The WHOOPS! Gallery: An Intersection of AI, Creativity, and the Unusual
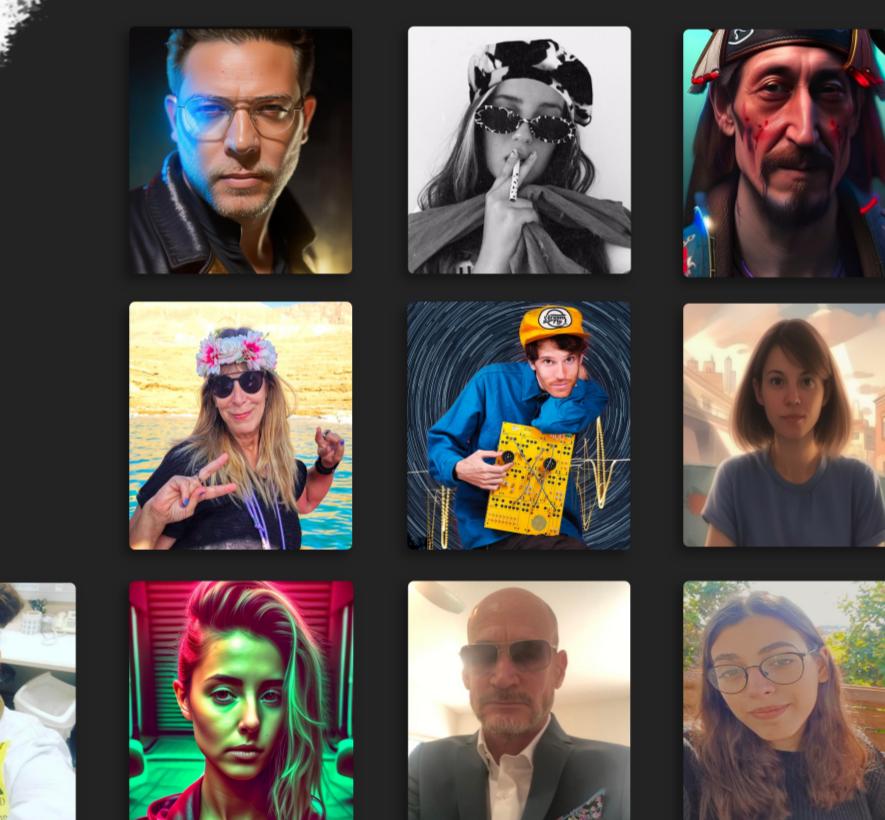
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What Makes These Images Weird?

A Team of >30 Expert Designers Employing Text-to-Image AI Models

World Wild AI Researchers Collaboration

What is WHOOPS! ?

- Commonsense-violating synthetic images
- Human artists were hired via social media
- Use of text-to-Image generation models

Humans

V&L Models
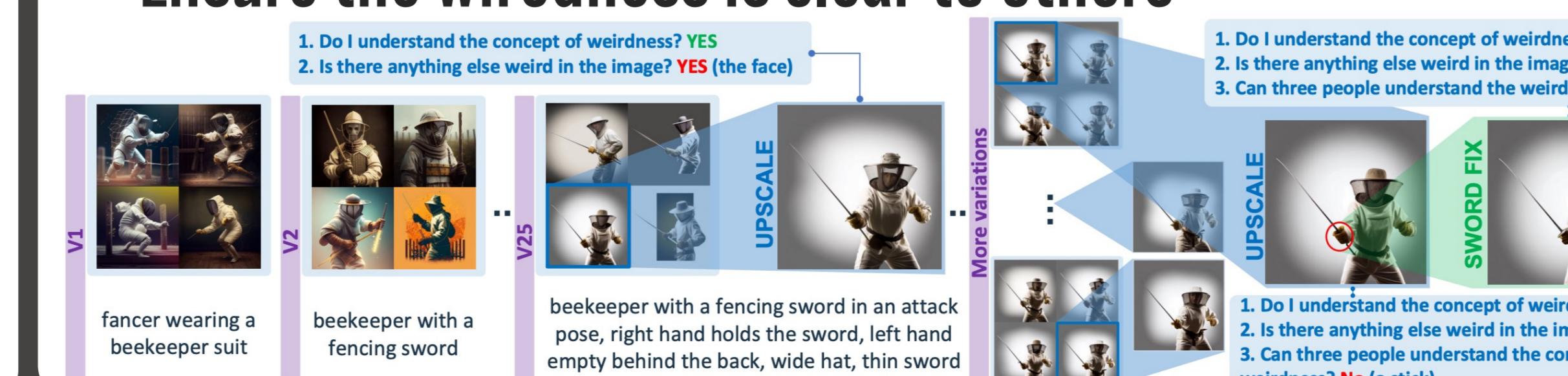
These exist "in-the-wild" as well ..

