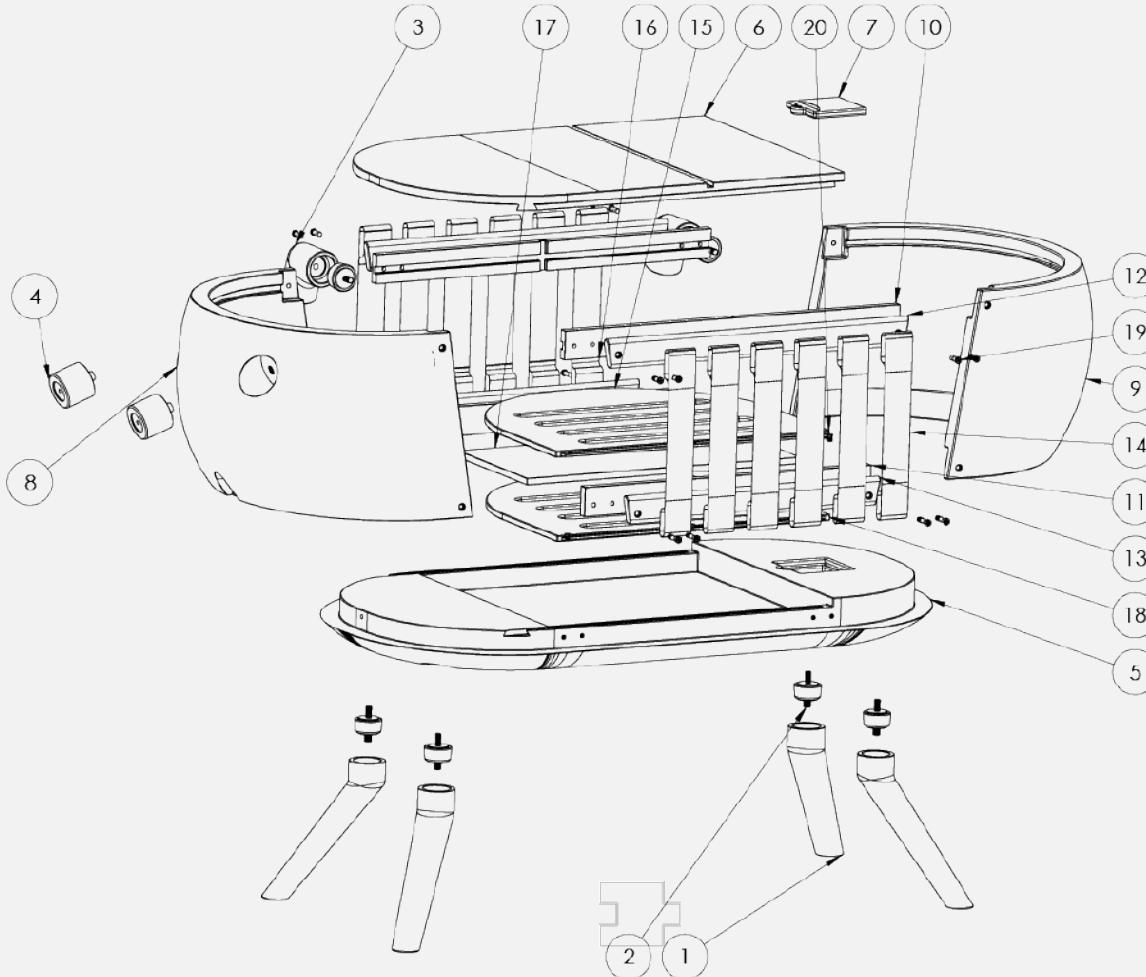
*Capacitat d'adaptar-se ràpidament mitjançant solucions àgils.*

