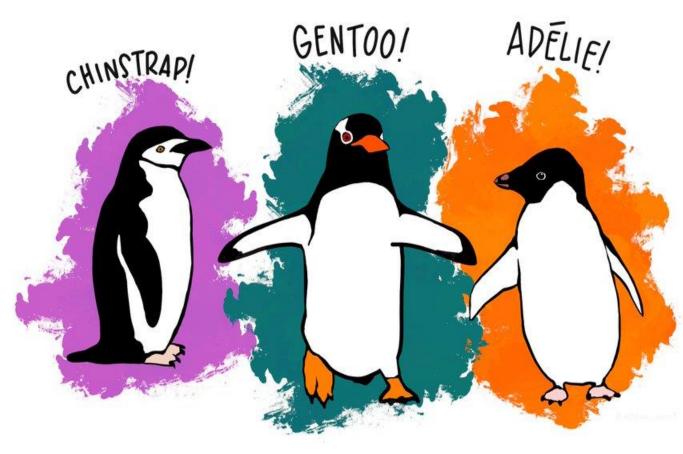


Penguin Dataset

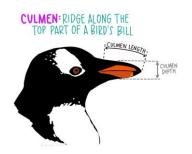


Goal

Determine the species of a penguin

Parameters:

- Culmen length
- Culmen depth
- Flipper length
- Body mass



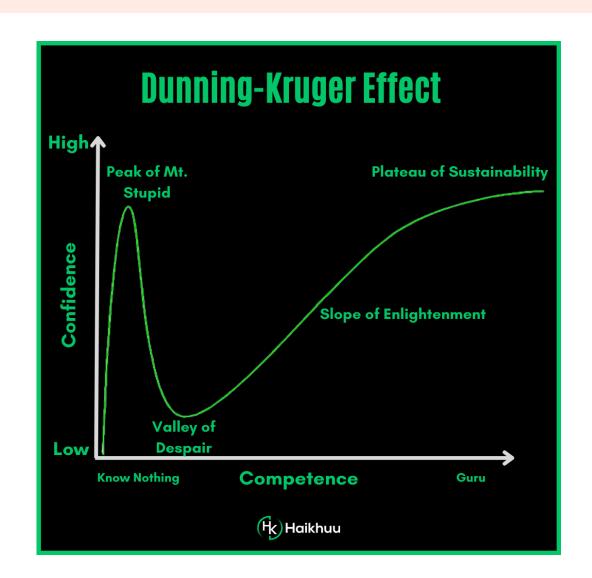
Source : <u>Twitter</u>

Disclaimer

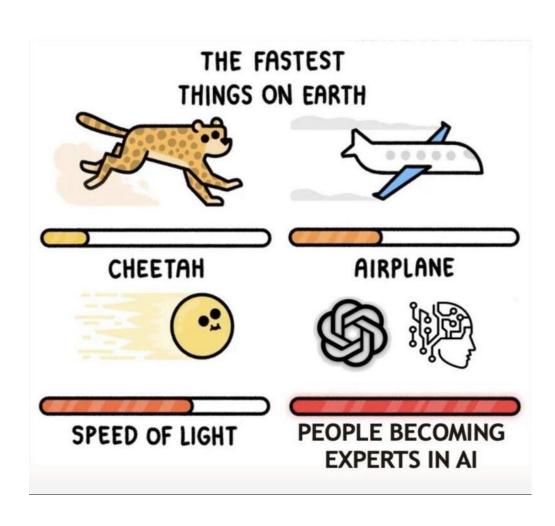




Dunning-Kruger effect



Not an expert!

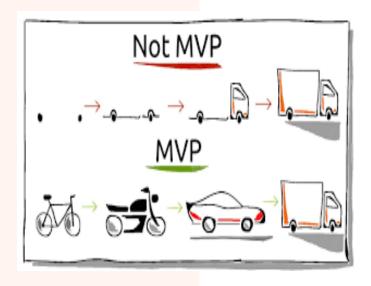


Definition



Visual communication is the practice of using visual elements to get a message across, inspire change, or evoke an emotion.





