*Most images in this talk were created with Midjourney. The prompts used are shown on each slide.

<link to uploaded Jenn headshot> woman in front of a blank chalkboard --niji 5 --style cute

stopwatch in the style of salvador dali –chaos 75

AGENDA

What is Midjourney?
Getting Started
Prompting Basics
Group Exercise
Discussion: Responsible Use

Midjourney.com
NLP prompts -> images

Bing (DALL-E)

Midjourney

a blue merle australian shepherd dog in cartoon style

Crayon (DALL-E mini)

LAION-5B: A NEW ERA OF OPEN LARGE-SCALE MULTI-MODAL DATASETS

by: Romain Beaumont, 31 Mar, 2022

We present a dataset of 5,85 billion CLIP-filtered image-text pairs, 14x bigger than LAION-400M, previously the biggest openly accessible image-text dataset in the world - see also our NeurIPS2022 paper

Authors: Christoph Schuhmann, Richard Vencu, Romain Beaumont, Theo Coombes, Cade Gordon, Aarush Katta, Robert Kaczmarczyk, Jenia Jitsev

Breed Focus: The Australian Shepherd

cão pastor australiano

Adorable Australian Shepherd

Les chiens préférés des français 2018 : grand zoom...

A closeup of an Australian Shepherd.

Австралийская овчарка (Аусси)

آشنایی با خصوصیات سگ های نژاد چشم آبی

Pastore australiano tra le razze di cani più sane.

Фото Собаки Австралийская овчарка Бег

Preview Miniature Australian Shepherd

Have I Been Trained?

Enter text or upload an image...

Search 5.8 billion images used to train popular AI art models

Over 1 billion images opted out, and counting

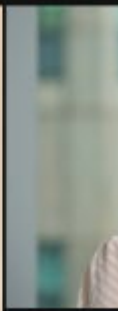
AI organizations, use our API to respect opt-outs in your models

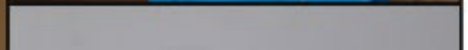
haveibeentrained.com

Enter text or upload an image...

The top result has 87% similarity with the searched image

SIGN IN to opt into or out of AI Art systems with Spawning.





Appendix (LAION-5B: An open large-scale dataset for training next generation image-text models)

A Datasheet for LAION-5B dataset

A.1 Motivation

Q1 **For what purpose was the dataset created?** Was there a specific task in mind? Was there a specific gap that needed to be filled? Please provide a description.

- LAION-5B was created as an open solution to training very large multimodal models such as CLIP or DALL-E. Before the curation of this dataset, the closest in size was YFCC with 100 million image/videos and associated metadata. OpenAI previously used a 15 million sample subset to train a publicly comparable CLIP model, but that pales in comparison to the private 400 million sample dataset they used to train the high-performant CLIP models. At the time of writing this, the ImageNet-1k zero-shot top-1 state-of-the-art, Google's BASIC, used a dataset of 6.6 billion image-text pairs. With the release of LAION-5B, researchers no longer have to be part of a few selected institutions to study these problems.

Q2 **Who created the dataset (e.g., which team, research group) and on behalf of which entity (e.g., company, institution, organization)?**

- This dataset is presented by LAION (Large-scale Artificial Intelligence Open Network), a non-profit research organization aiming to democratize access to large-scale open datasets and powerful machine learning models through the research and development of open-source resources. The communication and organization of this project took place on the open LAION discord server [18].

Q3 **Who funded the creation of the dataset?** If there is an associated grant, please provide the name of the grantor and the grant name and number.

- This work was sponsored by Hugging Face and Stability AI.

Q4 **Any other comments?**

- No.

