

IA Generativa

ChatGPT (text) - StableDiffusion (image)

Què són? Com funcionen? Com afinarles amb les nostres dades?



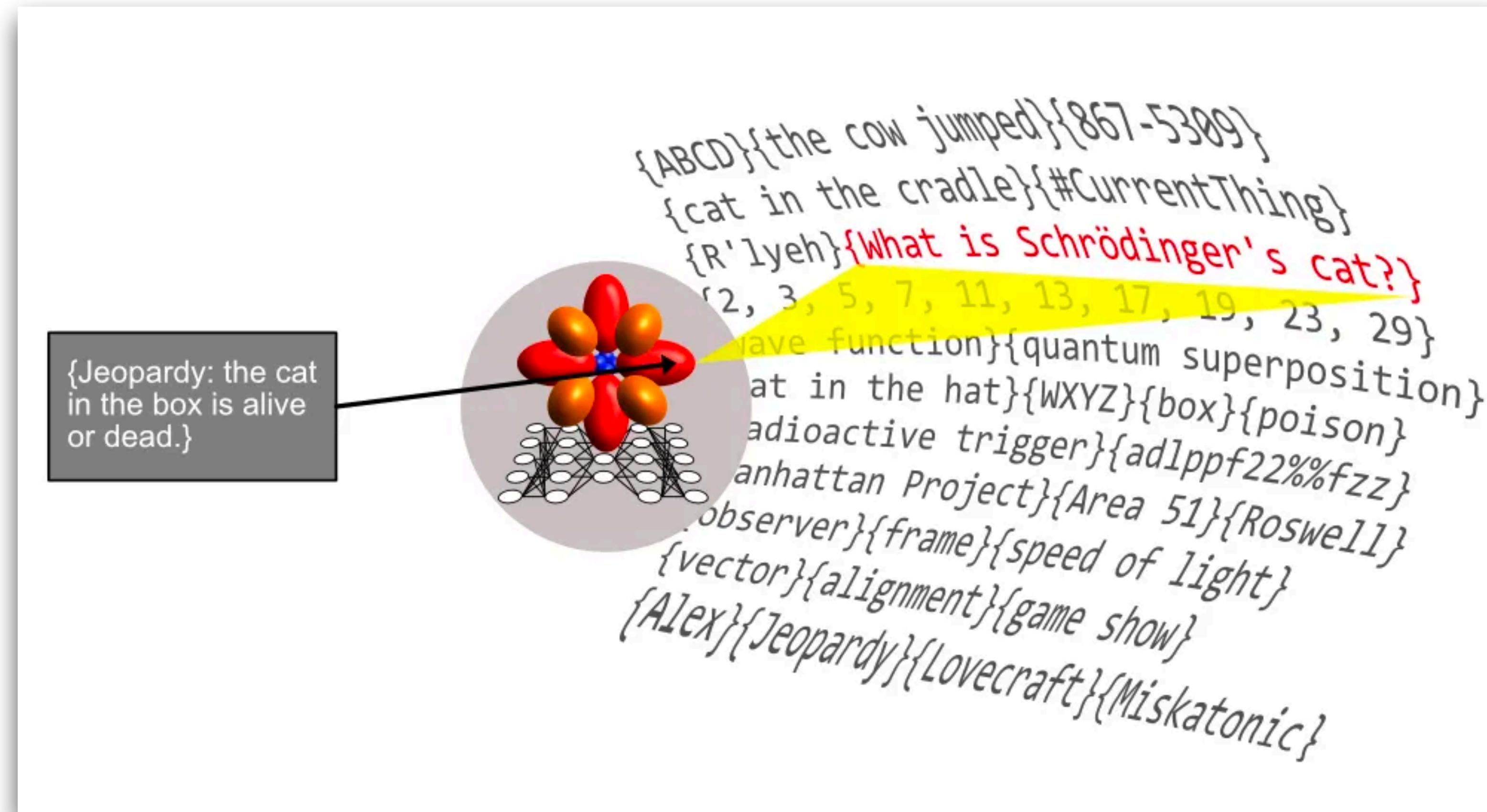
AI Generativa

Mini demo

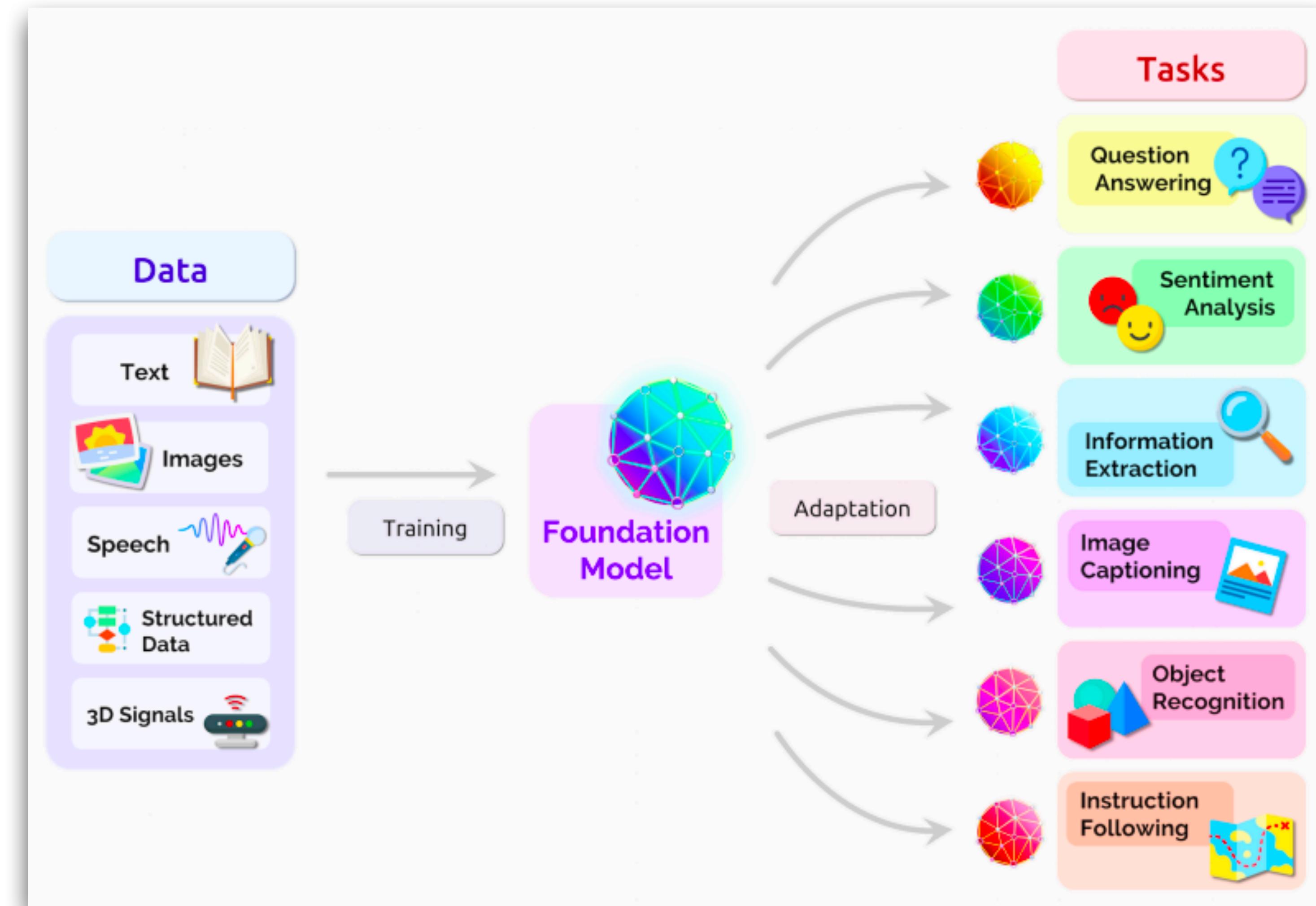
- Txt2txt GPT-4: <https://chat.openai.com/chat>
- Txt2img Dall-E: <https://labs.openai.com>

Una model generatiu és una funció que:

- Pren una col·lecció estructurada de símbols com a entrada
- GENERA una col·lecció estructurada de símbols RELACIONATS com a sortida

