

Mind Meets Machine: AI tools and trends in Interreg programme management

# Generative AI: audiovisual models

Arkam Oğrak / Interact / 26 November 2025

**Interact**



Co-funded by  
the European Union  
Interreg































# Text-to-image tools

Midjourney: Realistic, artistic generations

ChatGPT (Previously Dall-e): Generations through 'natural language' prompts

Stable Diffusion: Open source, base model for many tools on the market

Gemini (Google), Co-pilot (Microsoft): Combined with LLMs

Nano Banana (In collaboration with Google): 'visual reasoning'

Freepik: Free alternative to Midjourney

Runway ML: Versatile use, text to image, text to video, editing, etc

Qwen, Hunyuan, Alibaba Wanxiang: Chinese models

Leonardo, Nightcafe, **etc**: Versatile use, switch between models

...and many more popping up







# Midjourney (r)Evolution

Prompt: Latvian farmer with a gigantic  
pumpkin, realistic photo --v



# Midjourney (r)Evolution



v1, Feb 2022



v2, Apr 2022



# Midjourney (r)Evolution



v3, July 2022



v4, Nov 2022



# Midjourney (r)Evolution



v5, Mar 2023



v5.1, May 2023



# Midjourney (r)Evolution



v5.2, June 2023



v6, Dec 2023



# Midjourney (r)Evolution



V6.1, Jul 2024



v7, Apr 2025



# Midjourney (r)Evolution



v1, Feb 2022



v7, Apr 2025

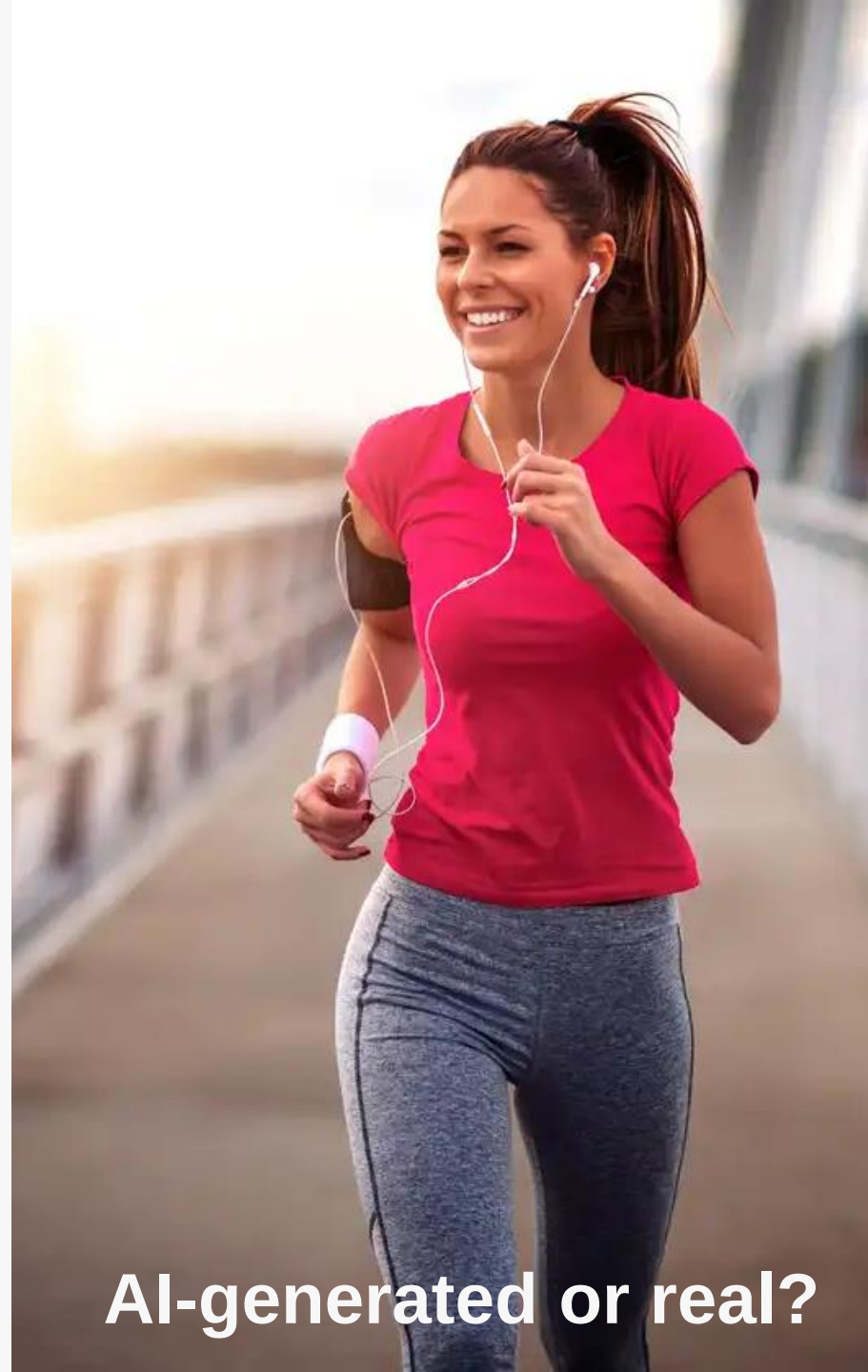




AI-generated or real?







AI-generated or real?



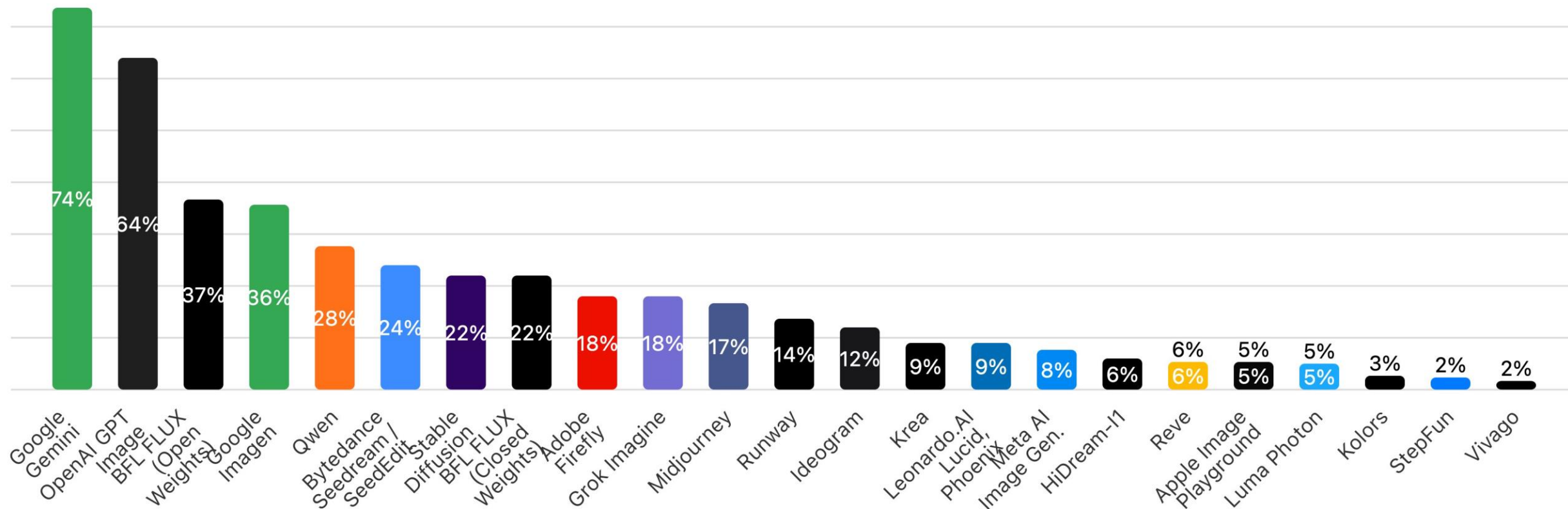




## Image: Google Gemini leads image model adoption at 74%, followed closely by OpenAI, then by Black Forest Labs (FLUX)

Models Used – Which Image Generation model families [are you / is your organization] currently using? (Select all that apply) (n=209)