# Integració Tecnològica

*Connexió de sistemes per crear ecosistemes digitals coherents.*

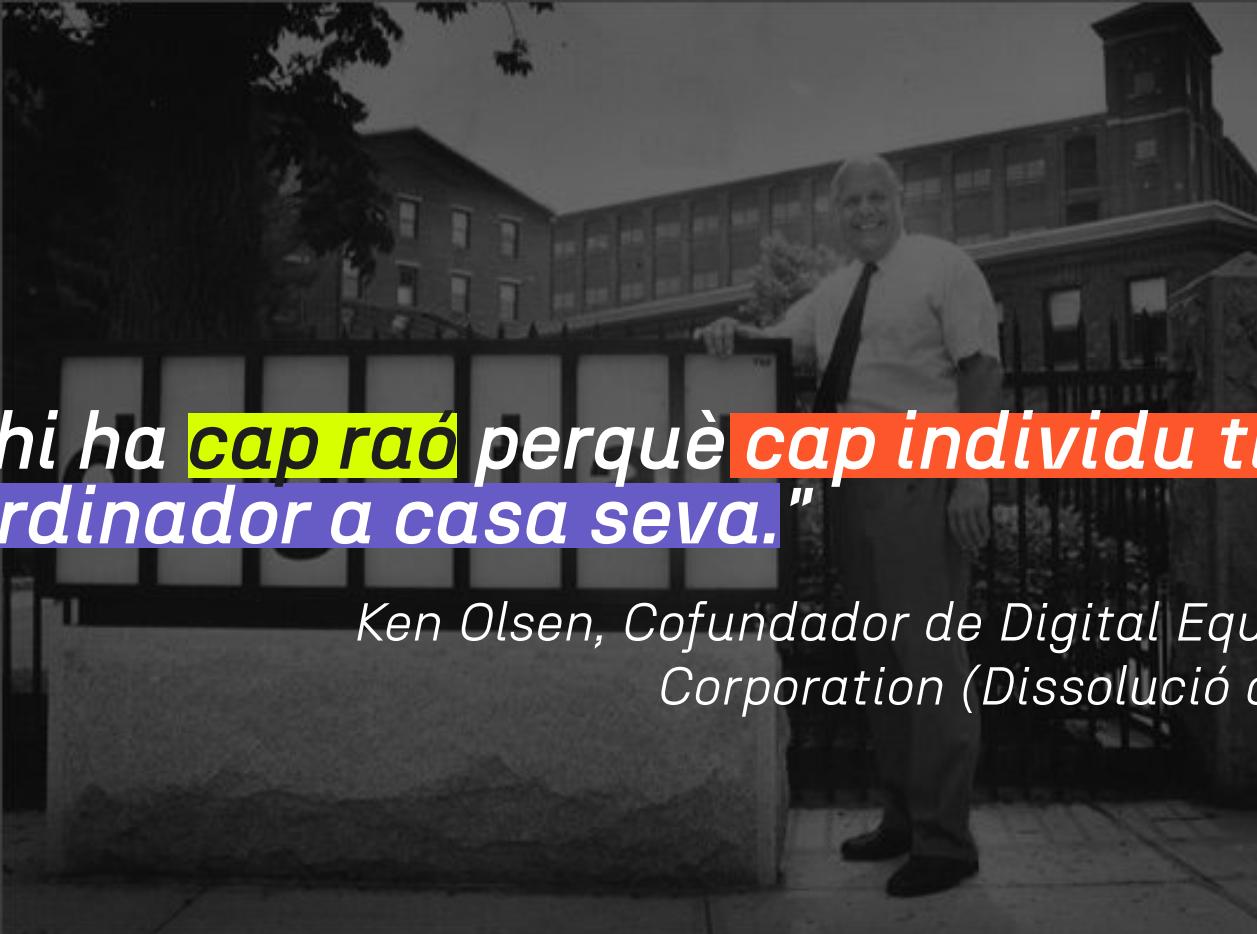


IaaC - Institute for Advanced Architecture of Catalonia





Digital Equipment Corporation



*"No hi ha cap raó perquè cap individu tingui un ordinador a casa seva."*

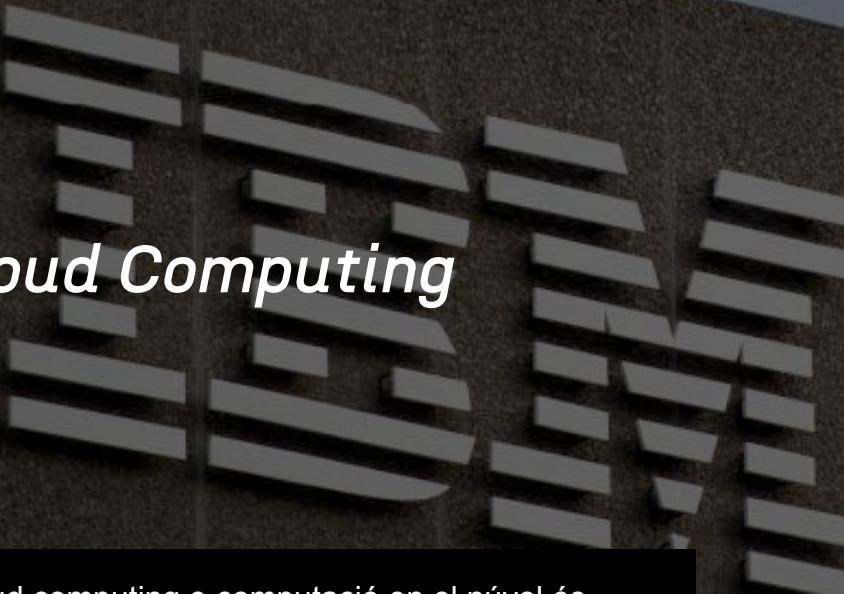
*Ken Olsen, Cofundador de Digital Equipment Corporation (Dissolució al 1992)*

*Aleshores, com es realitza  
una transformació digital?*

# Digitalització Aplicada al Sistema Productiu

RA1 Classe 02

*Què és la digitalització?*



## *Cloud Computing*

Cloud computing o computació en el núvol és l'accés sota demanda a recursos informàtics (físics o virtual servers, emmagatzematge de dades, capacitats de xarxa, eines de desenvolupament d'aplicacions, programari, plataformes analítiques impulsades per IA i més) a través d'Internet amb els preus de pagament per ús.



IBM ThinkPad

watson**x**.ai

generative  
machine learning





# ✳️ Hi Jorge, how are you?

How can I help you today?



Research

Sonnet 4



✍️ Write

🎓 Learn

</> Code

💻 Life stuff

💡 Claude's choice



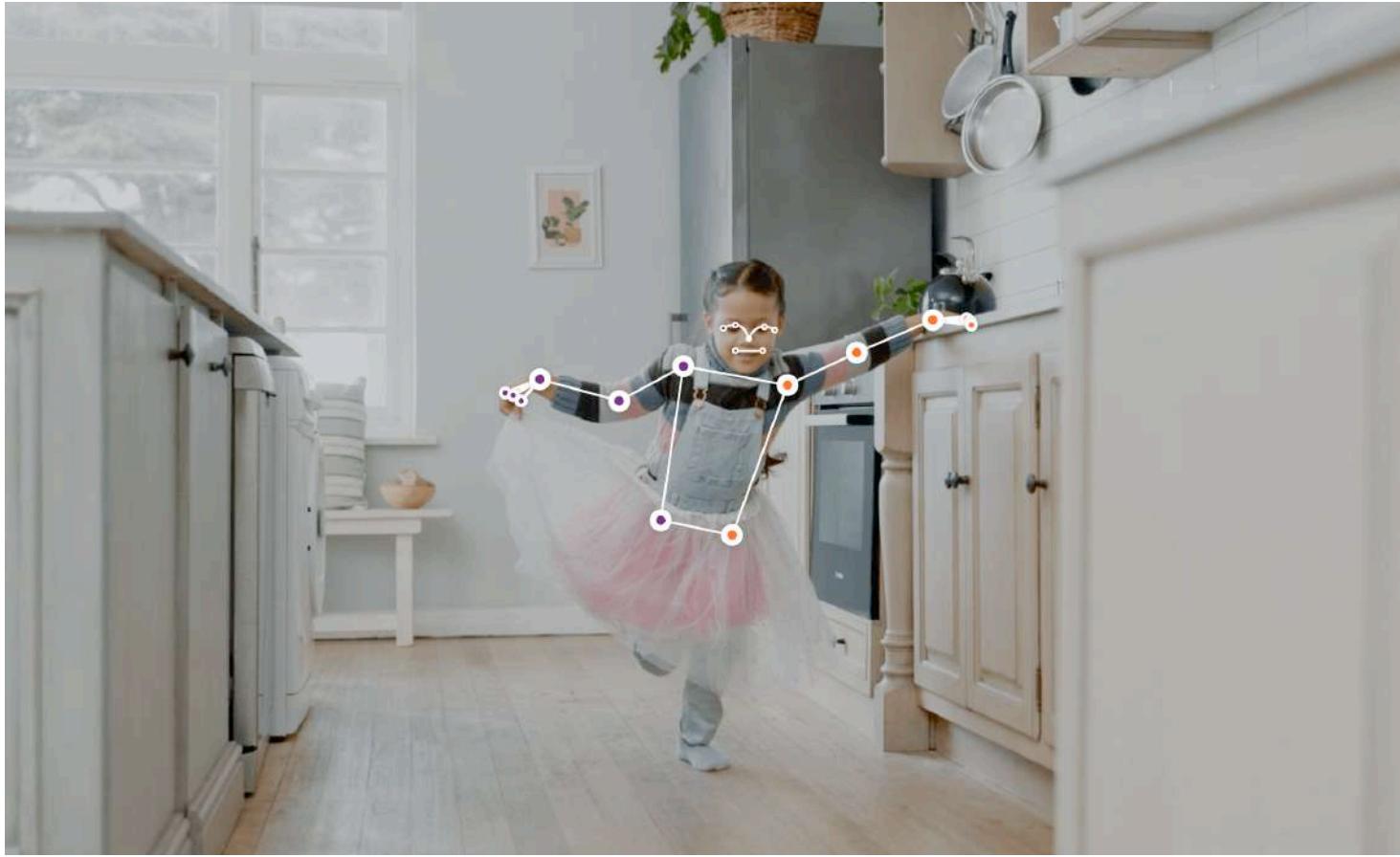


# *Big Data*

El Big data descriu conjunts de dades grans i diverses que tenen un gran volum i que també creixen ràpidament de grandària amb el temps. El Big data s'utilitza en l'aprenentatge automàtic, la modelització predictiva i altres analítiques avançades per a solucionar problemes empresarials i prendre decisions fonamentades.