How to Create a Weird Image?

- Depict two likely to co-occur items X (=**Slash**) and Y (=**Guitar**)
- Switch Y to Y' (=**Saxophone**) that is unlikely to co-exist with X
- Ensure the wiredness is clear to others

X
Y'

1. Do I understand the concept of weirdness? YES
2. Is there anything else weird in the image? YES (the face)

1. Do I understand the concept of weirdness? YES
2. Is there anything else weird in the image? No
3. Can three people understand the weirdness? Yes

V1 — fancer wearing a beekeeper suit
V2 — beekeeper with a fencing sword
V25 — beekeeper with a fencing sword in an attack pose, right hand holds the sword, left hand empty behind the back, wide hat, thin sword

More variations

UPSCALE

UPSCALE
SWORD FIX

1. Do I understand the concept of weirdness? YES
2. Is there anything else weird in the image? No
3. Can three people understand the concept of weirdness? No (a stick)

Our Designers

- A diverse team of over 30 designers, spanning ages, genders, and origins, found joy in coming up with new ideas to create such images.
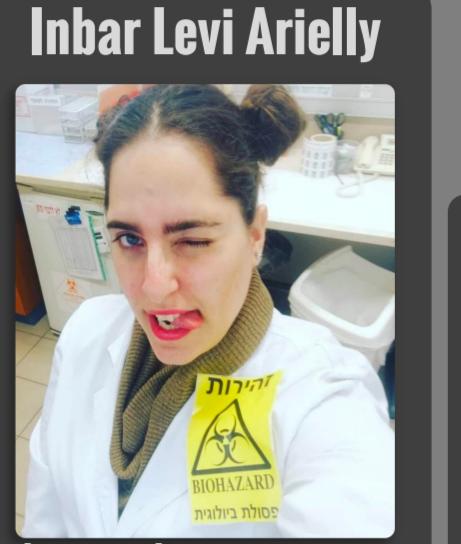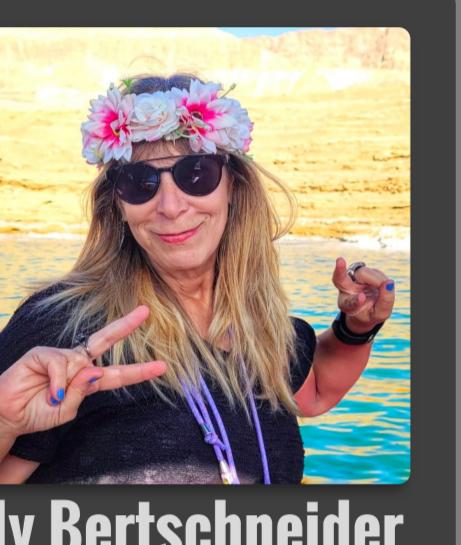
Inbar Levi Arielly — Unlike others that were involved in the project my interest in an AI was (and mostly is) a fun hobby or pass time. As a new mom I found that letting my creativity loose using AI was a relatively fun and easy way of getting my mind working without any physical mess. when I found out about the project, I thought it can be a challenging activity to do in my spare time. As a master in biology, it was natural for me to base a lot of my works on my scientific knowledge but try and keep them as simple and easy to understand as possible. The work with the different AI models was very challenging, as well as coming with different ideas and ways to explain those ideas trough words, but I loved every moment.