Artificial Analysis





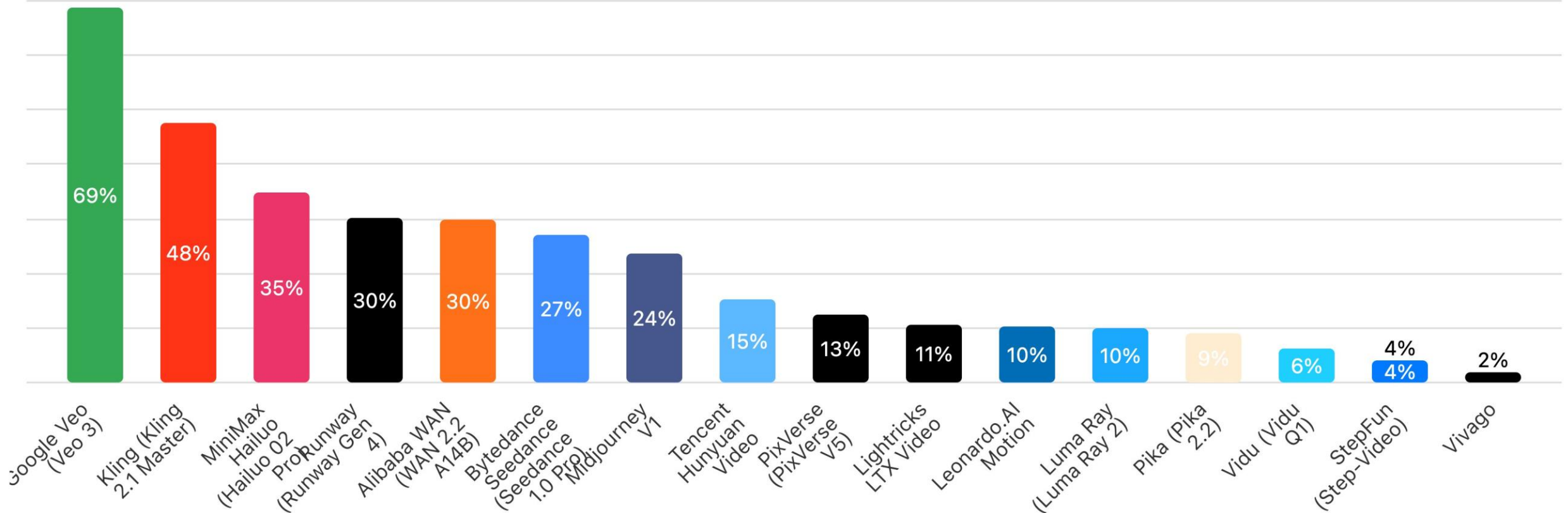


Video

# Video: Google leads video model adoption at 69%, followed closely by Kling and then Hailuo, Runway and Alibaba

Models Used – Which Video Generation model families [are you / is your organization] currently using? (Select all that apply) (n=129)

Artificial Analysis

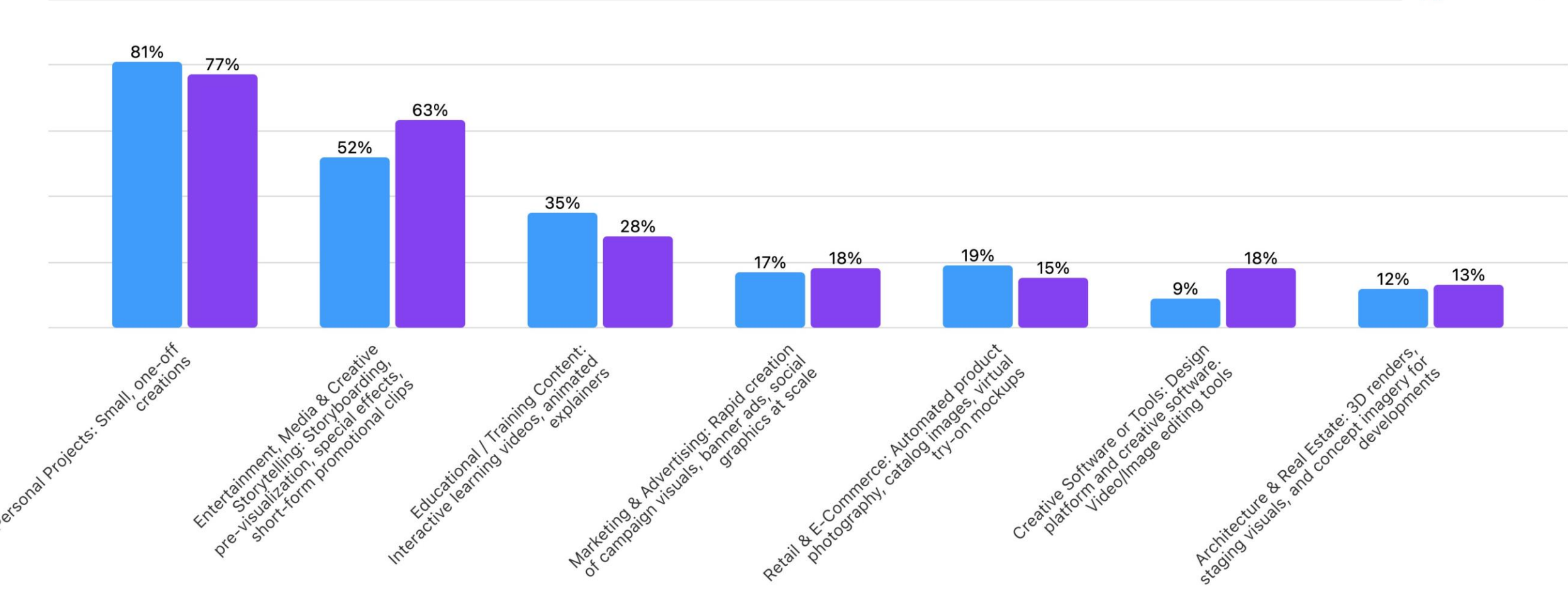




# Personal: One-off personal projects dominate both image and video model use amongst respondents, entertainment and storytelling follow

Current use – What do you primarily generate [image / video] for? (Select all that apply)

Image (n=130) Video (n=88)





## Original



[Steve McCurry](#) **Afghan Girl, 1984**

## Midjourney



/imagine Teenage girl, Afghan refugee, emerald eyes, red head scarf, national geographic photography, cinematic, global illumination, Kodachrome 64 colour-slide film, Nikon FM2 camera, Nikkor 105mm Ai-S f/2.5 lens, --ar 2:3 --v 4



Events

TEXT CHANNELS

# ikf-riga

# visuals-for-ppt

# athena-ai-session

# cap-com-valencia

# espon-story-video

# webinar-clean-page

# basic-prompting

# chaos

# stylize

# weird

# view-angles

# cameras

# art-styles

# artists

# video

# blend-command

# advanced-final

# general

# interreg-video

# interreg-video2

# private

# describe

# ai-presentation

# wallpapers

Arkam

Arkam used `/settings`

Midjourney Bot Today at 22:22

Adjust your settings here. Current suffix: `--v 5.2`

Midjourney Model V5.2

RAW Mode Stylize low Stylize med Stylize high Stylize very high

Public mode Remix mode High Variation Mode Low Variation Mode

Sticky Style Turbo mode Fast mode Relax mode Reset Settings

Arkam used `/imagine`

Midjourney Bot Today at 22:23

Teenage girl, Afghan refugee, emerald eyes, red head scarf, national geographic photography, cinematic, global illumination, Kodachrome 64 colour- slide film, Nikon FM2 camera, Nikkor 105mm AI-S f/2.5 lens, --ar 2:3 --v 4 - @Arkam (0%) (fast)

COMMANDS MATCHING `/im`

`/imagine` prompt  
Create images with Midjourney

`/timeout`  
Time out user

`/describe`  
Writes a prompt based on your image

`/blend`  
Blend images together seamlessly

`/im`

ONLINE -- 2

Arkam

Midjourney Bot



# Midjourney Prompts: How a Comma Affects the Output



@ciguleva

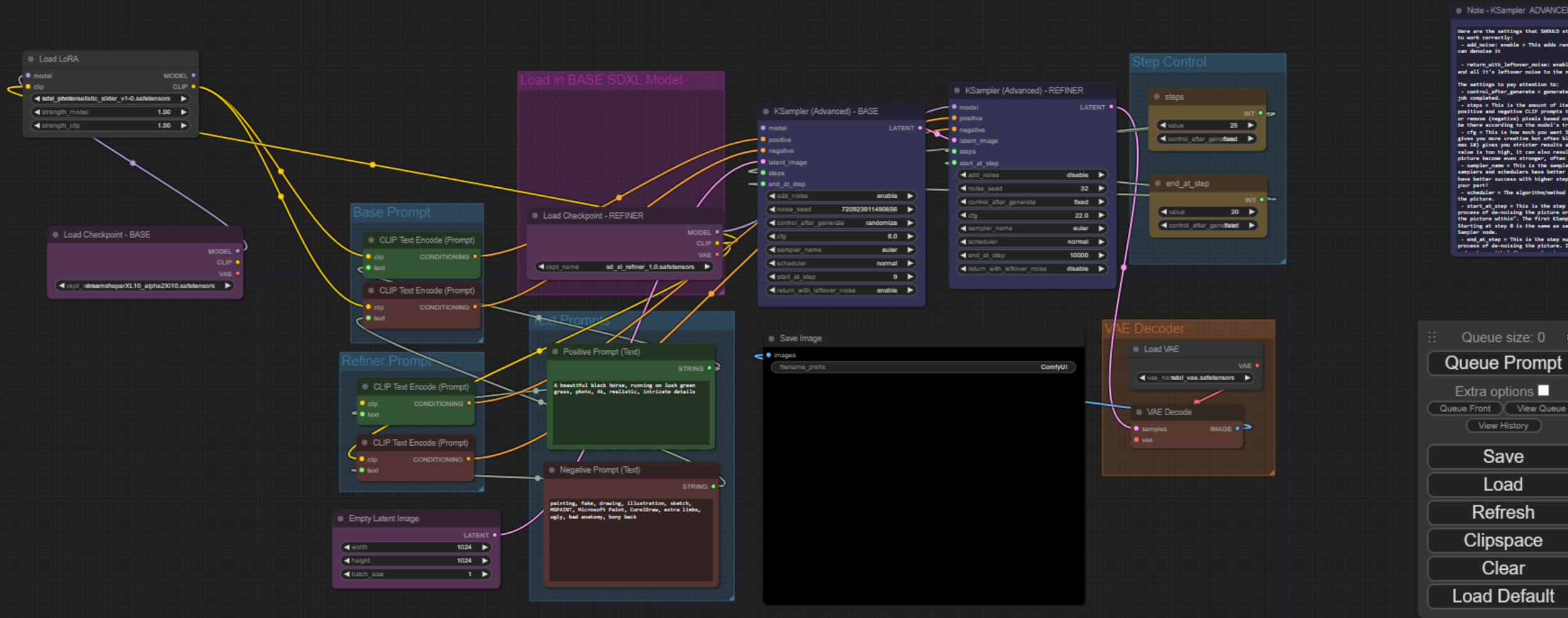
photo of a minimalist futuristic transparent car, forestpunk, muted tones, neon