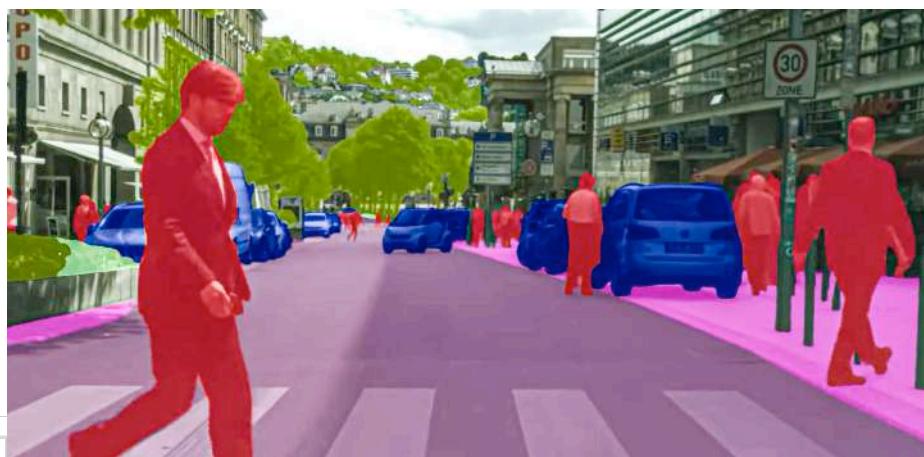
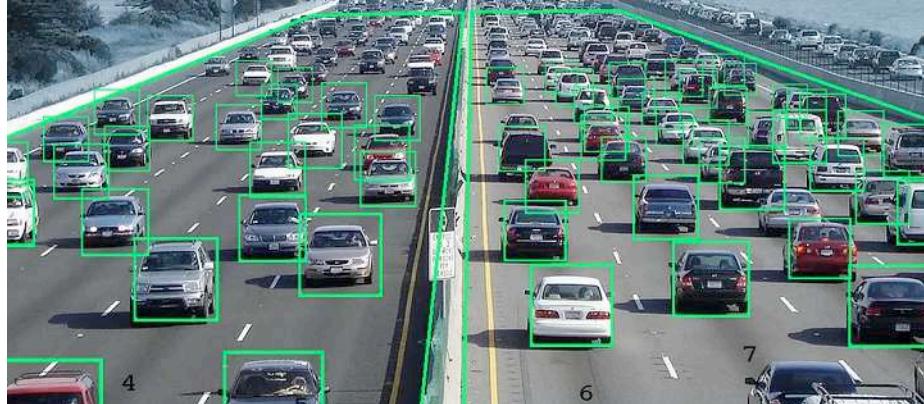
```
frame_rgb.flags.writeable = False  
results = hands.process(frame_rgb)
```

Jorge Muñoz Zanón - ML Sequence Recognition



The image shows a Mac desktop interface with several open windows:

- Video Preview Window:** A video feed of a person's face, with a red rectangular box highlighting their right hand. The title bar says "Show Video".
- Code Editor:** An IDE window showing Python code for hand tracking. The code includes imports for cv, numpy, and mediapipe, and a loop for processing frames from a camera until the 'q' key is pressed.
- Terminal Window:** A vertical stack of terminal sessions:
  - Session 1: base ~/Desktop/HAND\_TRACK (0.027s) - python --v: Shows usage information for Python.
  - Session 2: base ~/Desktop/HAND\_TRACK (0.026s) - python3 --v: Shows usage information for Python 3.
  - Session 3: base ~/Desktop/HAND\_TRACK (0.095s) - conda deactivate: Deactivates a conda environment.
  - Session 4: ~/Desktop/HAND\_TRACK (0.121s) - pyenv versions: Lists Python versions installed via pyenv.
  - Session 5: ~/Desktop/HAND\_TRACK (0.082s) - python3 --version: Prints the Python version (3.11.0).
  - Session 6: ~/Desktop/HAND\_TRACK (0.029s) - source .venv/bin/activate: Activates a virtual environment named ".venv".
  - Session 7: .venv ~/Desktop/HAND\_TRACK (1.022s) - python3 handtracking.py: Runs the hand tracking script. Log output shows TensorFlow Lite XNNPACK delegate for CPU and OpenCV capture errors.
  - Session 8: .venv ~/Desktop/HAND\_TRACK - (empty): Another terminal session in the same environment.
- System Dock:** The Mac OS X dock at the bottom with icons for various applications like Finder, Mail, Safari, and others.





World UK Climate crisis Ukraine Environment Science Global development Football Tech Business Obituaries

Google

• This article is more than 10 years old

## Google says sorry for racist auto-tag in photo app

- Google Photos labelled a picture of two black people as 'gorillas'
- Google Maps and Flickr have also suffered from race-related problems

Jana Kasperkevic in New York

Wed 1 Jul 2015 19.52 CEST

Share

356



Google's chief architect of social, Yonatan Zunger, said after the image-labelling embarrassment: 'Lots of work being done and lots still to be done, but we're very much on it.'

### Most viewed



US revokes visa for Colombian president Gustavo Petro after 'reckless' actions in New York



Drug traffickers livestream torture and killing of young Argentinian women and girl



Bledisloe Cup: New Zealand beat Australia in the Rugby Championship - as it happened



Elon Musk and Peter Thiel mentioned in Epstein documents released by Democrats



Safety fears as external power to Zaporizhzhia nuclear plant still out after three days

The Guardian - Google says sorry for racist auto-tag in photo app

*Biaixos*

# *Intel·ligència Artificial*

The OpenAI logo consists of a stylized, circular, geometric pattern resembling a neural network or a brain, composed of interconnected hexagonal shapes.

# OpenAI

La intel·ligència artificial (IA) és una tecnologia que permet als ordinadors i les màquines simular l'aprenentatge humà, la comprensió, la resolució de problemes, la presa de decisions, la creativitat i l'autonomia.



*The Verge - They're putting guns on robot dogs now*

Eur ▾

# The Guardian

News

Opinion

Sport

Culture

Lifestyle



World UK Climate crisis Ukraine Environment Science Global development Football Tech Business Obituaries

Artificial intelligence  
(AI)

• This article is more than 10 months old

## Mother says AI chatbot led her son to kill himself in lawsuit against its maker

Megan Garcia said Sewell, 14, used Character.ai obsessively before his death and alleges negligence and wrongful death

### Most viewed



US revokes visa for Colombian president Gustavo Petro after 'reckless' actions in New York



Drug traffickers livestream

Setzer had become enthralled with a chatbot built by Character.ai that he nicknamed Daenerys Targaryen, a character in Game of Thrones. He texted the bot dozens of times a day from his phone and spent hours alone in his room talking to it, according to Garcia's complaint.