Perfect MVP

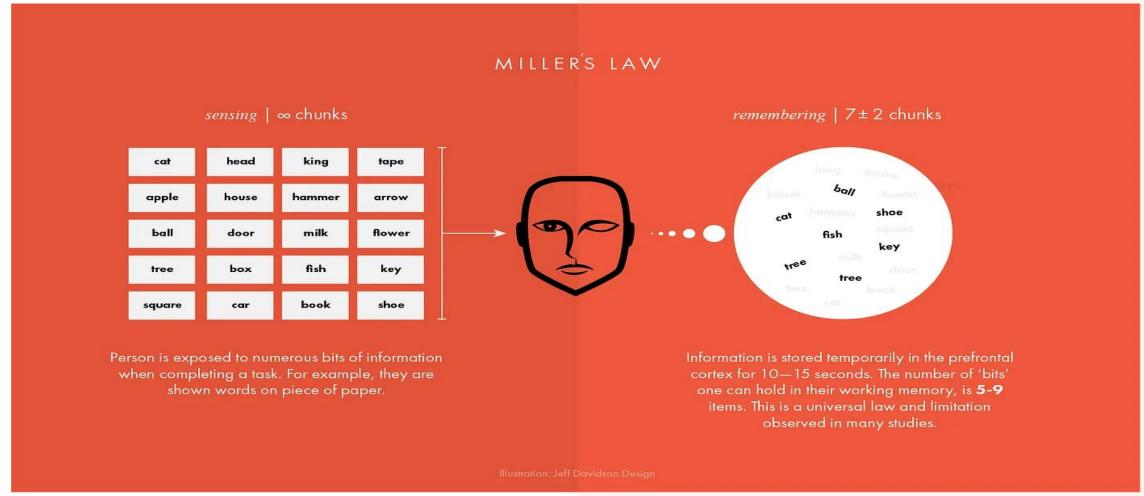
- Communication design refers to crafting a message that educates, motivates, and engages the viewer.
- Graphic design uses design principles to communicate that message in a way that is clear and eye-catching to the intended audience.

BENEFITS OF VISUAL THINKING Reframe Your Thinking Organize Information Make Work Better Connections With Others Visual thinking externalizes thinking so you and others can "see what you mean." This allows you to: Solve Problems Take Action Access Information Make In Digestible Chunks See the Big Achieve Your Informed Picture Communicate Better Goals Decisions