photo of a minimalist, futuristic, transparent, car, forestpunk, muted, tones, neon





# Stable Diffusion





## OpenArt.ai (SDXL tool tweaked by Openart)



Prompt: Realistic photo, old woman with dementia, smiling



## Juggernaut XL (SDXL based tool)



Prompt: Realistic photo, old woman with dementia, smiling



# Midjourney v6



Prompt: Realistic photo, old woman with dementia, smiling



# Midjourney v5.1

Prompt: Realistic photo, old woman with dementia, smiling





# Upscaling

[Advanced upscaling](#)



Magnific AI

(new upscale model)

Relight

👁️ View🤍 Favs🏷️ Tags🔺 All spells

🔍 Search for a prompt or a tag

» Style Transfer

CreativePrecision

Version ?

v2 (sublime) ▾

Input images



1

⬆️ Upload

Scale factor

4x ▾

Sharpen ? 30%

Smart grain ? 4%

Upscale

Final size: 4096 × 4096  
This will cost 14





# Generative fill/inpainting feature

[Link to the video](#)



## Outpainting/zoom out feature

[Link to the video](#)





# Blend feature



+

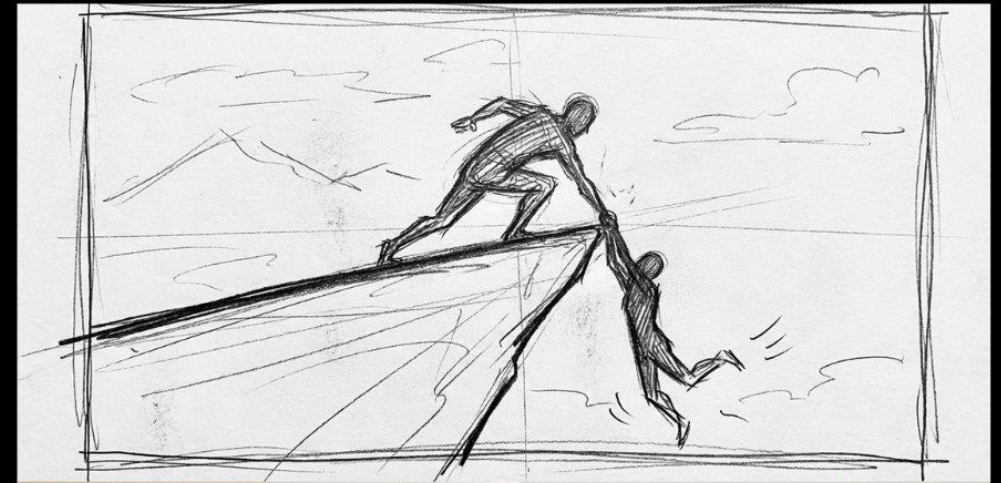


=



## Made with Nano Banana Pro

Prompt: Realistic cliff rescue, use man photo as hero, woman photo as one slipping, match sketch side pose and composition precisely, mountain photo (style reference) for background.



Character 1



Character 2



Style Reference



Output



## Describe feature (img-to-text)

- 1 a young woman with a red scarf and blue eyes, in the style of national geographic photo, dark emerald and light brown, light red and green, portraitist extraordinaire, use of screen tones, pop-culture-infused --ar 37:56
- 2 an embroidered shawl has a girl's face that is looking at the camera, in the style of [steve](#), light red and green, [steve hanks](#), associated press photo, pure color, wandering eye, dau-al-set --ar 37:56
- 3 this girl is wearing red and green shawl, in the style of national geographic photo, intense gaze --ar 37:56
- 4 a young woman with scarred skin wearing scarf, in the style of [steve](#), photorealistic eye, realistic color schemes, [edwin lord weeks](#), light red and dark emerald, made of all of the above, distinctive noses --ar 37:56



 Imagine all

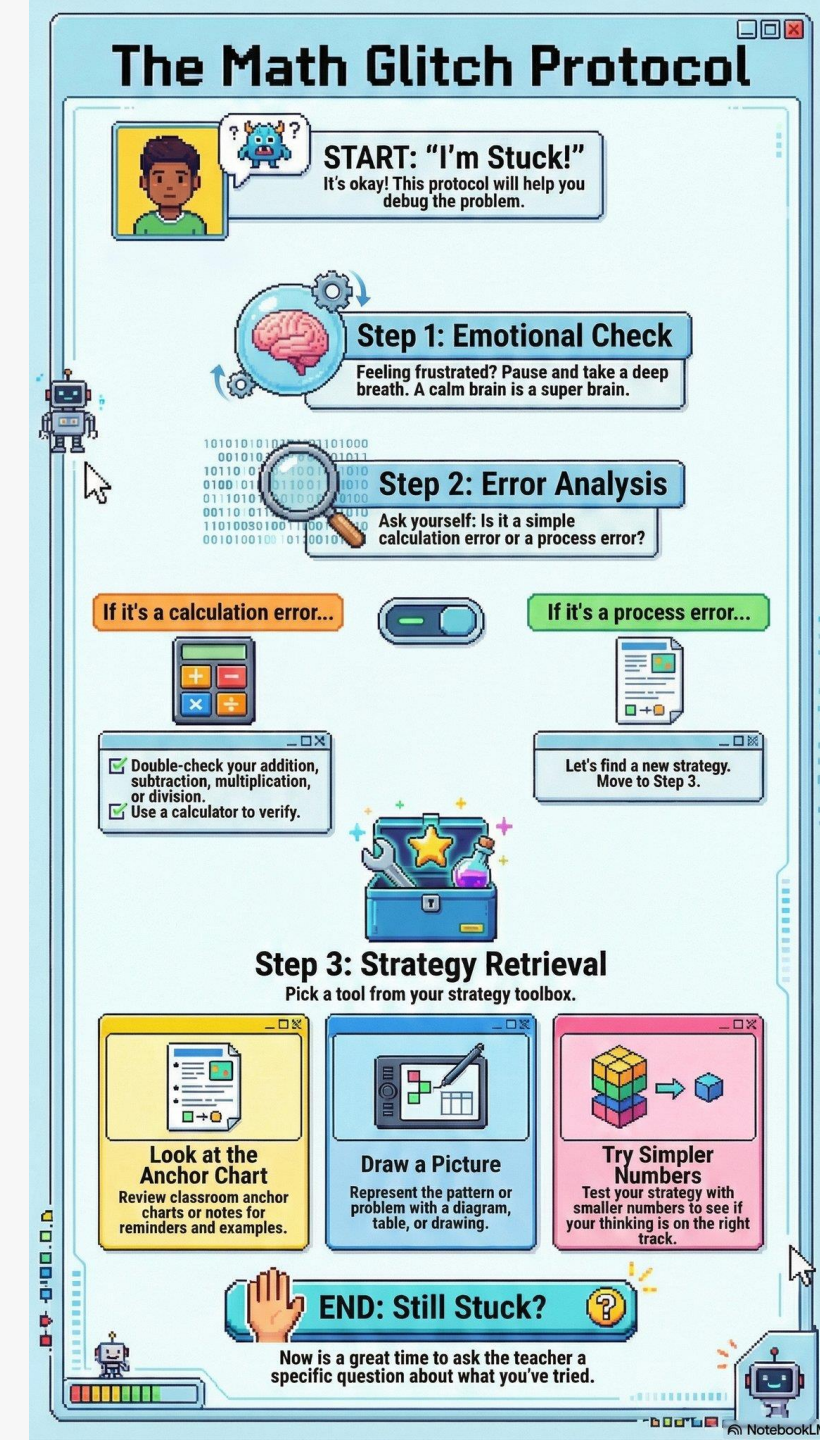
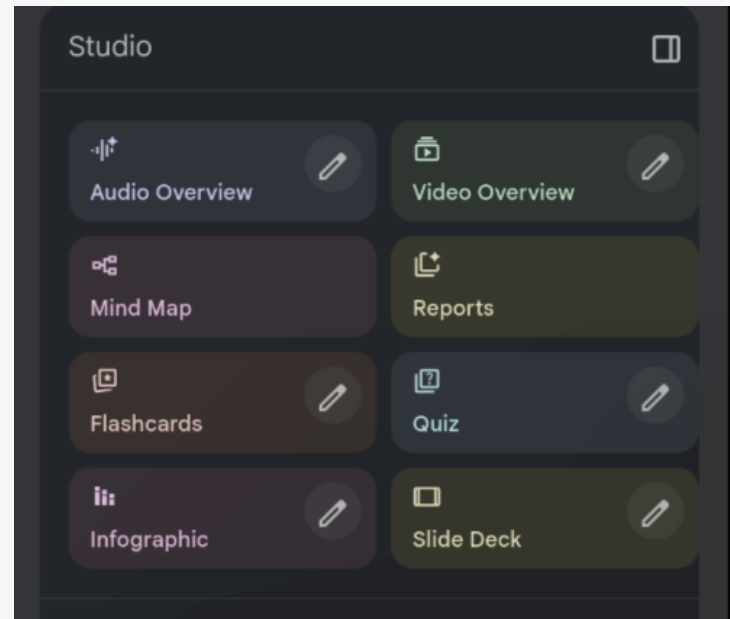
# Copying styles – possibilities are endless!