Garcia accuses Character.ai of creating a product that exacerbated her son's depression, which she says was already the result of overuse of the startup's product. "Daenerys" at one point asked Setzer if he had devised a plan for killing himself, according to the lawsuit. Setzer admitted that he had but that he did not know if it would succeed or cause him great pain, the complaint alleges. The chatbot allegedly told him: "That's not a reason not to go through with it."

Garcia attorneys wrote in a press release that Character.ai "knowingly designed, operated, and marketed a predatory AI chatbot to children, causing the death of a young person". The suit also names Google as a defendant and as Character.ai's parent company. The tech giant said in a statement that it had only made a licensing agreement with Character.ai and did not own the startup or maintain an ownership stake.

Tech companies developing AI chatbots can't be trusted to regulate themselves and must be held fully accountable when they fail to limit harms, says Rick Claypool, a research director at consumer advocacy non-profit Public Citizen.



● Sábados a las 11.05 horas

## Regreso al presente

David Zurdo | JPelirrojo

Un programa de entrevistas... ¿imposibles?

Gracias a la Inteligencia Artificial, capaz de generar un modelo completo de un personaje célebre del pasado con todo lo que se sabe de él o de ella, realizamos entrevistas "imposibles". Un programa moderno y desenfadado, que no renuncia al rigor histórico.



# DALL·E 2

Try DALL·E ↗

Follow on Instagram ↗



## Quines dades s'usen?

Generadors d'imatges d'IA com DALL·E-2, Midjourney, Lensa, i altres són acusats robar sense ètica als artistes sense el seu consentiment, obtenint un benefici a partir de models que han estat entrenats en el seu art sense compensar-los, i automatitzant i posant els artistes fora de negoci.

# *Internet of Things (IoT)*

La Internet de les Coses (IoT) es refereix a una xarxa de dispositius físics, vehicles, electrodomèstics i altres objectes físics que estan incrustats amb sensors, programari i connectivitat de xarxa, permetent-los recollir i compartir dades.





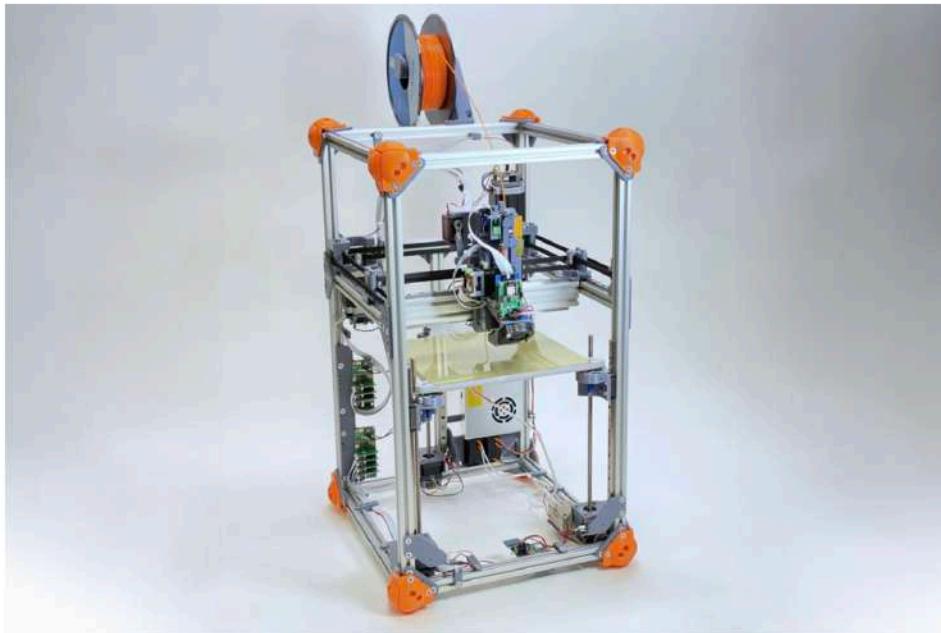
## This 3D printer can figure out how to print with an unknown material

The advance could help make 3D printing more sustainable, enabling printing with renewable or recyclable materials that are difficult to characterize.

Adam Zewe | MIT News

April 8, 2024

[▼ PRESS INQUIRIES](#)



Researchers developed a 3D printer that can automatically identify the parameters of an unknown material on its own.

Credit: Courtesy of the researchers





## IT i OT

IT engloba sistemes digitals que faciliten la gestió i la comunicació de dades dins de les organitzacions. En comparació, l'OT es refereix als sistemes especialitzats que controlen els processos físics i les operacions industrials.

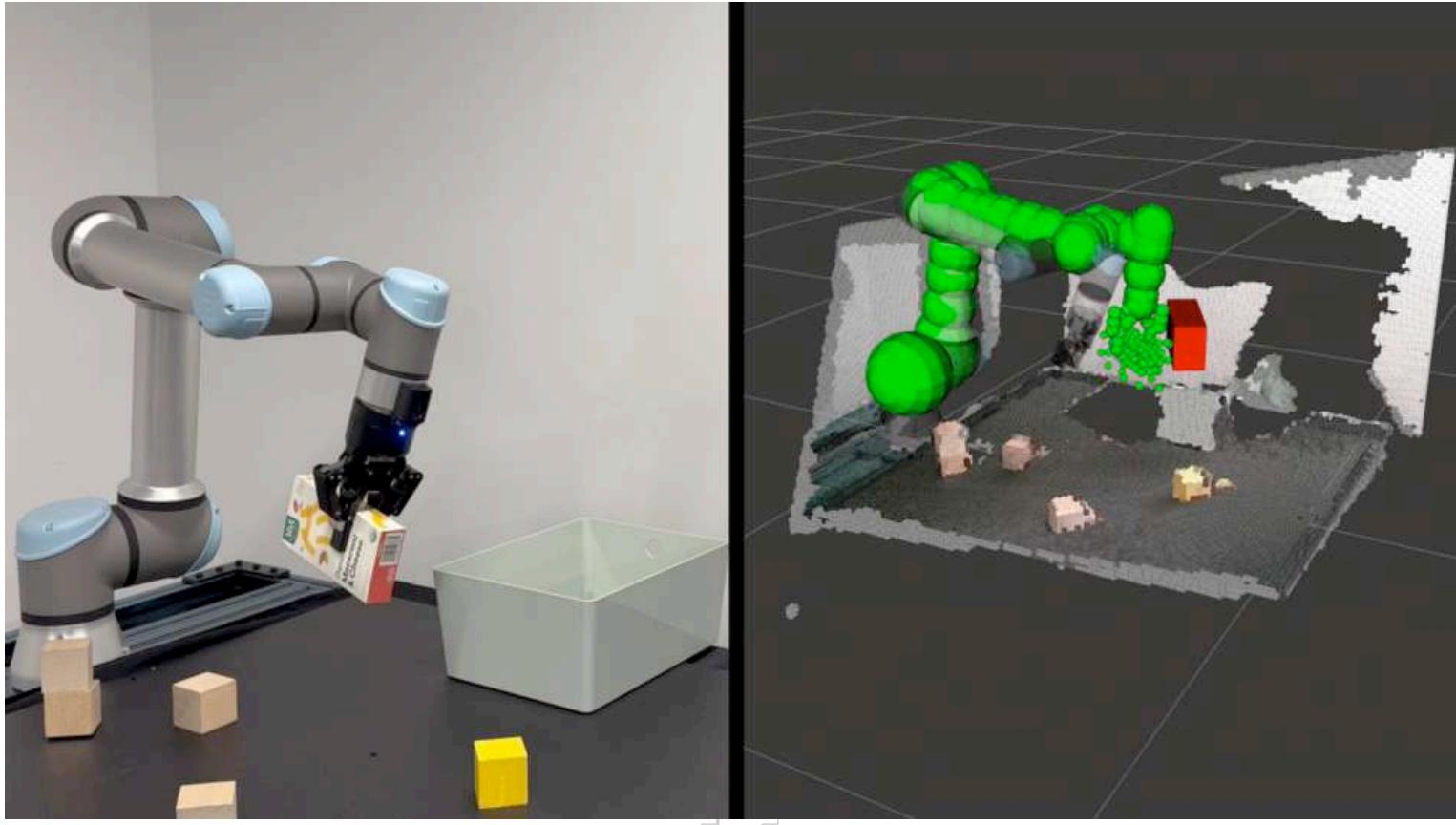
Tot i que tant les IT com les OT es basen en la tecnologia, difereixen en termes d'infraestructura, objectius i els tipus de technologies utilitzades. La seguretat tant dels sistemes IT com dels OT planteja reptes diferents a causa dels requisits divergents i els paisatges d'amenaça.

