

From Text to Image with AI - When, How and Why?

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Task: Come up with a **prompt template**

- a fixed structure + enables customization with different inputs
- define a prompt template and develop a story/concept/analysis based on the various images generated using different inputs in the prompt template

Diffusion Bias Explorer

Choose from the prompts below to explore how the text-to-image models like Stable Diffusion v1.4, Stable Diffion v.2 and DALLE-2 represent different professions and adjectives

Choose a model to compare results

Stable Diffusion 1.4

Choose a first adjective (or leave this blank!)

Choose a first group

ceo

Choose a model to compare results

Stable Diffusion 1.4

Choose a second adjective (or leave this blank!)

Choose a second group

cashier



<https://huggingface.co/spaces/society-ethics/DiffusionBiasExplorer>

An image of a <adjective> <profession>

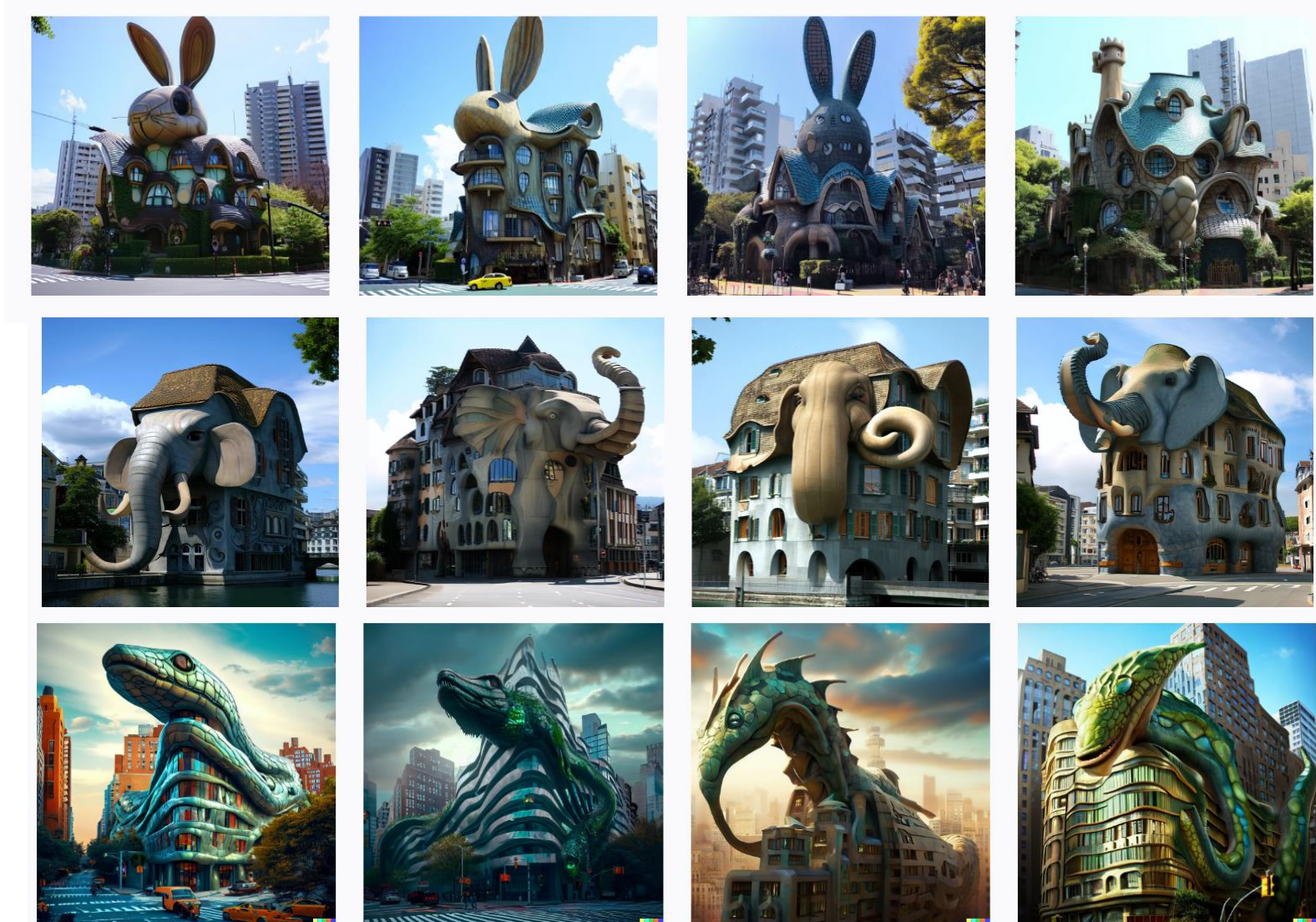
<adjective> woman is going shopping



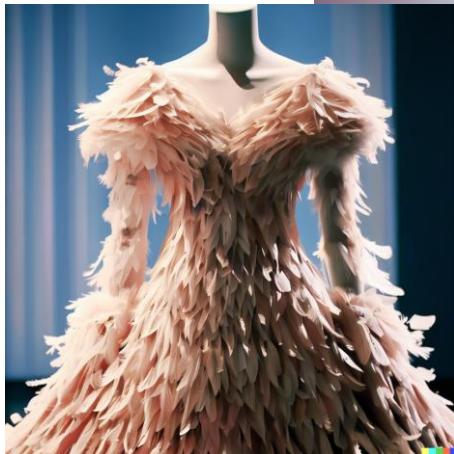
Family house in <country>



Fantasy building in the shape of <animal>, in <city>



An <object> made out of <material>



Models/tools/frameworks

- DALLE 2 openai.com/product/dall-e-2 (register)
- Midjourney www.midjourney.com/ (Discord channel)
- Stable Diffusion
 - Huggingface huggingface.co/spaces/stabilityai/stable-diffusion
 - [Colab](#)
 - Models in diffusion pipeline: <https://huggingface.co/models?other=stable-diffusion>

Other (maybe) useful stuff

- CLIP Interrogator
 - <https://huggingface.co/spaces/pharma/CLIP-Interrogator>
 - [Colab](#)
- Stable Diffusion Dreamboth (personalization)
 - [Colab](#)
- Deorum Stable Diffusion (text-to-video)
 - [Colab](#)
- [Replicate](#)
- [Lexica](#)
- ...