Prompt: Act as a UX Designer & Special Education Specialist. Goal: A visual tool for students to use independently when they get stuck, encouraging self-regulation before asking the teacher.

## NotebookLM infographics





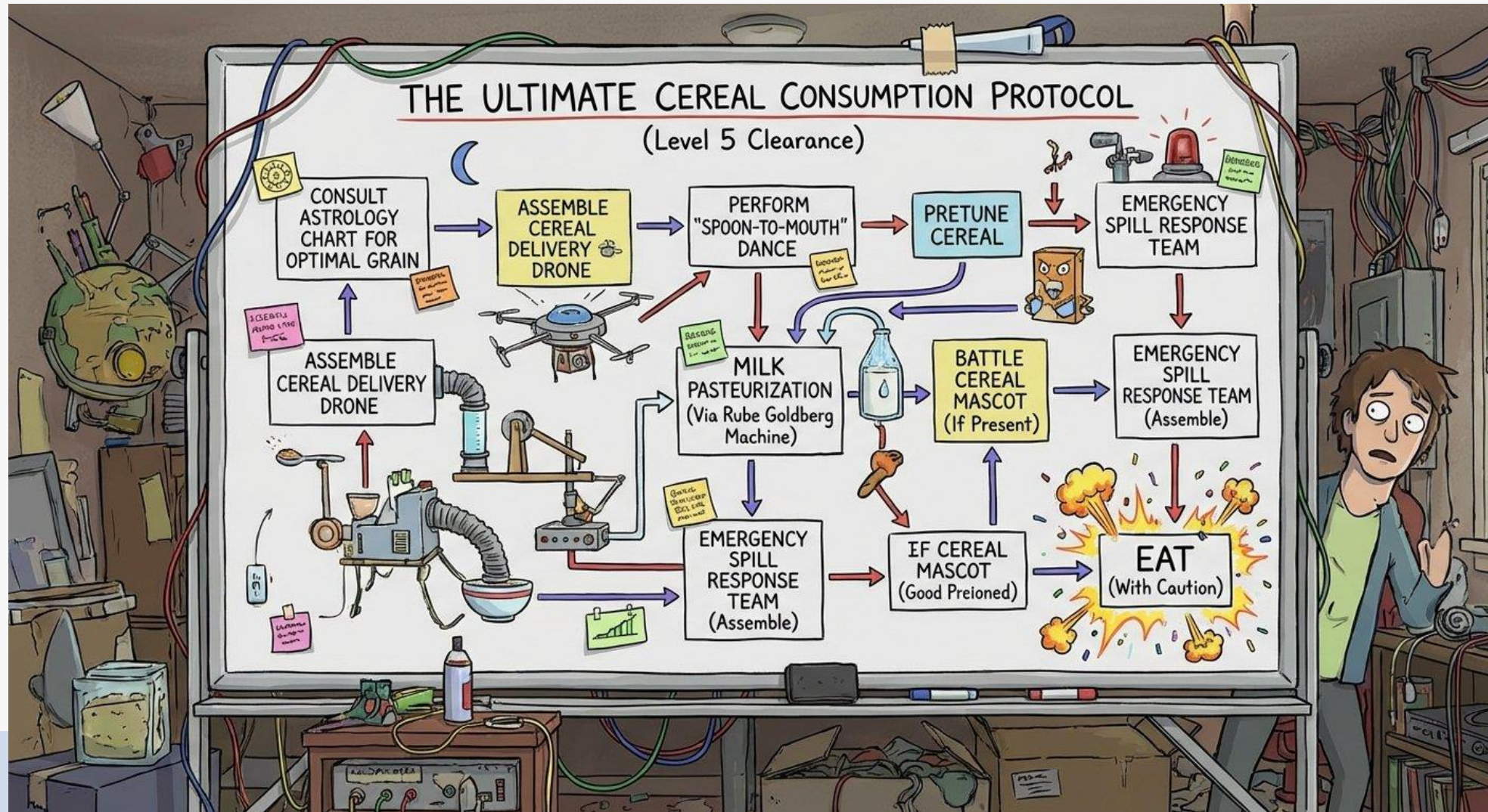


Omar Sanseviero ✓  
@osanseviero

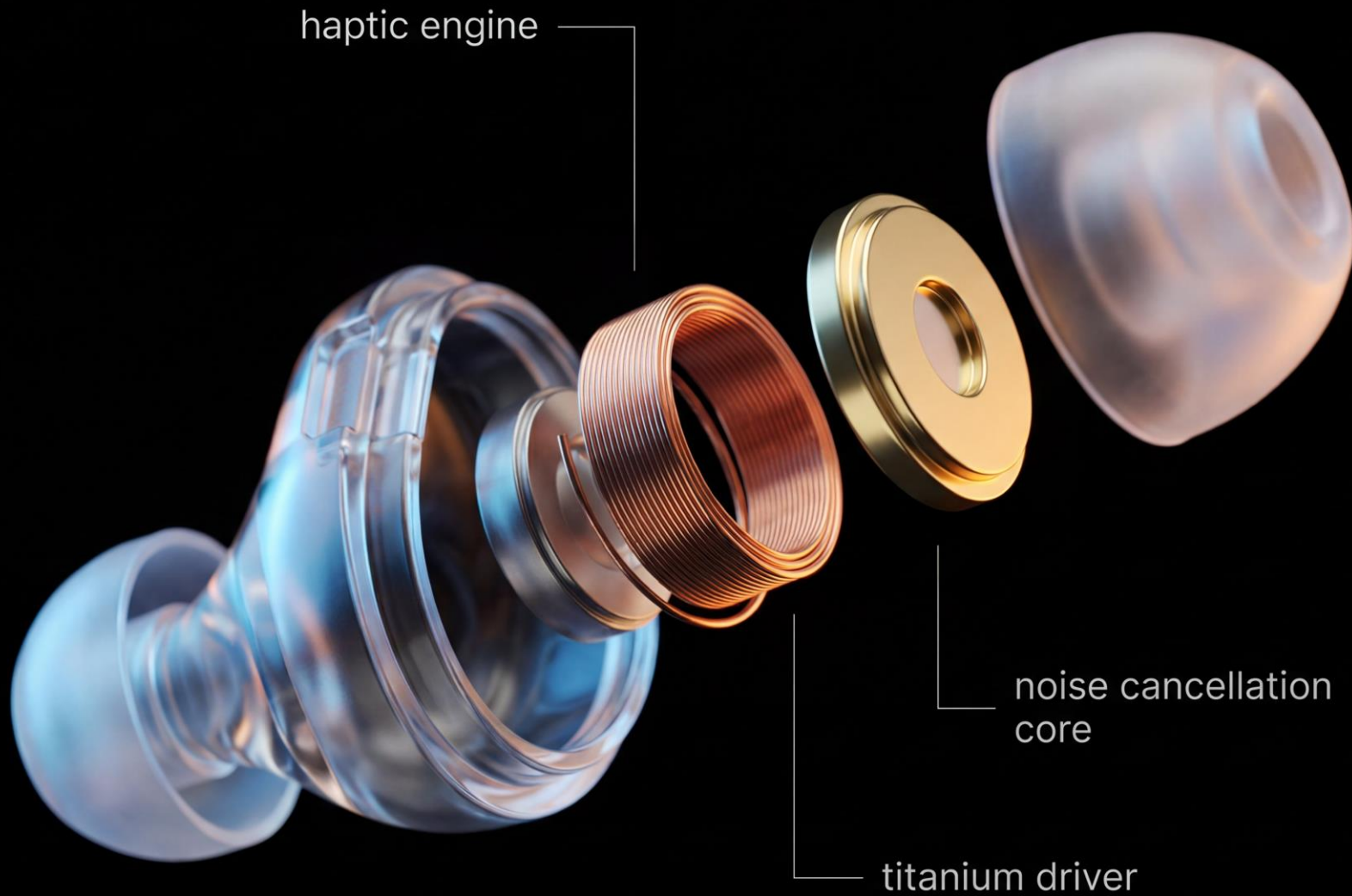
. @NanoBanana

generate an image of a flowchart for how to eat cereal, make it as wacky and over the top and complicated as possible.