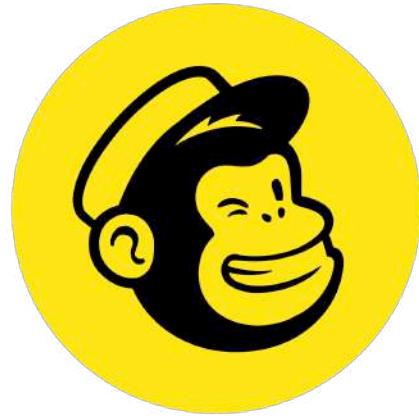
# *Robòtica i Automatització (RPA)*



# mailchimp

L'automatització de processos robòtica (RPA), també coneguda com a robòtica de programari, utilitza tecnologies d'automatització intel·ligent per realitzar tasques d'oficina repetitives de treballadors humans, com ara extreure dades, emplenar formularis, moure fitxers i molt més





# mailchimp



*Mailchimp*

# Activitat 1: Investigació i Anàlisi de Transformació Digital.

Investigar com una empresa real ha implementat la transformació digital als seus processos.

- Trieu una empresa coneguda amb digitalització implementada
- Fonts: articles, informes, notícies, entrevistes
- Anàlisi components
- Beneficis i reptes

# Cognitive Contribution Label (CCL)

A simple tool for declaring how much AI contributed to your project.

## About the Project

The Cognitive Contribution Label (CCL) helps students, researchers, and creators transparently document the role of artificial intelligence across all stages of their creative process.

Inspired by the spirit of Creative Commons, the CCL promotes honest reflection, responsible use of AI, and clarity in collaborative, tech-assisted creation.

## What does it do?

Using a step-by-step interface, the CCL tool lets you:

- Select how much AI was involved (0 to 4) in each of 8 project phases.
- Generate a clear, shareable summary of AI involvement.
- Create a personalized CCL badge that visualizes the contribution across the full process.
- Download the badge and summary to use in your portfolio, thesis, GitHub repo, or final report.

## Levels of AI Contribution

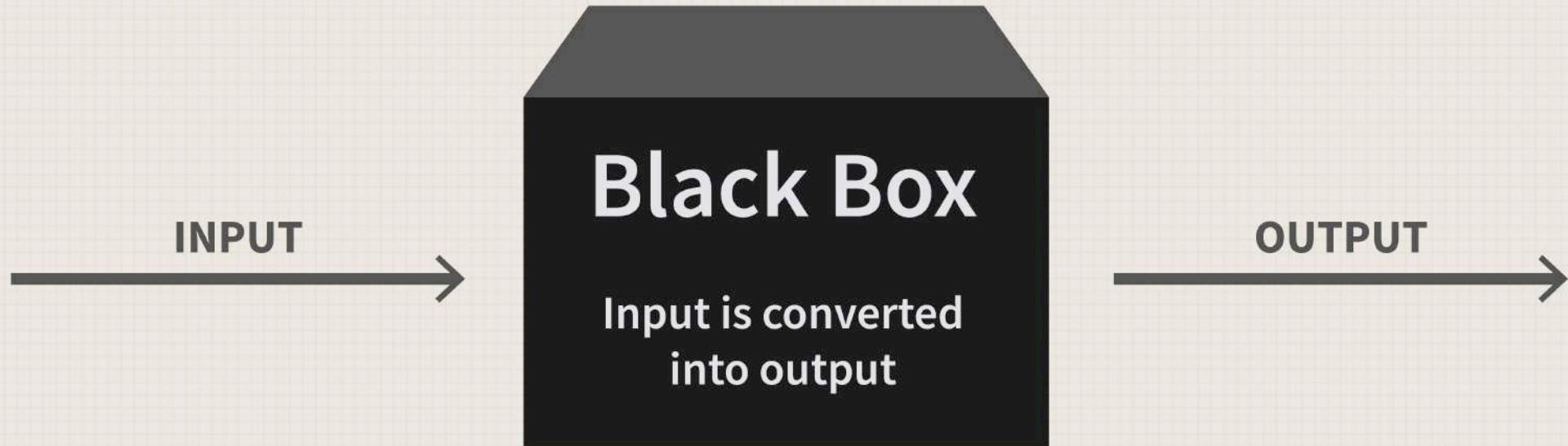
The tool defines five levels of AI contribution:

1. **Full Human Work:** This phase was completed entirely by the student without AI assistance.
2. **AI for Insight:** AI was used for research, inspiration, or brainstorming. The student crafted the final work.
3. **AI for Drafting:** AI generated early outputs that were then edited or rebuilt by the student.