A.2 Composition

Q5 **What do the instances that comprise the dataset represent (e.g., documents, photos, people, countries)?** *Are there multiple types of instances (e.g., movies, users, and ratings; people and interactions between them; nodes and edges)? Please provide a description.*

- We provide 5.8 billion image-text pairs. Each pair consists of the following: an image file url; text caption; width; height; the caption's language; cosine similarity (CLIP ViT/B-32 for English and MCLIP for multiple and unknown languages); the probability of the image containing a watermark; the probability of a sample being NSFW. We made our models

[18] https://discord.gg/xBPBXfcFHd

For more on Datasheets for Datasets, see arxiv.org/pdf/1803.09010.pdf

vibrant california poppies

--v 5.1

--v 5.1 --style raw

--v 5.1

--niji 5

--niji 5 --style cute

--niji 5 --style expressive

--niji 5 --style scenic

photography shot through an outdoor window of a coffee shop with neon sign lighting, window glares and reflections, depth of field, grandpa in a suit with a cup of coffee in his hands sitting at a table, portrait, kodak portra 800, 105 mm f1. 8 --ar 2:1 --v 5 (Julie Wieland)

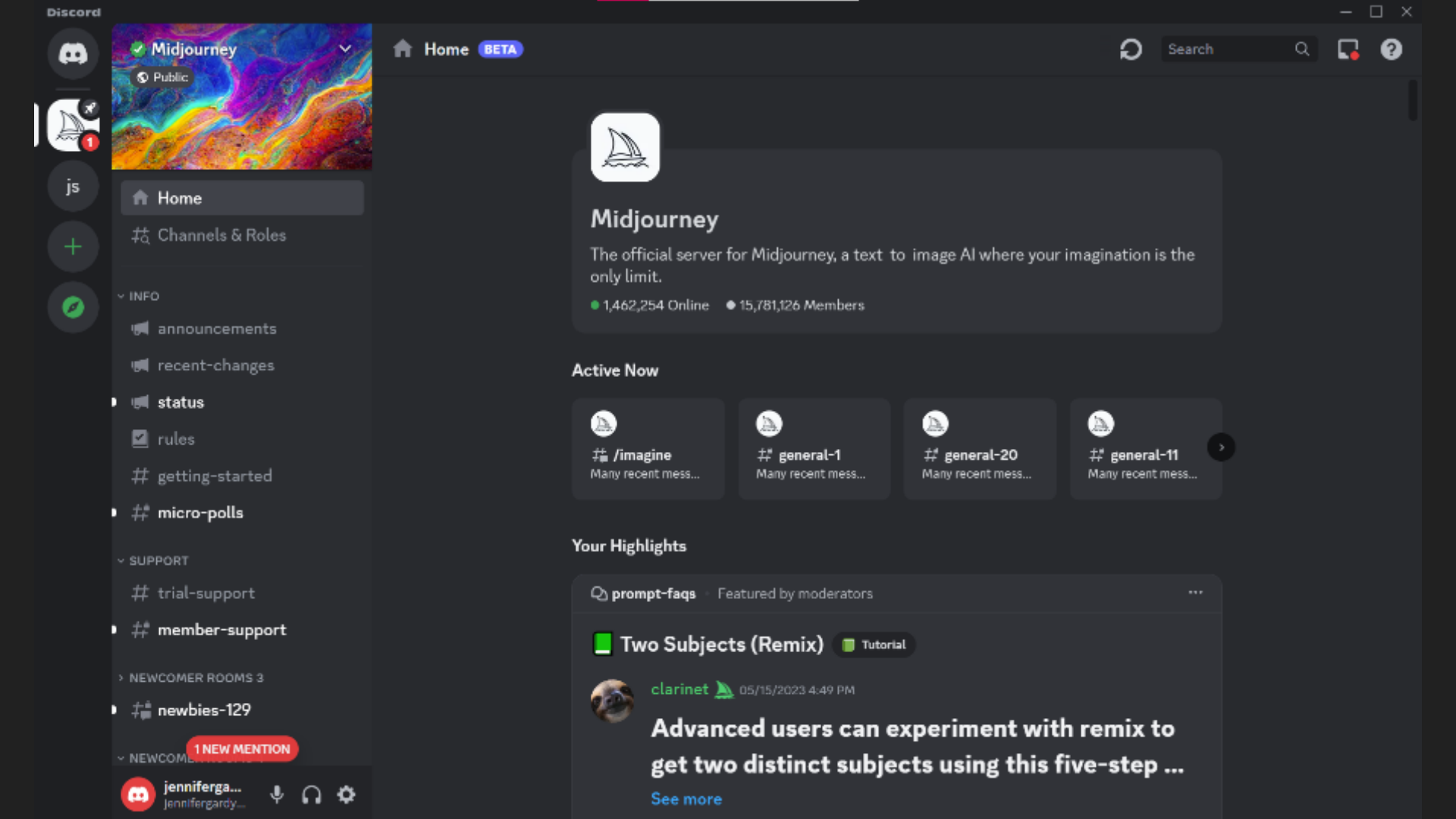
felted kittens in candyland (waxsyn)

chinese dragon, its body a burst of radiant hues, spirals through a dreamscape of psychedelic galaxies (Genghis Vagr)

charming hidden fantasy square, bohemian paradise, elevated walkways connecting buildings like tree branches (benswiss)