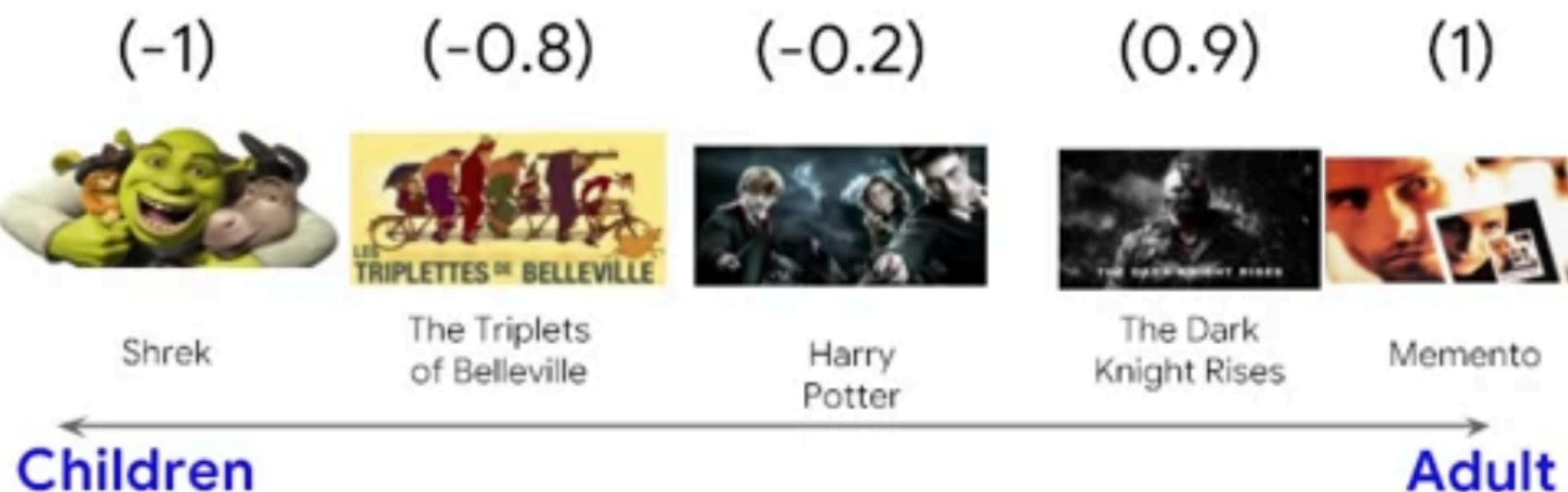


Foundation Models



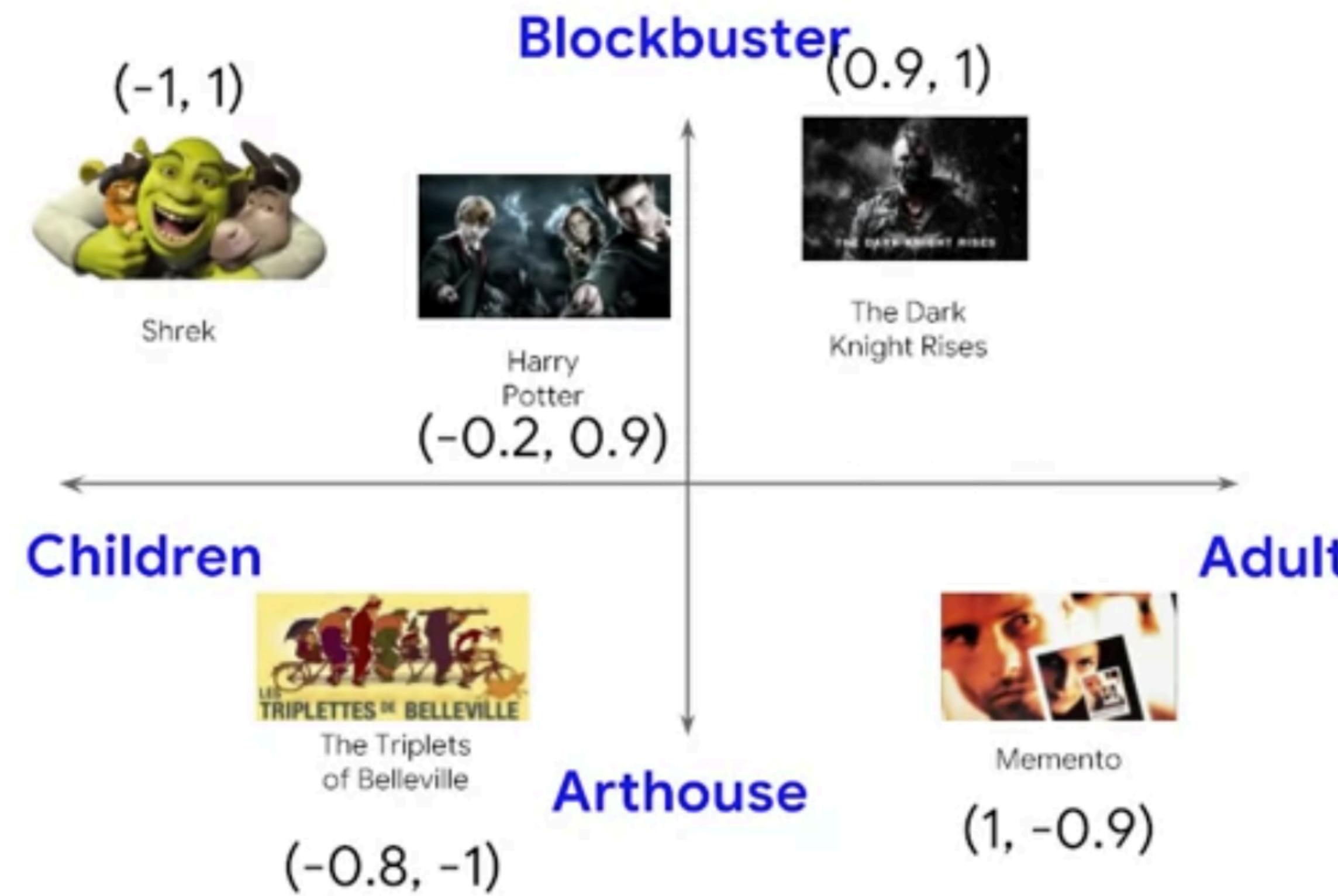