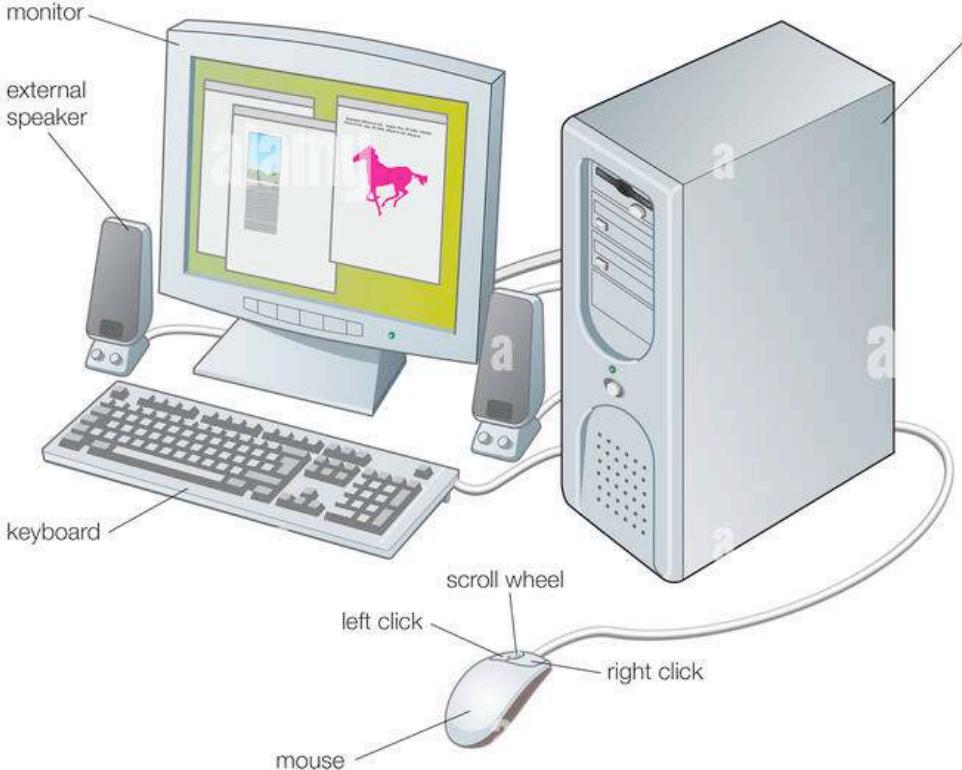
# Digitalització Aplicada al Sistema Productiu

RA1 Classe 03

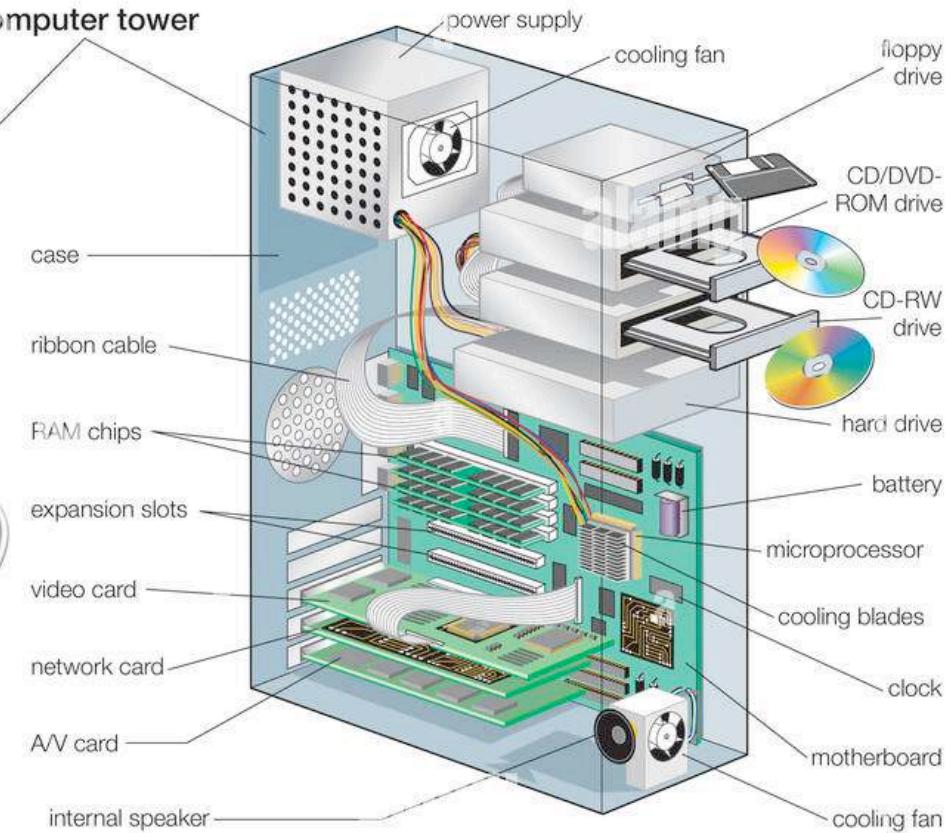
*Què és la digitalització?*

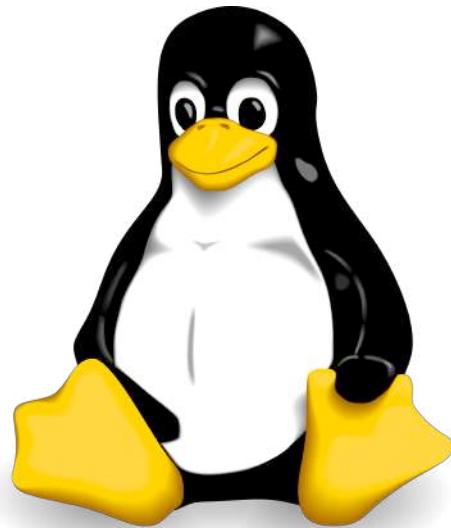
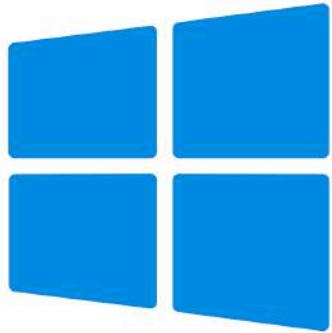