TAKING YOUR FIRST STEPS

black and white photograph, first steps --ar 2:1


Discord
Midjourney
Public
Home BETA
Search
Home
Channels & Roles
INFO
announcements
recent-changes
status
rules
getting-started
micro-polls
SUPPORT
trial-support
member-support
NEWCOMER ROOMS 3
newbies-129
1 NEW MENTION
jennifergardy...
Midjourney
The official server for Midjourney, a text to image AI where your imagination is the only limit.
1,462,254 Online
15,781,126 Members
Active Now
/imagine
Many recent mess...
general-1
Many recent mess...
general-20
Many recent mess...
general-11
Many recent mess...
Your Highlights
prompt-faqs
Featured by moderators
Two Subjects (Remix)
Tutorial
clarinet
05/15/2023 4:49 PM
Advanced users can experiment with remix to get two distinct subjects using this five-step ...
See more

Discord

Midjourney

prompt-faqs

Search

getting-started

micro-polls

SUPPORT

trial-support

member-support

NEWCOMER ROOMS 3

newbies-129

NEWCOMER ROOMS 4

newbies-159

newbies-189

CHAT

discussion

prompt-chat

COMMUNITY FORUMS

prompt-faqs

SHOWCASE

paintovers

1 NEW MENTION

jenniferga...

jennifergardy...

Search

New Post

Sort & View

Article

Tutorial

Command

Challenge

Library

Other

All

Tutorial

Control Camera

clarinet: Here are phrases to add to your prompt that MIGHT help change the camera zoom and angle. Use a slider to help it

315 76 9h ago

Article Tutorial

Puppeteering (consistent characters)

clarinet: Q - Can I use the same character in different scenes? Puppets? Puppeteering?

114 11 19h ago

Tutorial

Create Centaurs

clarinet: Q - How do I make a centaur, specifically? Woe, ye who enter here! If you're working in `--v 5`

35 17 20h ago

Tutorial

Fix Cropping Issues

clarinet: *Things that might help fight cropping issues:* • Say that the background is tall, wide, big, etc. • Say that the subject is small compared

29 14 20h ago

Discord

jennifergardy's server

general

Search

TEXT CHANNELS

general

VOICE CHANNELS

General

U1 U2 U3 U4

V1 V2 V3 V4

BOT Midjourney Bot **a calm, relaxing, zen oasis, watercolor style** - @jennifergardy (Open on website for full quality) (fast)

Midjourney Bot BOT Today at 2:35 PM

a calm, relaxing, zen oasis, watercolor style - Variations by @jennifergardy (Open on website for full quality) (fast)

U1 U2 U3 U4

V1 V2 V3 V4

5: Use the /imagine Command

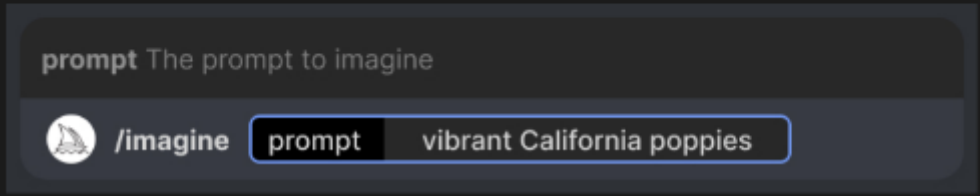
About Discord Commands

Interact with the Midjourney Bot on Discord using a Command. Commands are used to create images, change default settings, monitor user info, and perform other helpful tasks.
The `/imagine` command generates a unique image from a short text description (known as a Prompt).

Respect the Community Guidelines. Community guidelines apply wherever the Midjourney Bot is used.