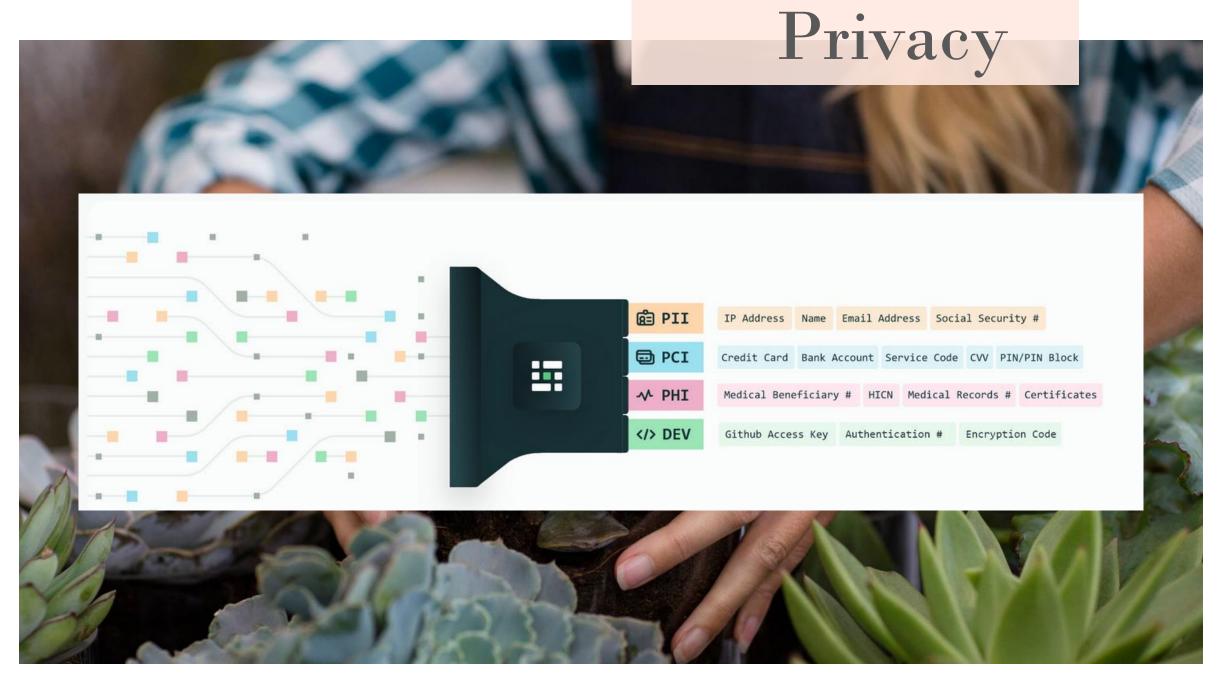
Working Memory – Information Processing



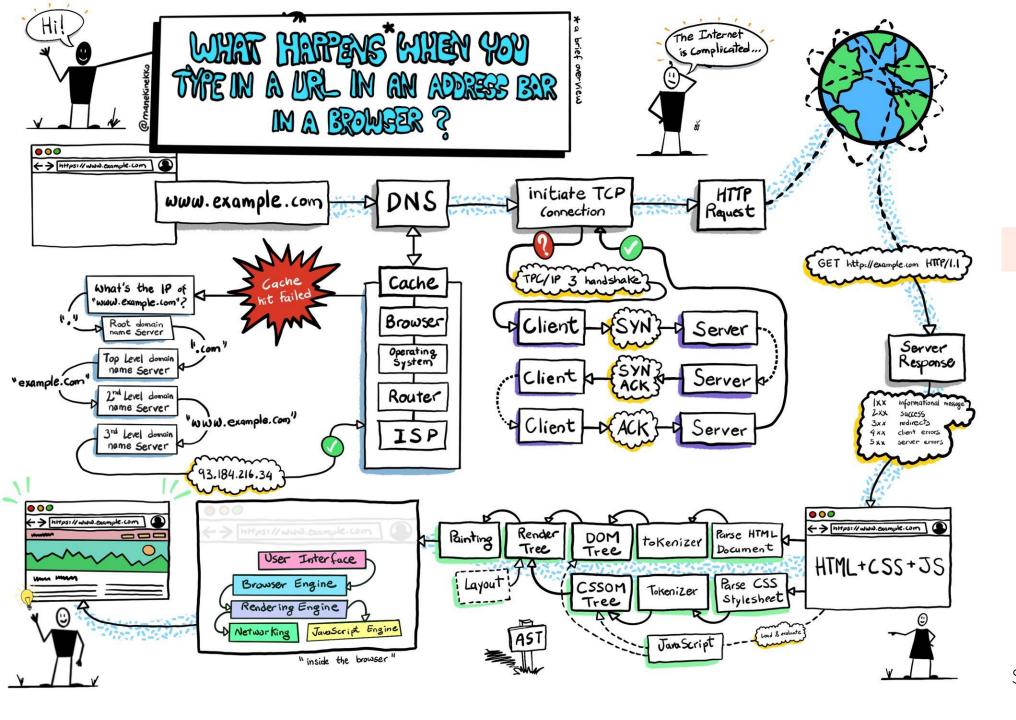
George Miller's Magical Number of Immediate Memory







Source: Medium blog



ELI5

Source: Wassim Chegham

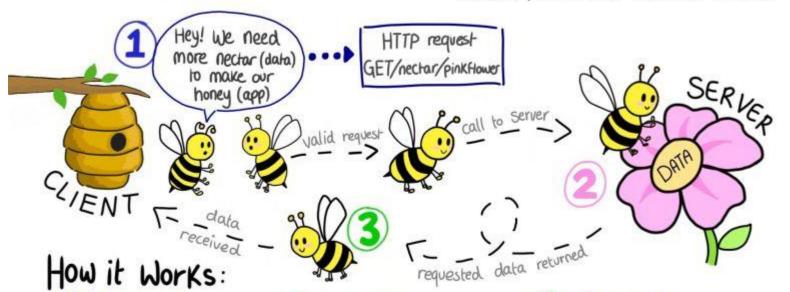
API





An application programming interface

Allows two programs to communicate on the web, APIs sit between an application and a web server, and facilitate the transfer of data.