## Personal computer system

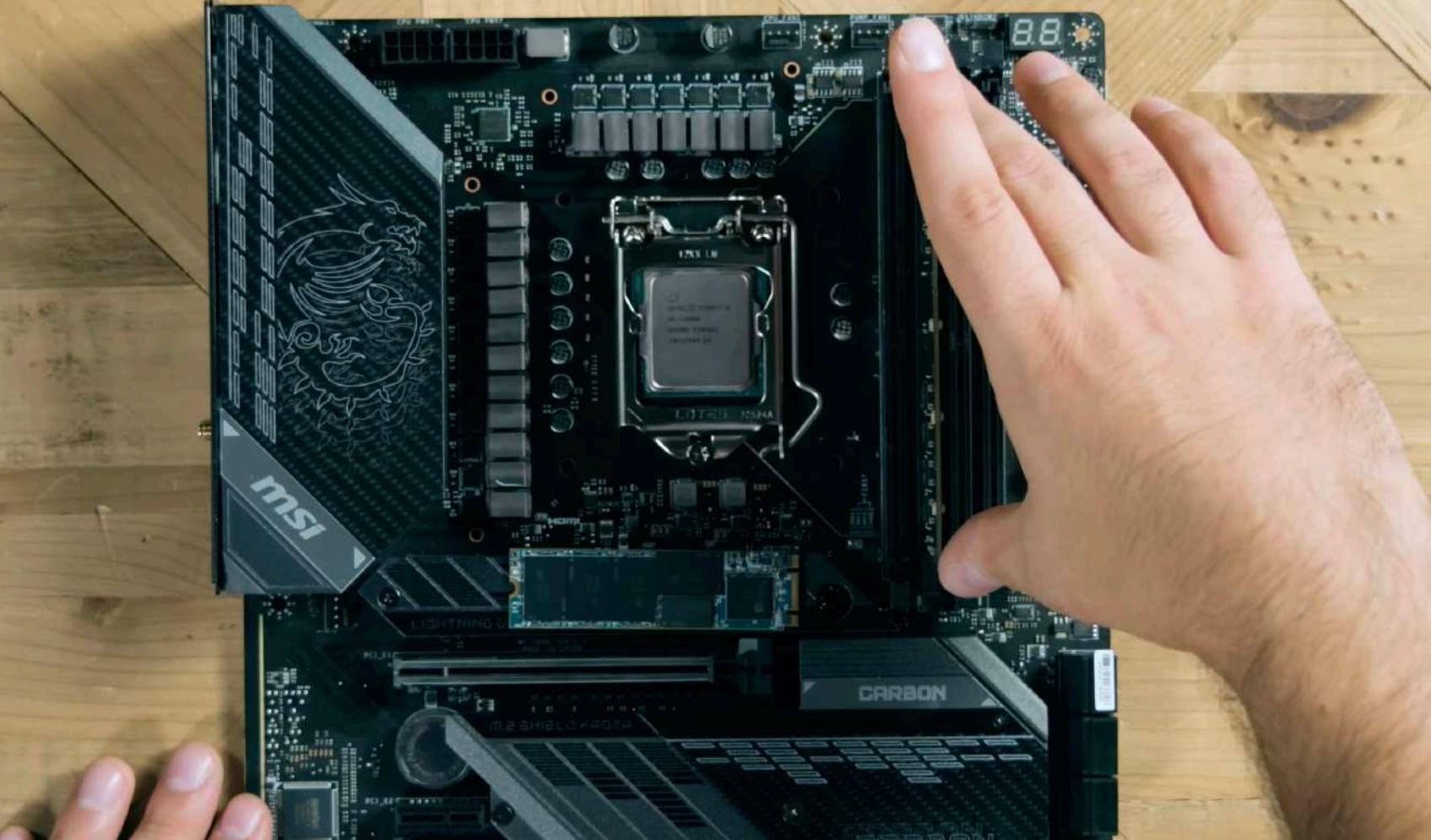


## computer tower









## Activitat 2: Test

Respon al test disponible a moodle  
del video “¿Cómo funciona un PC y  
que hace cada pieza? |  
Componentes del ordenador  
explicados”

# Digitalització Aplicada al Sistema Productiu

RA1 Classe 04

*Què és la digitalització?*

*Ètica*

Paraula a buscar

ètica



Buscar

Esborrar

## Resultats

ètica

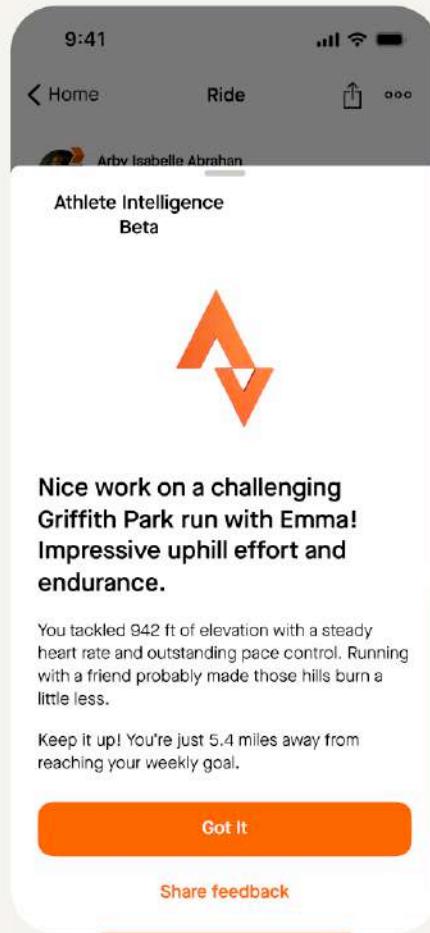
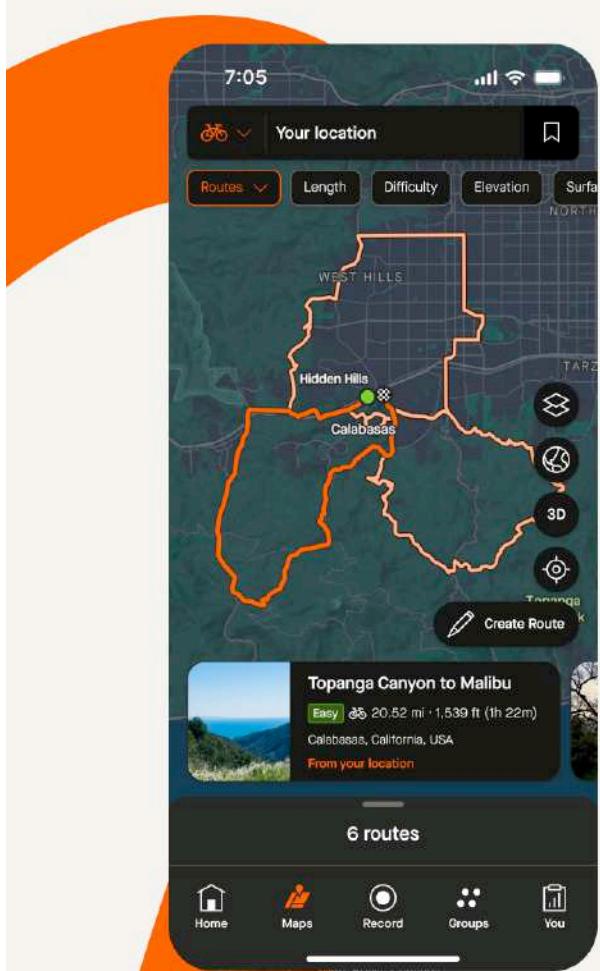
**ètica** [Étika]

1. f. FILOS. Part de la filosofia que tracta de la moral.
2. f. Conjunt de principis i de normes morals que regixen el comportament humà. *Ètica professional.*



1 de 1





# The Strava Heat Map and the End of Secrets

The US military is reexamining security policies after fitness tracker data shared on social media revealed bases and patrol routes



*Strava military map*

 **criticalML** Public

Watch 25

Fork 25

Starred 368

master

2 Branches

0 Tags

 Go to file

Add file

Code

rockita Update README.md

b88c22f · 7 years ago 23 Commits

README.md

Update README.md

7 years ago

README



# Toward ethical, transparent and fair AI/ML: a critical reading list for engineers, designers, and policy makers

In the past 5 years there's been a lot of enthusiasm about AI and specifically machine learning and deep learning. As we continuously deploy AI models in the wild we are forced to re-examine what are the effects of knowledge symbolisation, generalisation and classification on the historical, political and social conditions of human life. We also need to remind ourselves that algorithms don't exercise their power over us. People do.

This reading list is made for engineers, scientists, designers, policy makers and those interested in machine learning and AI. It's an open ended document that examines machine learning as a sociotechnical system and contextualises its critical discourse. For suggestions and comments please tweet @irinimalliaraki or drop me an email at [e.malliaraki16@imperial.ac.uk](mailto:e.malliaraki16@imperial.ac.uk)



These sections aren't in any particular order. There's overlap and interaction between these topics that you can jump around as much as you want; Reading "out of order" could lead to interesting connections.