Using /imagine

1. Type `/imagine prompt:` or select the `/imagine` command from the slash commands pop-up.
2. Type a description of the image you want to create in the `prompt` field.
3. Send your message.



NEW

Midjourney Bot BOT Today at 2:49 PM

a cartoon style blue merle australian shepherd catching a frisbee - @jennifergardy (fast)

U1 U2 U3 U4

V1 V2 V3 V4

Live demo!
Our first image!

/imagine prompt description of what to imagine

/imagine prompt URL1 URL 2 what to imagine --parameter1 value --parameter2 value

- Single words work, but descriptive text is better:
  - Subject: person, animal, character, location, object, etc.
  - Medium: photo, painting, illustration, sculpture, doodle, tapestry, etc.
  - Environment: indoors, outdoors, on the moon, in Narnia, underwater, the Emerald City, etc.
  - Lighting: soft, ambient, overcast, neon, studio lights, etc
  - Color: vibrant, muted, bright, monochromatic, colorful, black and white, pastel, etc.
  - Mood: Sedate, calm, raucous, energetic, etc.
  - Composition: Portrait, headshot, closeup, birds-eye view, etc.
- Word choice matters - try ‘enormous’ instead of ‘big’
- Specify quantity - ‘three cats’ instead of ‘cats’
- Use collective nouns - ‘flock of birds’ instead of ‘birds’

Block Print

Folk Art

Cyanotype

Graffiti

Paint-by-Numbers

Risograph

Ukiyo-e

Pencil Sketch

Watercolor

Pixel Art

Blacklight Painting

Cross Stitch

Life Drawing

Continuous Line

Loose Gestural

Blind Contour

Value Study

Charcoal Sketch

1700s

1800s

1900s

1910s

1920s

1930s

1940s

1950s

1960s

1970s

1980s

1990s

Millennial Pink

Acid Green

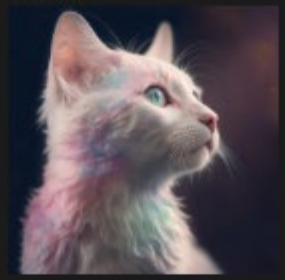
Desaturated

Canary Yellow

Peach

Two Toned

Pastel



Mauve

Ebony

Neutral

Day Glo

Green Tinted

- --ar or --aspect: aspect ratio (default: 1:1)
- --chaos <0-100>: increase for more weirdness (default: 0)
- --no <something>: do not include the something
- --tile: create repeating tile

a flock of multicolored birds in the style of salvador dali

--chaos 0

--chaos 100

--tile

a conference audience watching a speaker give a presentation, in a cartoon style, muted colors

Group Exercise

Content

Question title

What might you use MJ for in your own wor

Subheading

Appears in the presentation prior to showing the answers and in participants devices.