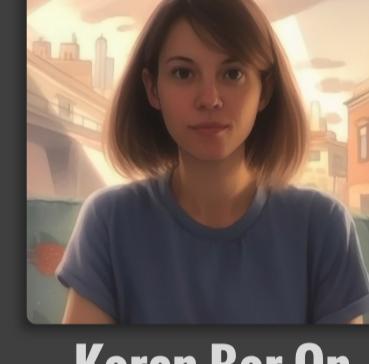
Nir Livni
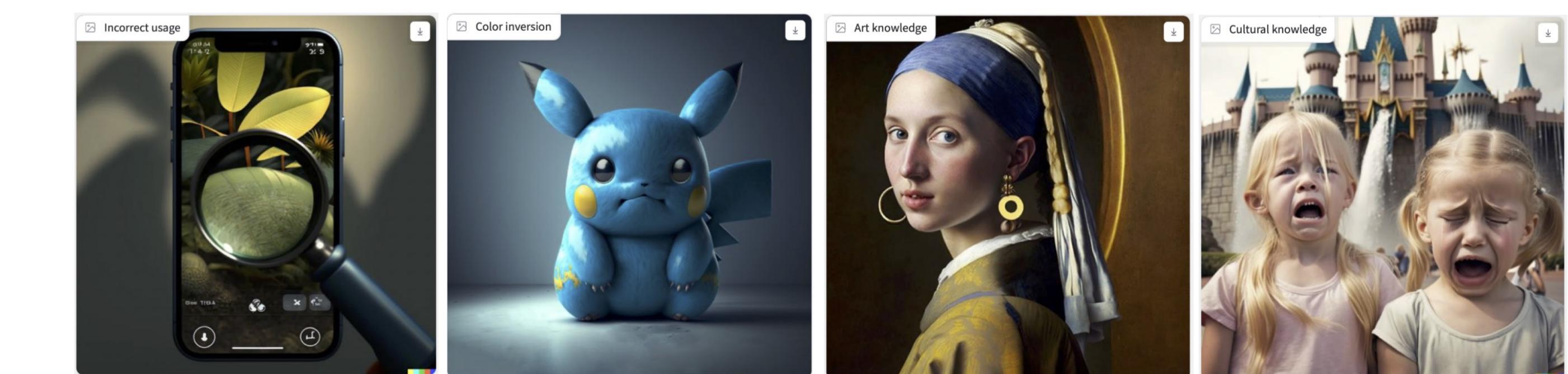
Ady Bertschneider

Karen Bar On

Evgeny Ermilov

Omer Luz (Peter Spacey)

Karin Milman

Michal Cohen

Shanikwa Dvorkin — As a digital creator, I find it incredibly fun to create weird and ironic images with AI. With my crazy and artistic mind, coming up with these ideas is nature to me. Using AI as a tool allows me to take my creativity to the next level. Whether it's combining unexpected elements or subverting traditional imagery, the process of creating these images brings me joy. With each new creation, I push the boundaries of what's possible

Commonsense Categories

- Diversity and complexity of reasoning skills

Incorrect usage | Color inversion | Art knowledge | Cultural knowledge

Atypical Behavior | Object shape | Age mismatch | Safety

Legend: ● Predicted Caption → GPT3   × Supervised BLIP2: FlanT5-XXL

Categories (x-axis): Incorrect usage, Temporal discrepancy, Biological rules, Unnatural environment, Inability to execute, Cultural Knowledge, Untypical behavior, Safety, Symbolic inversion, Age mismatch, Unusual dish, Physics rules, Unsuitable environment, Color Inversion, Visual similarity, Object shape, Geographic mismatch, Nutrition mismatch, Social conventions, Health, Celebrity occupation, Nature phenomena mismatch, Principles conflict, Folklore knowledge, Refraction mismatch, Art knowledge