Embeddings

We can organize items by similarity
in one dimension

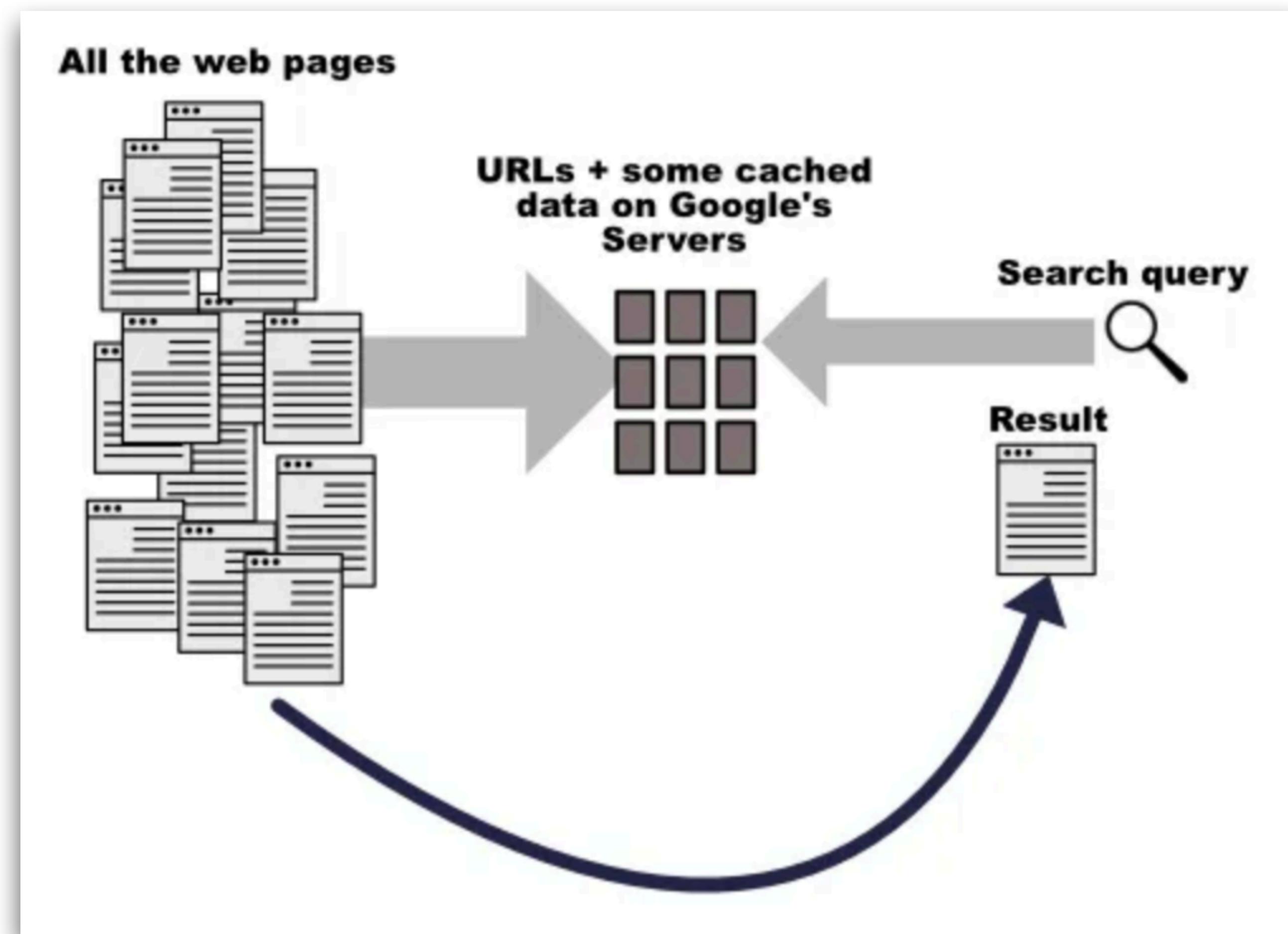


Embeddings

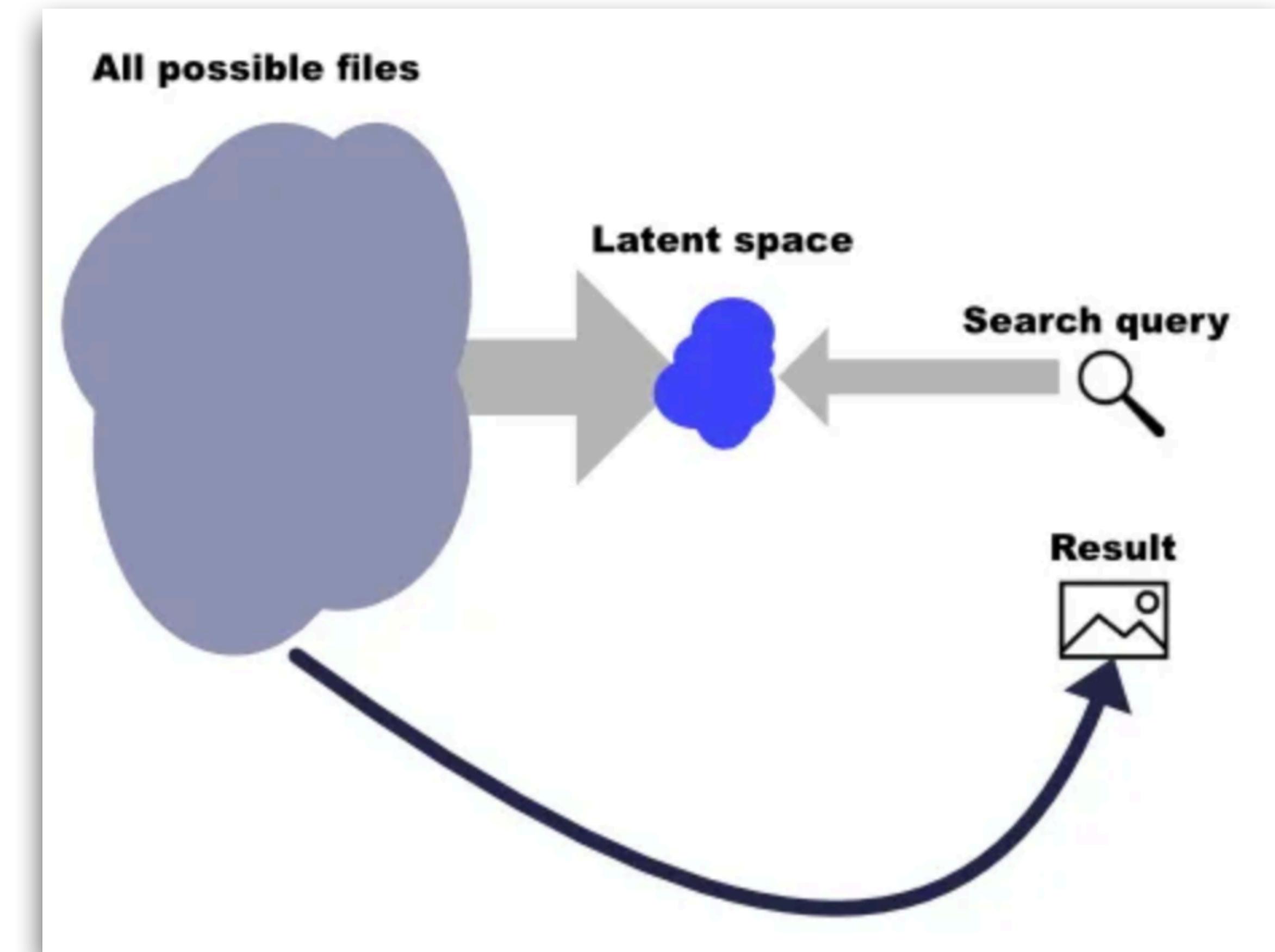