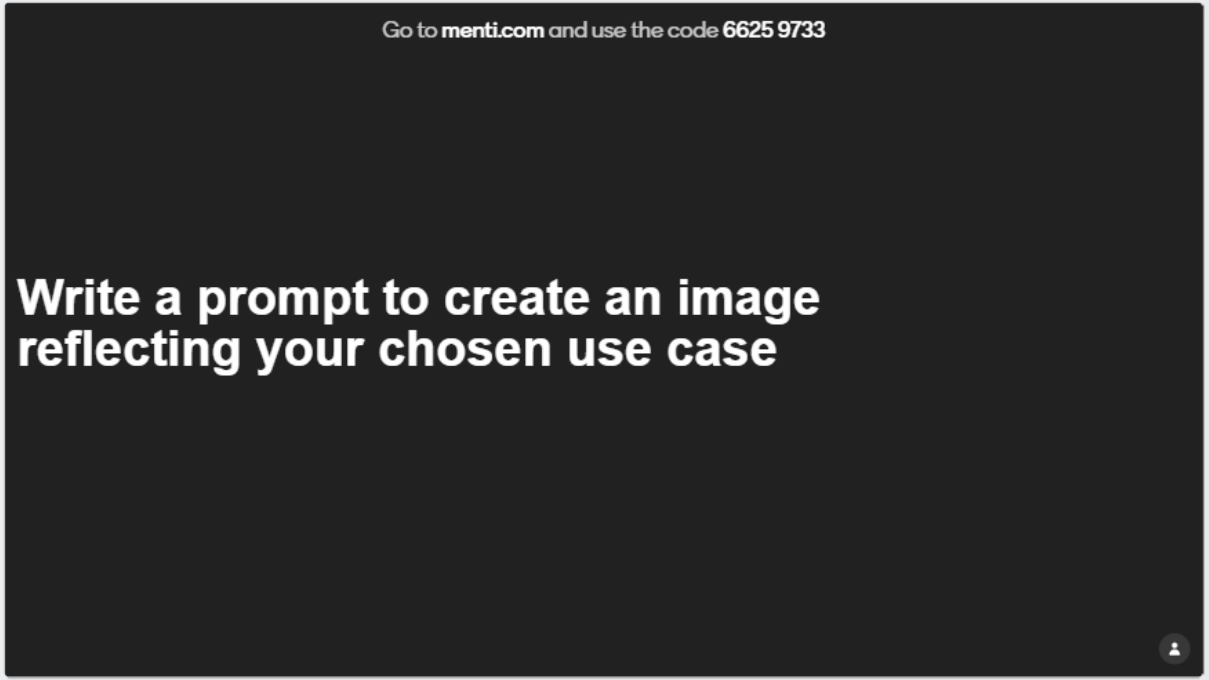
Subheading

Extras

Let participants submit multiple times

Remove question

JG
Account
Content
Design
Settings
Got feedback?



Content

Question title

Write a prompt to create an image reflecti

Subheading

Appears in the presentation prior to showing the answers and in participants devices.

Subheading

Extras

Let participants submit multiple times

Remove question

JG

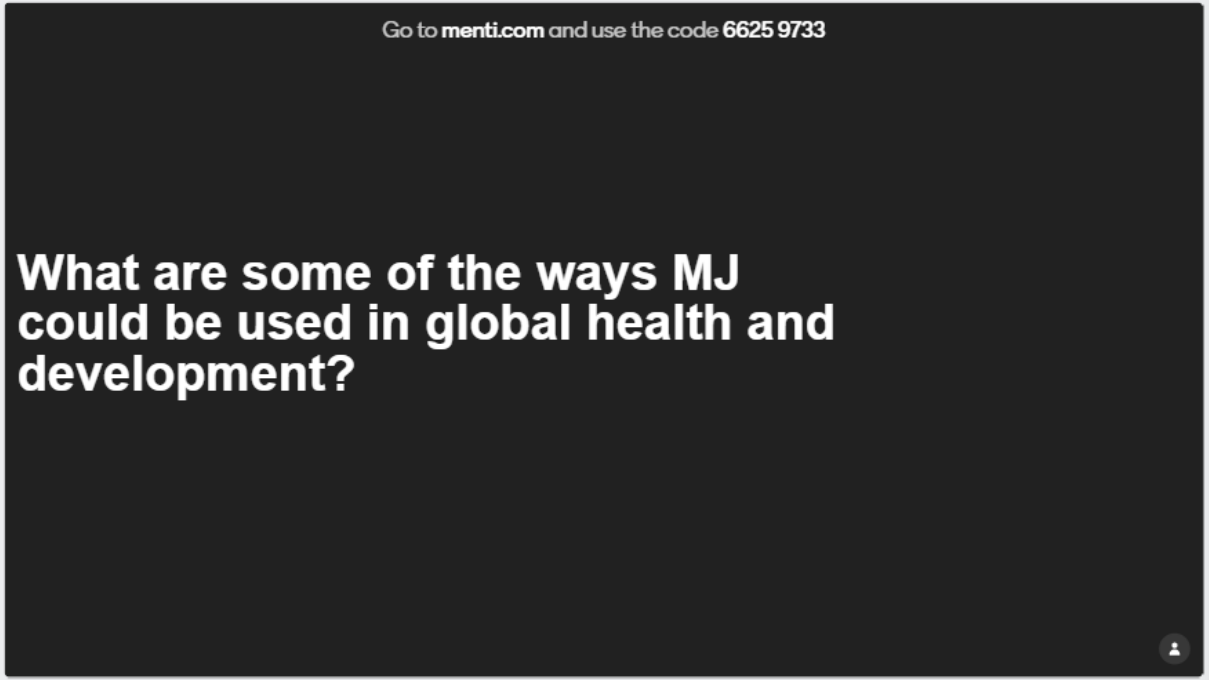
Account

Content

Design

Settings

Got feedback?