1 Re

Request

API call is intiated by by the client application via a HTTP request

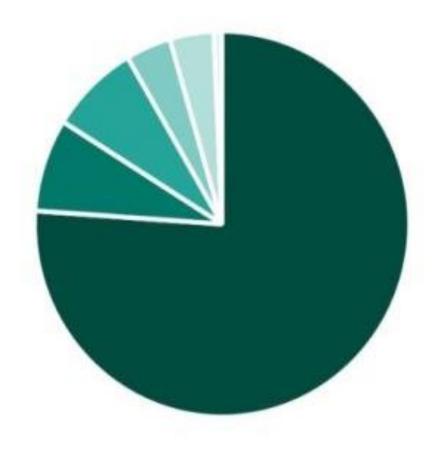
2 Receive

Our worker bee acts as an API, going to a flower (server) to collect nectar (data)

3 Response

The API transfers the requested data back to the requesting application, usually in J30N format





- White, 76.1%
- Hispanic or Latino, 7.8%
- Asian, 7.7%
- Unknown, 3.9%
- Black or African American, 3.8%
- American Indian and Alaska Native, 0.7%

Colors?

Women Earn 92¢ For Every \$1 Earned By Men

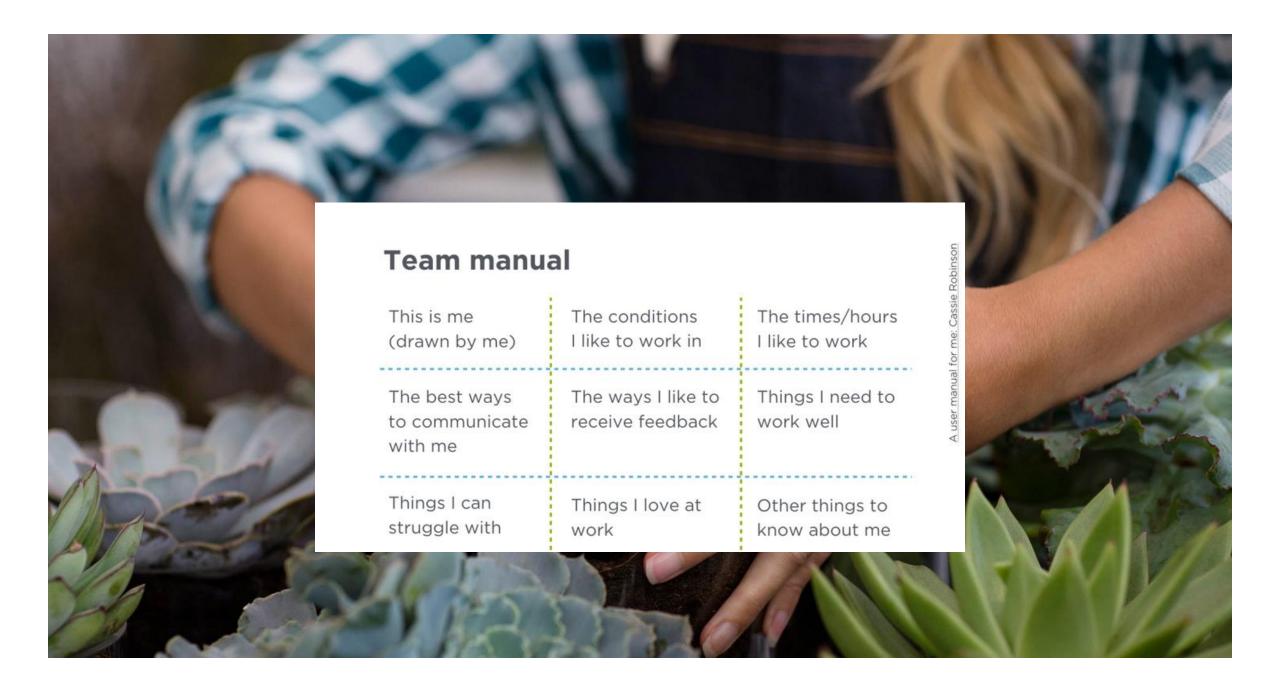
Male Income

The most common ethnicity among chief diversity officers is White, which makes up 76.1% of all chief diversity officers. Comparatively, there are 7.8% of the Hispanic or Latino ethnicity and 7.7% of the Asian

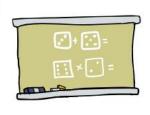
WHAT PEOPLE THINK EMPATHY IS earthbound madness Feeling sorry for someone WHAT EMPATHY ACTUALLY IS Sensing other peoples emotions Imagining how someone feels Imagine what someone is thinking Mirroring someone's feelings Identify how a person is feeling Understanding another person's feelings Seeing things from another point of view Really listening to what others have to say Feeling overwhelmed by others tragedy

Colors?