6:23 PM · Nov 20, 2025 · 292.1K Views







# La Guerra dei Cent'anni: Una Lunga Battaglia tra Re

Una storia di re, cavalieri, nuove armi e una giovane eroina.

## Perché è Iniziata la Guerra?



FILIPPO  
(francese)



INGHILTERRA  
Edoardo  
(re d'Inghilterra)

Chi sarà il Re di Francia?  
Il re di Francia è morto  
senza lasciare un figlio  
maschio. Due persone  
volevano la corona.

La guerra comincia:  
I nobili francesi hanno scelto  
Filippo, il re d'Inghilterra non era  
d'accordo e ha dichiarato guerra  
per prendersi il trono.



## Le Nuove Armi Che Hanno Cambiato Tutto



L'Arco Lungo  
Inglese  
(Longbow)  
Un arco molto alto e  
potente. Gli arcieri  
lanciarono  
tantissime frecce  
molto velocemente  
e da lontano,  
fermando cavalli  
e cavalieri.

## Come si Combatteva

Prima:  
I Cavalieri a Cavallo  
All'inizio, i soldati più forti  
erano i nobili cavalieri  
con pesanti armature.



Poi: I Soldati a Piedi  
Gli inglesi usarono una nuova  
tattica: tanti soldati a piedi con  
nuove armi che riuscivano a  
sconfiggere i cavalieri.



La Balestra  
Lanciava frecce speciali  
chiamate "quadrelli", così  
forti da bucare anche le  
armature più spesse.

## Un'Eroina per la Francia: Giovanna d'Arco

La Francia stava perdendo  
Dopo tante sconfitte, sembrava che  
l'Inghilterra stesse per vincere. I  
francesi erano tristi e senza speranza.

● Arriva Giovanna  
Una giovane contadina di  
nome Giovanna d'Arco  
disse di aver sentito voci da  
Dio per salvare la Francia.

● La vittoria di  
Orléans  
Giovanna ha guidato  
l'esercito, dato coraggio  
e liberato la città di  
Orléans.

● La speranza rinasce  
Grazie a Giovanna, i francesi  
hanno ricominciato a credere  
di poter vincere e hanno  
combattuto con più forza.



La Bombarda  
(Il primo cannone)  
La prima arma da fuoco.  
Sperava grosse palle di  
pietra o metallo per fare  
grandi danni ai castelli.

## La Fine della Lunga Guerra

La Francia vince  
Ispirati da Giovanna d'Arco, i  
francesi hanno continuato a  
combattere e hanno ricon-  
quistato quasi tutti i territori.

Una guerra durata  
116 anni  
La guerra è finita nel 1453.  
Agli inglesi è rimasta solo la  
piccola città di Calais.



116  
ANNI  
La guerra è finita nel  
1453. Agli inglesi è  
rimasta solo la piccola  
città di Calais.



Due regni diversi  
Dopo la guerra, la Francia è  
diventata un regno più forte  
e unito, mentre l'Inghilterra  
si è concentrata sul mare.



# Life at the Extremes of Scale and Metabolism

## The Shrew

"The most terrible mammalian predator (gram for gram) on Earth."

**< 1 DIME**

Weight

**3x**

Daily food intake  
relative to its weight

**3-4 HRS**

Time to starvation

In one instance, a shrew devoured its two companions and then, driven by its metabolism, its own tail.

## The Hummingbird

"The highest metabolism rate of any bird or mammal."

**720+**

Heartbeats per minute

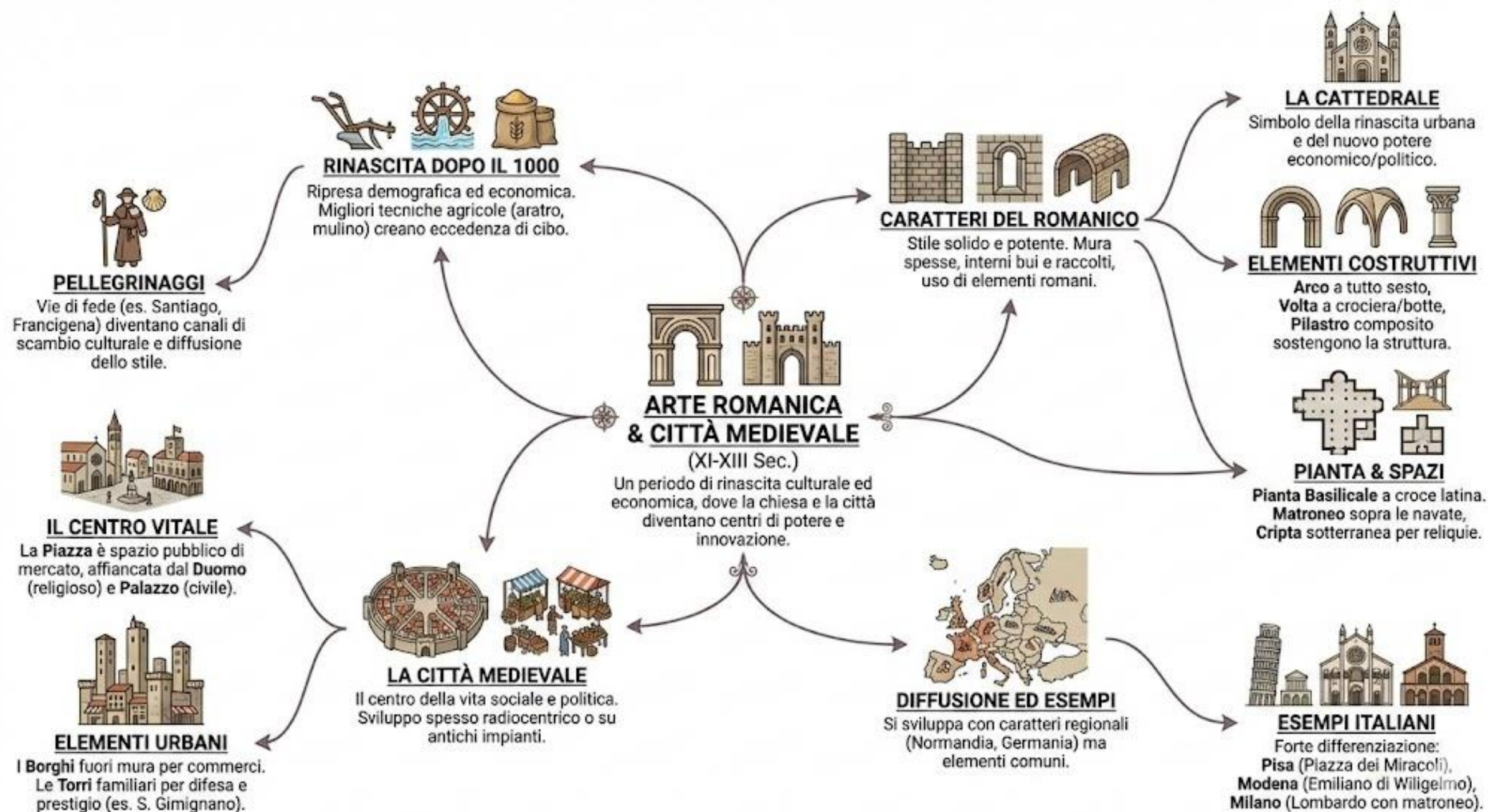
**1/15th**

Nightly metabolic drop, a process called "noctivation"