Content

Question title

What are some of the ways MJ could be us

Subheading

Appears in the presentation prior to showing the answers and in participants devices.

Subheading

Extras

Let participants submit multiple times

Remove question

JG

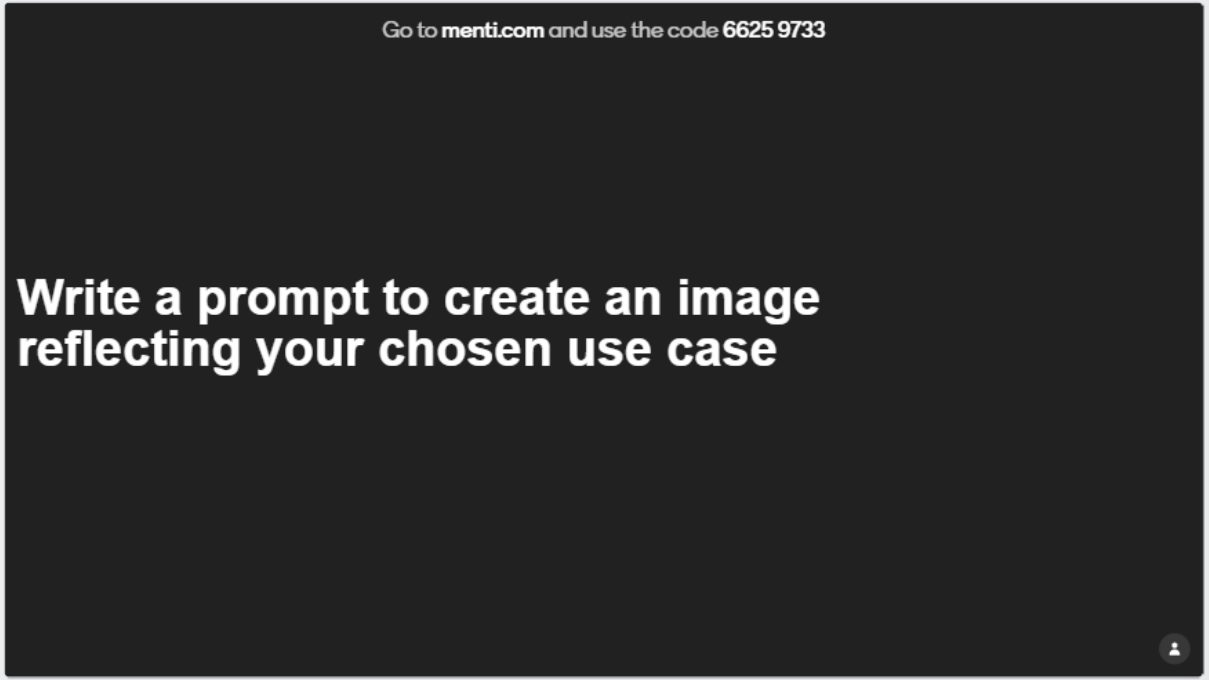
Account

Content

Design

Settings

Got feedback?



Content

Question title

Write a prompt to create an image reflecti

Subheading

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Subheading

Extras

Let participants submit multiple times

Remove question

JG

Account

Content

Design

Settings

Got feedback?