Hello, I'm Vaishnavi









Software Engineering

Things I do

Team collaboration Ideation

Teaching

Public Speaking

Visual Communication

Vancouver

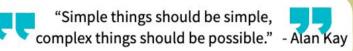
How to Give Me Feedback or

Direct constructive feedback provided with utmost honesty to help me grow. Data driven and candid conversations with potential solutions for me to thrive and succeed.

Working Patterns 🧐



- O Morning Person
- OEnjoy a quiet and vibrant environment
- OFollow Pomodoro Technique 🧶





Mickey Mouse Job #halfbaked



Yak Shaving









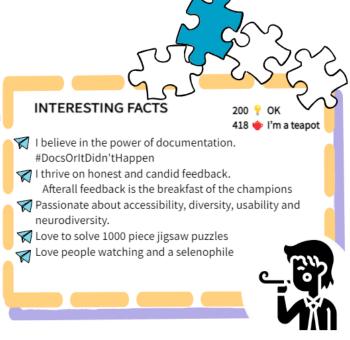


Things I struggle with A











500 i Internal Server Error 506 📞 Variant Also Negotiates

People pleaser, leading to overcommitment

Struggle to say **no**

Self- critic

Don't always take my own advice

Falling victim to comparison trap

Can get in my own way







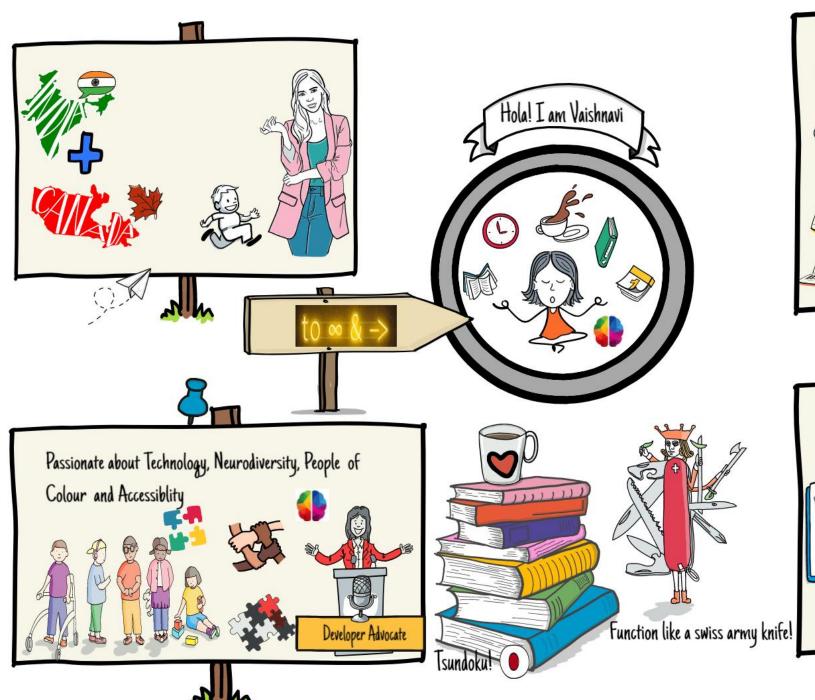


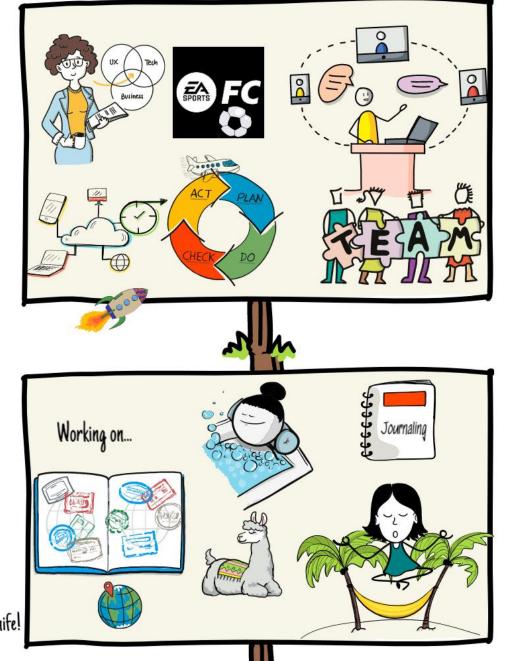




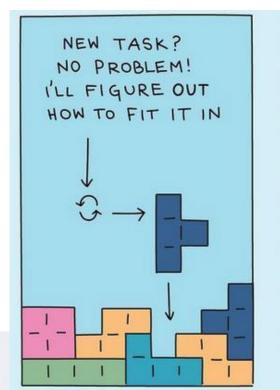
Title: Manual Of Me Version: 1.0

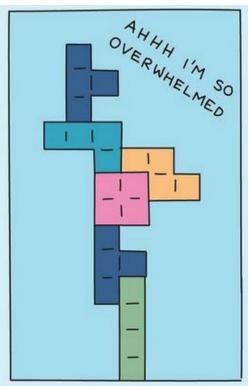
Release: March 2023





Ideas





```
import time

def pomodoro_timer(minutes):
    for i in range(minutes * 60, 0, -1):
        print(f"Time remaining: {i//60}:{i%60:02d}", end="\r")
        time.sleep(1)
    print("Time's up!")
```



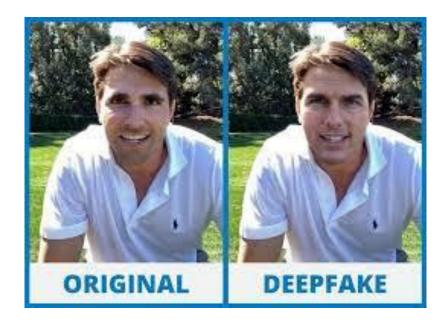
What next?

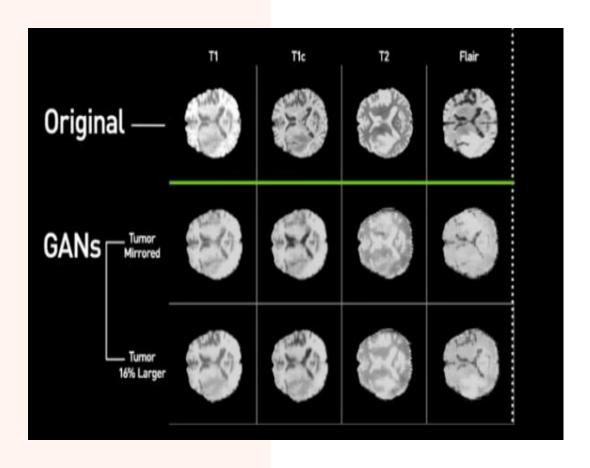
Convergence

In today's digital world, AI, cloud computing, the internet of things (IoT), and superfast networks such as 5G are the cornerstones, and data is the fuel that drives them all. These technologies are some of the data science latest trends. Together, these technologies enable much more than they can do separately.

DEEPFAKE TECHNOLOGY: SEEING IS BELIEVING, OR IS IT?







Deepfakes, Generative AI, and Synthetic data