**115°F → AIR TEMP**

Nightly body temperature drop







# HOW TO TIE A TIE: THE SIMPLE FOUR-IN-HAND KNOT

## 1. START



## 2. CROSS OVER



## 3. OVER & AROUND



## 4. UP THROUGH LOOP



## 4. UP THROUGH LOOP

## 5. DOWN THROUGH FRONT



## 5. DOWN THROUGH FRONT

## 6. TIGHTEN & ADJUST



## 6. TIGHTEN & ADJUST

*Aesthetic & Easy. Perfect for beginners.*



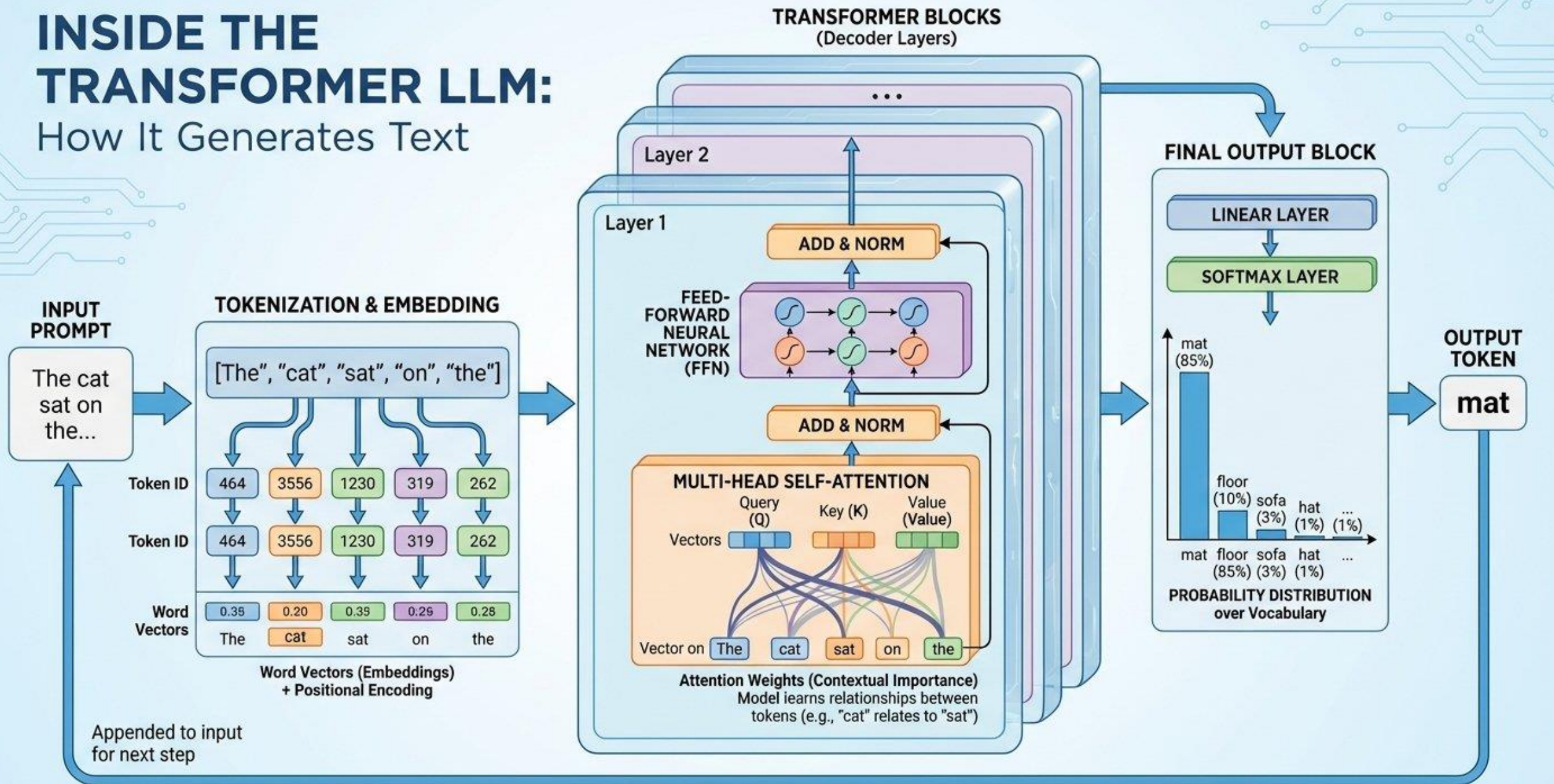
## GOLDEN GATE BRIDGE, 1937





# INSIDE THE TRANSFORMER LLM:

## How It Generates Text

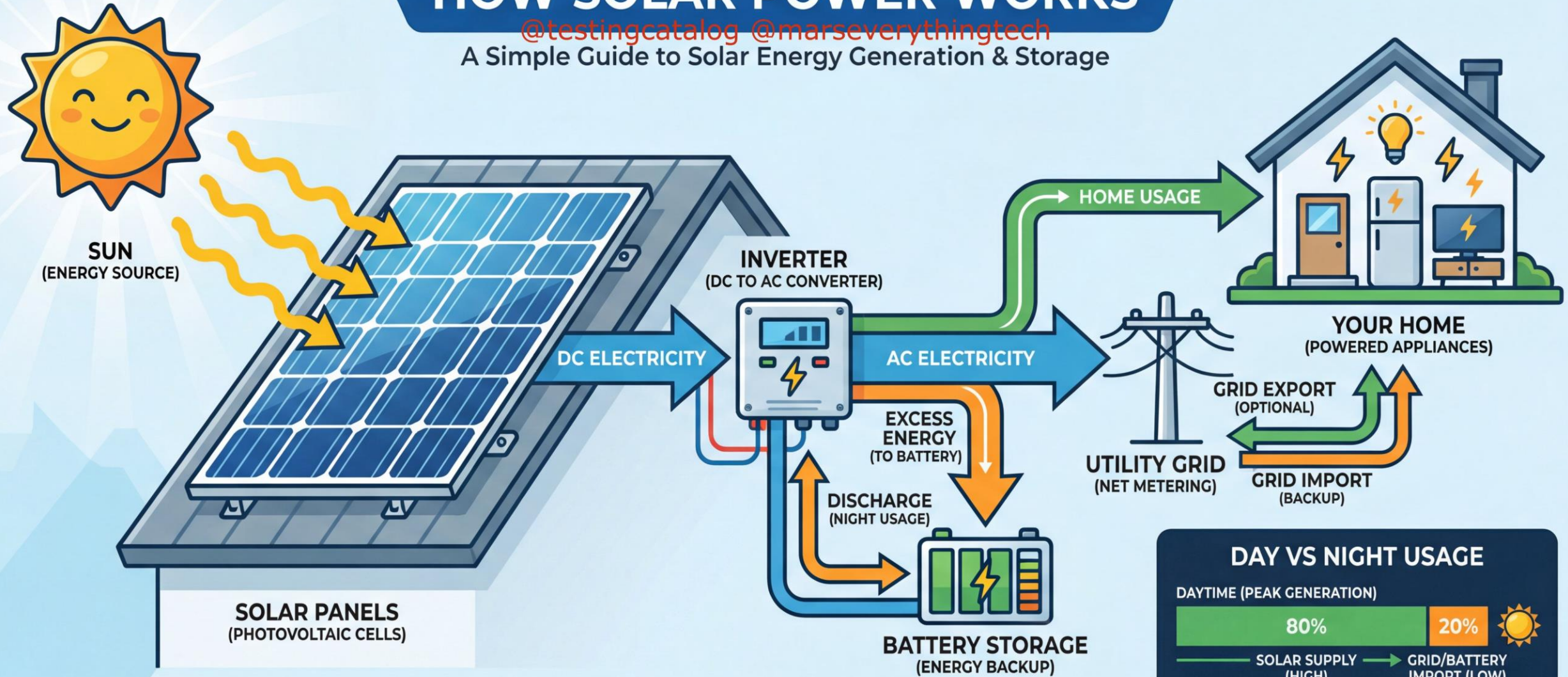




# HOW SOLAR POWER WORKS

@testingcatalog @marseverythingtech

A Simple Guide to Solar Energy Generation & Storage



**1 STEP 1: SUNLIGHT ABSORPTION**  
Panels capture sunlight, converting photons into Direct Current (DC) electricity.

**2 STEP 2: INVERTER CONVERSION**  
The inverter changes DC into usable Alternating Current (AC) for home appliances.

**4 STEP 4: BATTERY STORAGE**  
Surplus energy is stored in batteries for use during nighttime or power outages.

## DAY VS NIGHT USAGE

DAYTIME (PEAK GENERATION)



NIGHTTIME (STORED ENERGY)