PAI's Responsible Practices for Synthetic Media

A Framework for Collective Action

FEBRUARY 27, 2023

PARTNERSHIP ON AI

syntheticmedia.partnershiponai.org

CEPIC

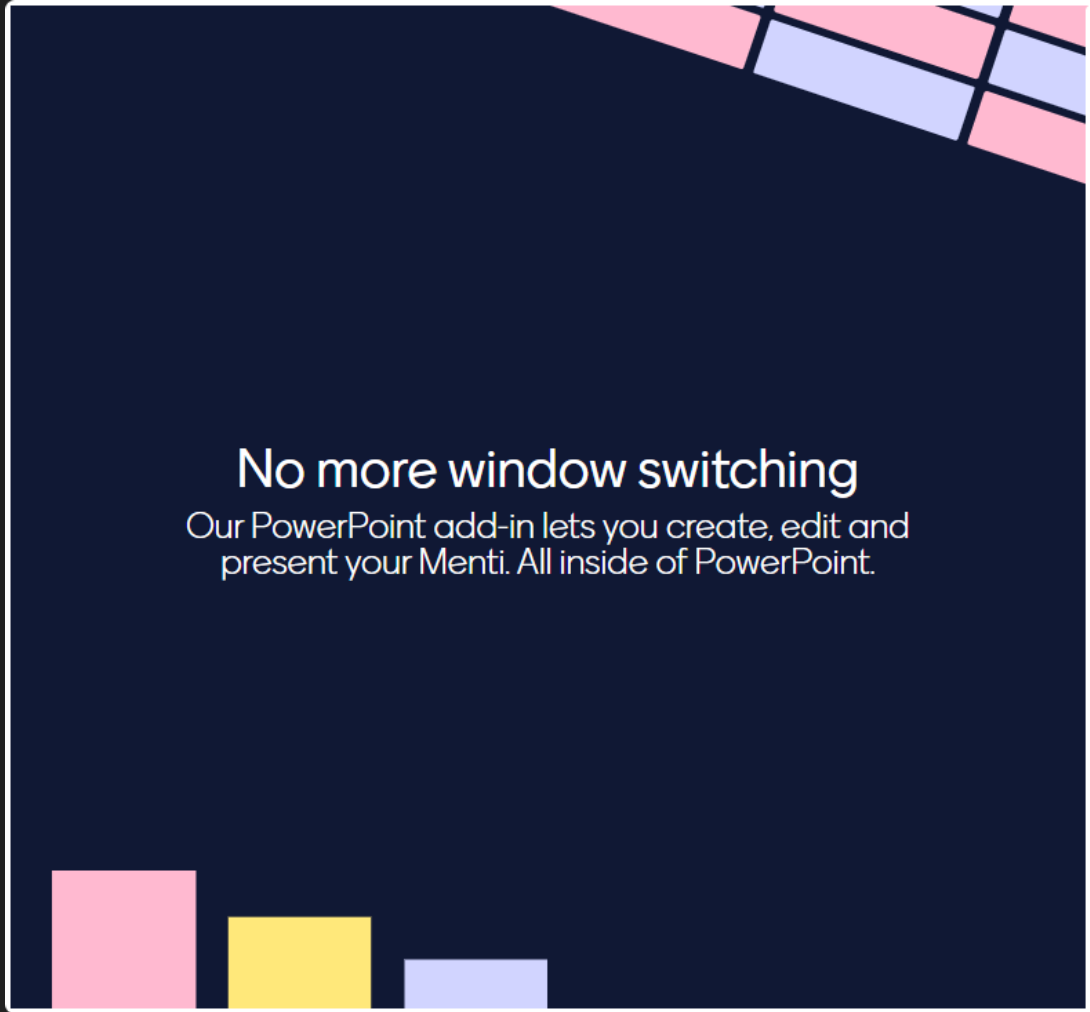
Centre of the Picture Industry

AI Ethical Guidelines for Responsible Re-Use and Production of VISUAL CONTENT

cepic.org

Principle	Dataset Creation	Media Creation
Lawfulness	Respect for copyright, IP, data privacy legislation	Avoid deception and harm
Transparency	Maintain records of all source images & provenance	Informed consent, disclosure, human-in-the-loop, risks/liabilities of synthetic media
Necessity	Only what is necessary & sufficient for the project, time-bound	Only within the scope of the project
Accuracy	Accurate labeling, bias mitigation	Use unbiased dataset containing diverse subjectsin various contexts,
Security	Ensure security of collected data; allow for entries to be removed	Cannot reverse-engineer underlying images

The entire value chain should be accountable, from using existing data to train the algorithm to its publication.



Mentimeter

Let's get started and set-up your Menti

Choose type

Multiple Choice | Word Cloud | Open Ended

Scales | Ranking

Quiz competition

Select Answer | Type Answer | Leaderboard

Do you miss the old add-in?

We are continuously adding more question types to our new PowerPoint add-in. You can still use the old add-in if you prefer.

Switch to the old add-in

JG

Account

Got feedback?