- Synthetic faces of people who have never existed can be created to train facial recognition algorithms while avoiding the privacy concerns involved with using real people's faces.
- It can be created to train image recognition systems to spot signs of very rare and infrequently photographed cancers in medical images because of lack of data due to privacy reasons, financial constraints, and rare diseases with few examples and little data to pull from.
- To create language-to-image capabilities, allowing, for example, an architect to produce concept images of a building simply by describing how it will look in words.



Deepfakes, generative AI, and synthetic data

- Synthetic voices have been used to help patients with ALS (Amyotrophic Lateral Sclerosis) who, due to the disease, often lose some or all of their ability to speak. With the use of this technology, they can speak with their loved ones with a voice that sounds just like theirs.
- For educational purposes, deepfakes can be used to imitate teachers or bring back historical figures.
- In film, the accessible nature of deepfakes means that independent creators without huge budgets can create their art.
- online shoppers trying on clothes in virtual fitting rooms, for dynamic museum dioramas and for actors hoping to speak multiple languages in international movie releases.



Deepfakes, Generative AI, and synthetic data – Word of Caution

- Double Edged sword
- Deepfakes are often weaponized against women. The majority of deepfakes on the internet are pornographic, in which female celebrities' faces are infused into these videos.



BraveConversations

Public event that brings together people from different walks of life, to debate and understand our fast changing reality, catalyzed by the Web and AI.

Our 21st Brave Conversations in the heart of the European Union as the world struggles to come to terms with the Age of AI for Humans



Thank you