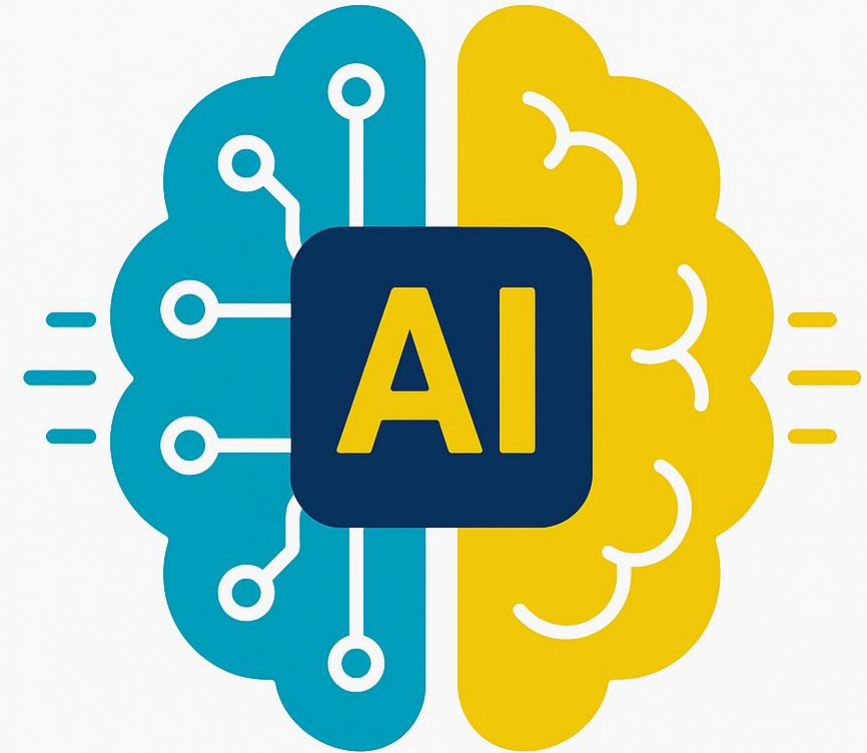




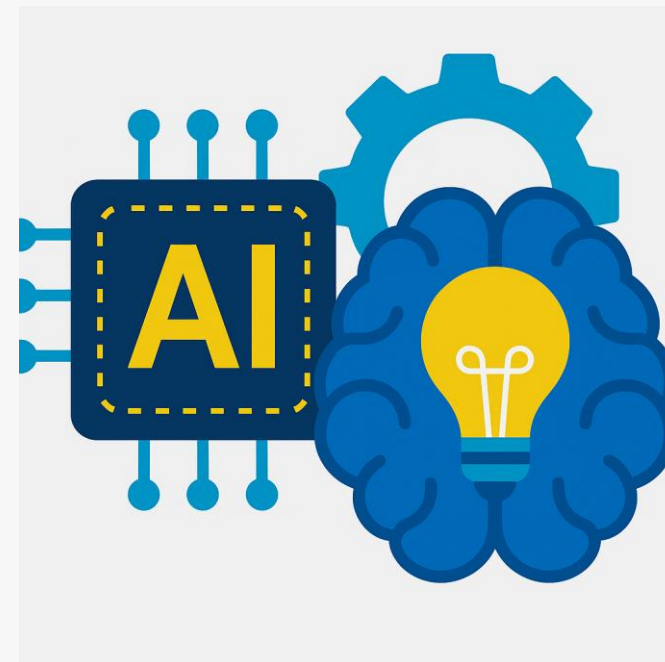
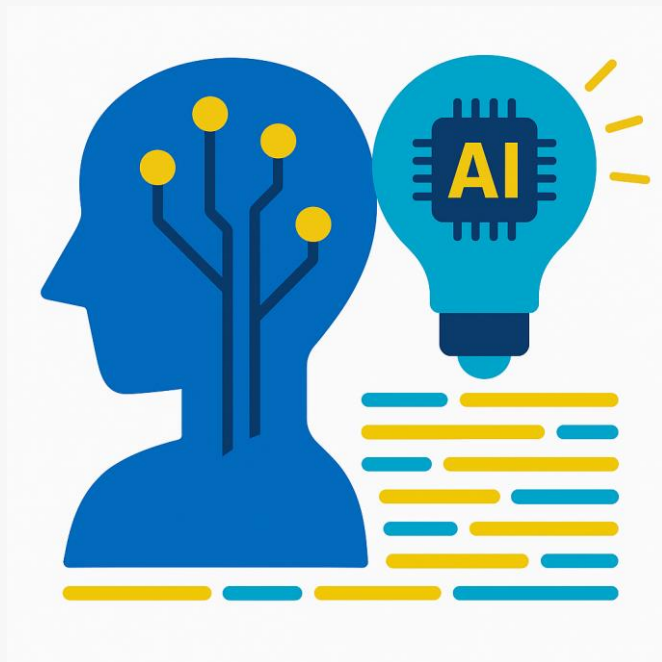
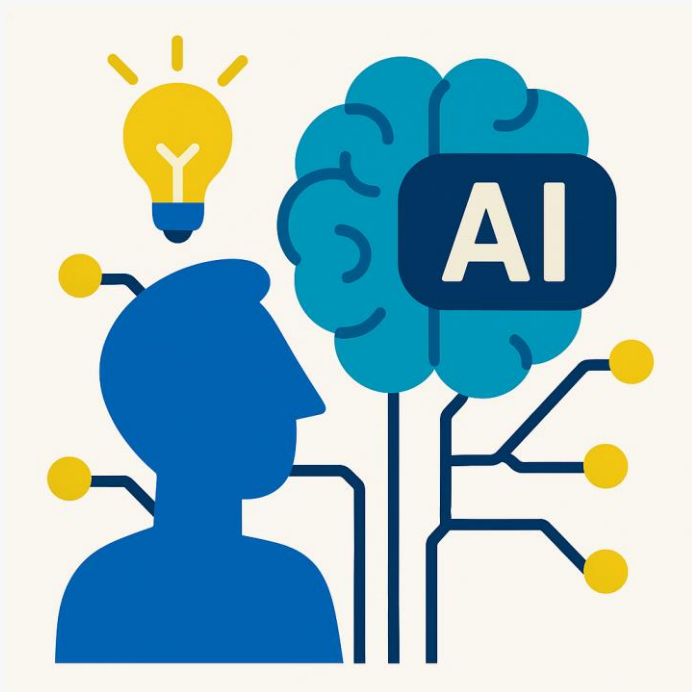
# In my daily work



These are some examples of the illustrations we use as a part of our corporate visual identity. They represent different topics and we use them on our public material to visualise the content. I am lacking an illustration to visualise the topic 'generative AI' or 'artificial intelligence'. I want you to generate the illustration for me. It should follow the same design, shapes, colors.









# Text-to-video tools

[Sora](#) (OpenAI): High-quality, text-to-video prompts, focusing on coherence, realism, and complex scene interactions.

[Veo](#) (Google): Ultra-realistic, character-driven videos with lifelike detail, cinematic storytelling and visual quality

[Runway](#): Versatile use, camera movements, scene transitions, rapid iteration across creative styles.

[Kling](#): Diverse perspectives and camera angles for image-to-video and text-to-video, cinematic touch, strong motion consistency.

[Hunyuan](#): Precision video generation, strong control over structure, motion, clarity in long-form content.

[Hailuo](#): Multilingual and culturally nuanced video generation

[Luma Ray](#): Text-to-Video, Image-to-Video, audio, and control capabilities

[Flux](#): High-speed generation and real-time editing features

[Pika Labs](#): Specializes in stylized, animated, and imaginative video generation, ideal for creators, influencers, and short-form content.

[Wan](#) (Alibaba): Combines generative models with e-commerce-focused applications, enabling product visualization, ads, and branded content generation.

&more...

# Will Smith eating Spaghetti



March 2023



January 2025



Sora



Sora





[Google Veo](#)







Runway



Kling (blend/overlay)







[Luma Labs](#)





PikaLabs



# Video prompt anatomy

Prompt

[art style] [subject]. [scene]. [lighting]. [color].

A cinematic photo of a peacock in the water. The lighting is even, creating subtle shadows, with a muted natural color palette.

A cinematic photo of a peacock diving under turquoise water leaving a stream of bubbles behind it. The composition is close-up and centered with a shallow depth of field, creating a soft blur in the background and foreground water. Natural sunlight creates intricate caustic patterns across the peacock's body and onto the submerged feathers. The color palette consists of deep blues and teals in the water, contrasting with the peacock's rich colors.



# More video tips



Miko  
@Mho\_23



your ai videos can look 10x better just by specifying the exact camera

instead of "high quality" or "cinematic"

use "shot on RED Komodo 6K" or "ARRI Alexa LF" or "Sony Venice 8K"

veo 3.1 understands cinematography language and adjusts the entire render to match

8K shot prompting can be the difference between slop and high quality content

12:07 AM · Oct 25, 2025 · 91.3K Views

## FULL SHOT



## MEDIUM SHOT



## CLOSE-UP SHOT



## OVER THE SHOULDER SHOT



## LOW ANGLE SHOT



## DUTCH SHOT



## AERIAL VIEW



## INSERT SHOT



## ESTABLISHING SHOT



## Music/sound generators

Popular ones:

[Suno](#)

[Mureka](#)

[Udio](#)

[Canva](#)

[Link](#)

for steps  
and more  
examples

### SUNO V4

*We ignite  
Our hearts collide  
Electric sparks  
A perfect symphony  
In the dark  
Our love comes alive  
We ignite  
Our hearts collide*

### ⚡ Mureka 01

*We ignite  
Our hearts collide  
Electric sparks  
A perfect symphony  
In the dark  
Our love comes alive*





**Michael Rosenfield** ✓ @\_mrosenfield · Oct 23

Can someone explain where this revenue comes from? Who's paying?

AI Agenda

## Music App Suno Nearly Quadruples Annual Recurring Revenue to \$150 Million

By Stephanie Palazzolo 7:00am PDT

906

270

4.4K

1.4M



**Convexity** ✓ @Ropespinner2

i'm paying because it's damn good



**Convexity** ✓ @Ropespinner2



i'm paying because it's damn good

i'm a highly experienced music producer. I'm fluent in DAWs, plugins, MIDI controllers, effects, synths, sample libraries, you name it. This AI stuff has a tremendous value proposition for even deeply experienced musicians.