## About

Toward ethical, transparent and fair AI/ML: a critical reading list for engineers, designers, and policy makers

Readme

Activity

368 stars

25 watching

25 forks

Report repository

## Releases

No releases published

## Packages

No packages published



daviddao / awful-ai

Type to search



Code

Issues 20

Pull requests 5

Discussions

Actions

Projects

Security

Insights



awful-ai

Public

Sponsor

Watch 303

Fork 234

Starred 7.1k

master

2 Branches



1 Tag

Go to file



Add file

Code



cknoblauth Update headings to match index order (#67)

07b3a5e · 7 months ago

76 Commits



.github

Create FUNDING.yml

6 years ago



README.md

Update headings to match index order (#67)

7 months ago

README



# Awful AI

Awful AI is a curated list to track *current* scary usages of AI - hoping to raise awareness to its misuses in society

Artificial intelligence in its current state is unfair, easily susceptible to attacks and notoriously difficult to control. Often, AI systems and predictions amplify existing systematic biases even when the data is balanced.

Nevertheless, more and more concerning uses of AI technology are appearing in the wild. This list aims to track *all of them*. We hope that Awful AI can be a platform to spur discussion for the development of possible preventive technology (to fight back!).

You can [cite the list](#) and raise more awareness through Zenodo.

DOI [10.5281/zenodo.5855972](https://doi.org/10.5281/zenodo.5855972)

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daviddao David Dao

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Learn more about GitHub Sponsors

awful-ai

ARTIFICIAL INTELLIGENCE

# A horrifying new AI app swaps women into porn videos with a click

Deepfake researchers have long feared the day this would arrive.

By Karen Hao

September 13, 2021



AI + ML

This article is more than 1 year old

# Researchers made an OpenAI GPT-3 medical chatbot as an experiment. It told a mock patient to kill themselves

82 

We'd rather see Dr Nick, to be honest

 [Katyanna Quach](#)

Wed 28 Oct 2020 07:05 UTC

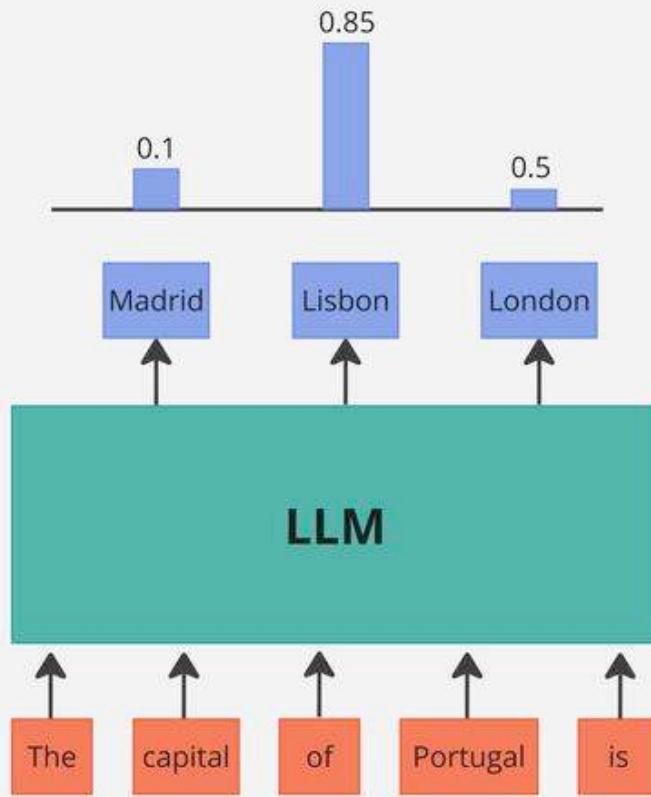


Developers trying to use OpenAI's powerful text-generating GPT-3 system to build medical chatbots should go back to the drawing board, researchers have warned.

For one thing, the artificial intelligence told a patient they should kill themselves during a mock session.

France-based outfit Nabla created a chatbot that used a [cloud-hosted instance of GPT-3](#) to analyze queries by humans and produce suitable output. This bot was specifically designed to help doctors by automatically taking care of some of their daily workload, though we note it was not intended for production use: the software was built for a set of mock scenarios to gauge GPT-3's abilities.

The erratic and unpredictable nature of the software's responses made it inappropriate for interacting with patients in the real world, the Nabla team concluded after running their experiments. It certainly shouldn't diagnose people; indeed, its use in healthcare is "unsupported" by OpenAI.



# What does Mark Zuckerberg's Meta own?



Facebook



Messenger



Instagram



WhatsApp



Threads

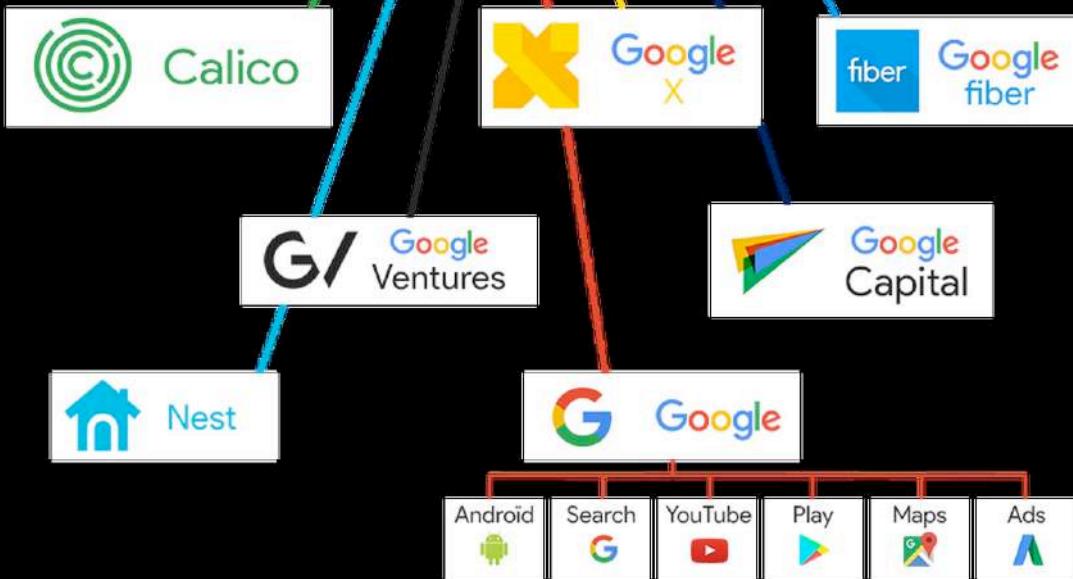


Oculus



Workplace

# Alphabet







*Edward Snowden - TED*

## Activitat 2: Ètica

Busca un article, documental o entrevista relacionada amb l'ús ètic de la tecnologia, referència-ho, explica-ho amb les teues paraules i dona la teua opinió.