If the task is to write, say, four or five songs for a reality show, I can get this done in an hour or two of work, as opposed to a couple of weeks minimum by traditional methods.

The sound quality has gotten pretty darn good. And now you can actually guide the result a lot more -- you can whip up a demo and let the AI finish the song. That means its doing performances and final arrangement, but its your lyrics, your chord changes, your melody. And that's the strength of the AI: it can do final, polished, complete arrangements in seconds that would take a producer long days of work, if not weeks of work.

You just can't afford to work the old way exclusively anymore. Snobs beware.

(And I guarantee you that the DAW makers are going to incorporate this AI approach into their DAWs. How could you not?)

10:11 PM · Oct 24, 2025 · 52K Views

# Third party tools:

[Nim.video](#): multiple models for video generation, editing, and collaborative workflows.

[Krea](#): Real-time canvas, control over styles, compositions, and model selection.

[Flora](#): AI assistant tailored for storytelling and content planning—ideal for creators developing video scripts, narratives, or character arcs with generative support.

[Luna AI](#): text-to-video & image-to-video models, model comparison, frame-by-frame editing

[Channel 42](#): episodic content creation, character animation, voiceovers, narrative structure

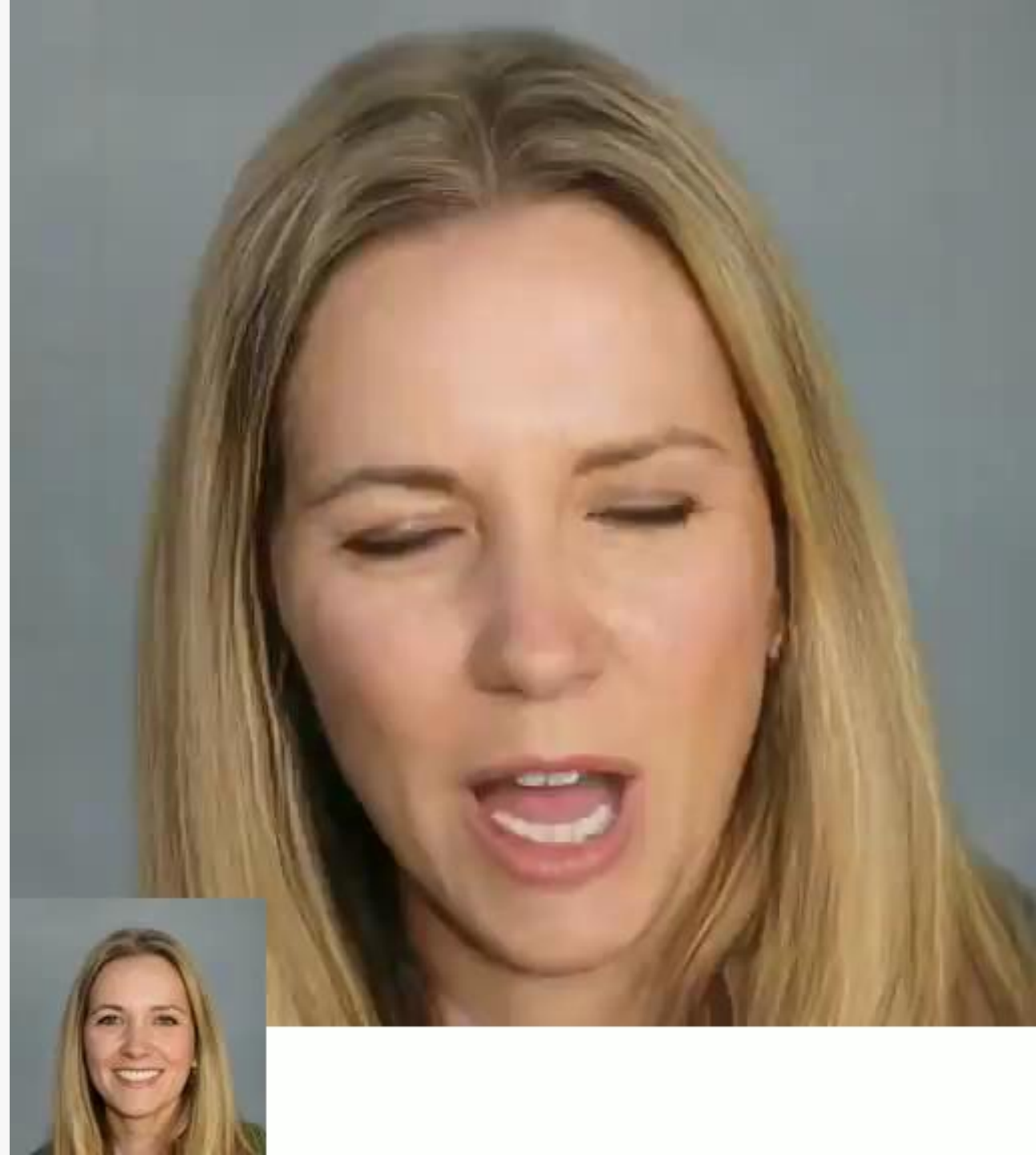
[Freepik](#): Kling for video + multiple image models + advanced upscaler

[Rendernet](#), [Twin](#), [NEX](#), [HeyGen](#): Helps generate AI characters interacting with the product image you upload—ideal for marketing, ecommerce, and product showcases.

&more...



## Lip Sync



## Motion brush (Kling AI example)

[Link to the video](#)





**Ve**o



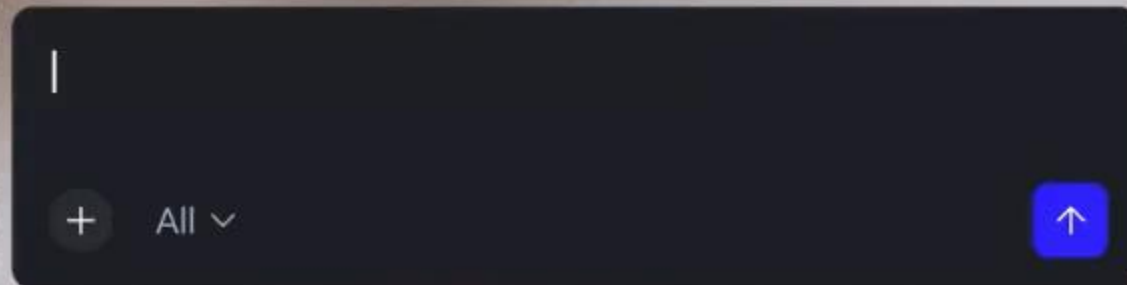
# Style transfer

[Created with ChatGPT 4o + Runway](#)

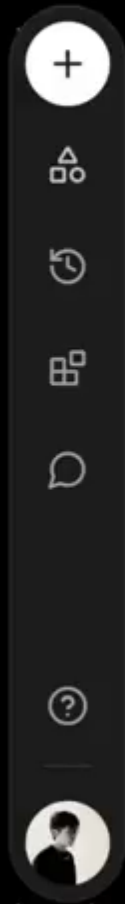




# Real-time editing (Runway)



## Gemini + Kling on Flora



CHANEL HAIR PRODUCT



IMAGE

~10s

 Learn about Image Blocks

Try to...

 Upload an image

 Combine images into a video

 Turn an image into a video

 Ask a question about an image

Try "A whimsical illustration of a fairy tale castle"



## Magnific + Suno + Hedra Labs



Runway + Pika + Kling + Veo2 + Luma + Sora + Topaz Labs + Suno





# AI ‘App Store’: <https://huggingface.co/spaces>

 **Hugging Face**

Models

Datasets

Spaces

Posts

Docs

Enterprise

Pricing

Log In

Sign Up

 **Spaces** · The AI App Directory

+ New Space

What is Spaces?

Ask anything you want to do with AI

Image Generation

Video Generation

Text Generation

Language Translation

Speech Synthesis

3D Modeling

Object Detection

Text Analysis

Image Editing

Code Generation

Question Answering

Data Visualization

Voice Cloning

Spaces of the week

31 Mar 2025

Filter by name

Sort: Relevance

Running on  ZERO

230

TripoSG 

Generate 3D models from images

VAST-AI

5 days ago

Running

206

Qwen2.5 Omni 7B Demo 

Submit media inputs to generate text and speech responses

Qwen

6 days ago

Running on T4

68

CountGD\_Multi-Modal\_Open-World\_Counting 

Count objects in images using text or visual examples

nikigoli

16 days ago

Running on  ZERO

235

Hi3DGen 

High-fidelity 3D Geometry Generation from images

Stable-X

5 days ago

Running

1.51k

DeepSite 

Generate any application with DeepSeek

enzostvs

31 minutes ago

Running

207

starvector-1b-im2svg 

Convert images and text into scalable vector graphics (SVG) code

starvector

8 days ago

Running on  ZERO

40

KDTalker 

Generate animated portraits from images and audio

fffiloni

7 days ago

Running

29

Expressive TTS Arena 

Compare and vote on AI speech quality

HumeAI

9 days ago

# Cooperation **works**

All materials will be available on:

**AI course on Interact Academy**