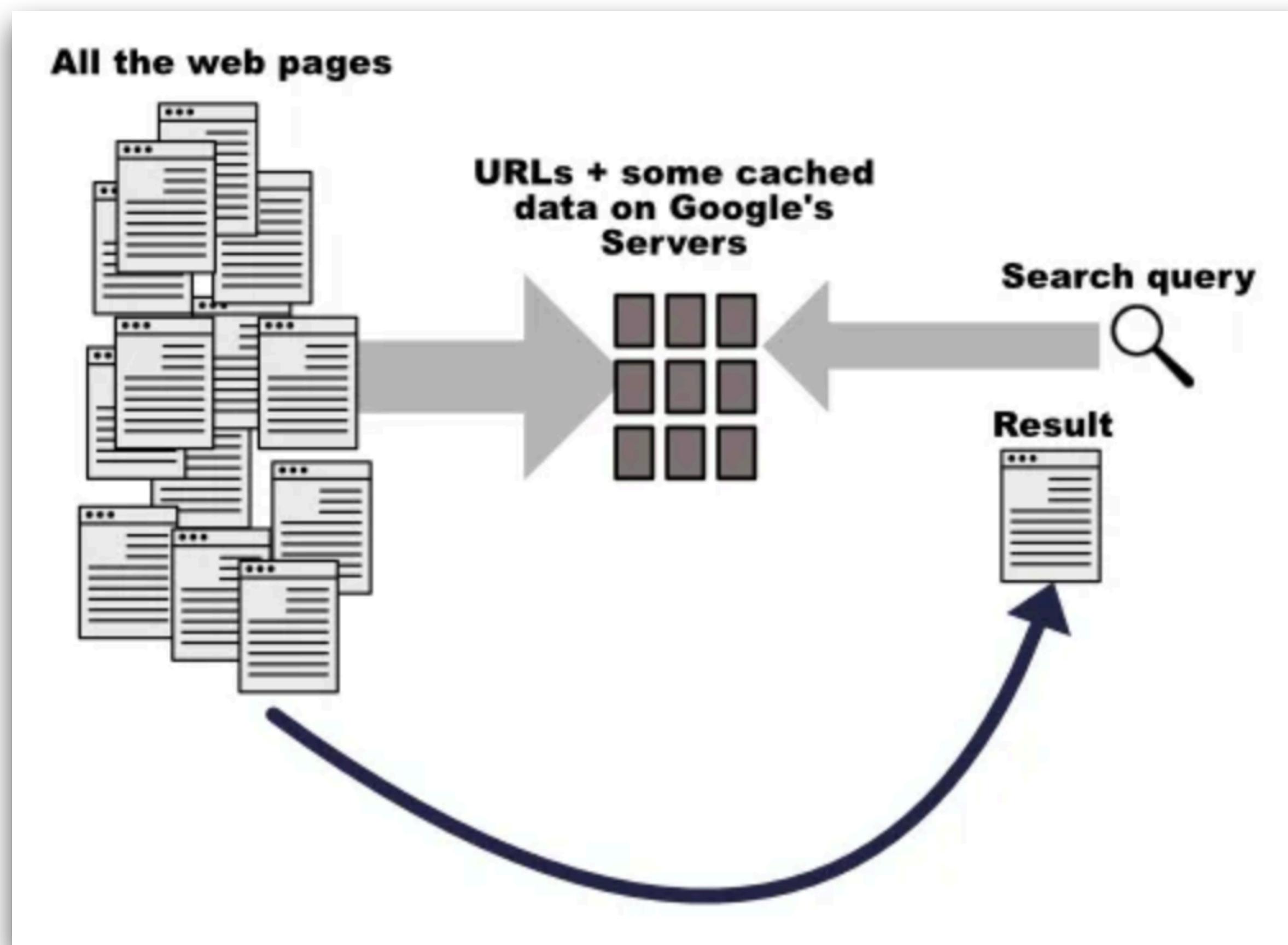
We can organize items by similarity
in two dimensions



Prompts

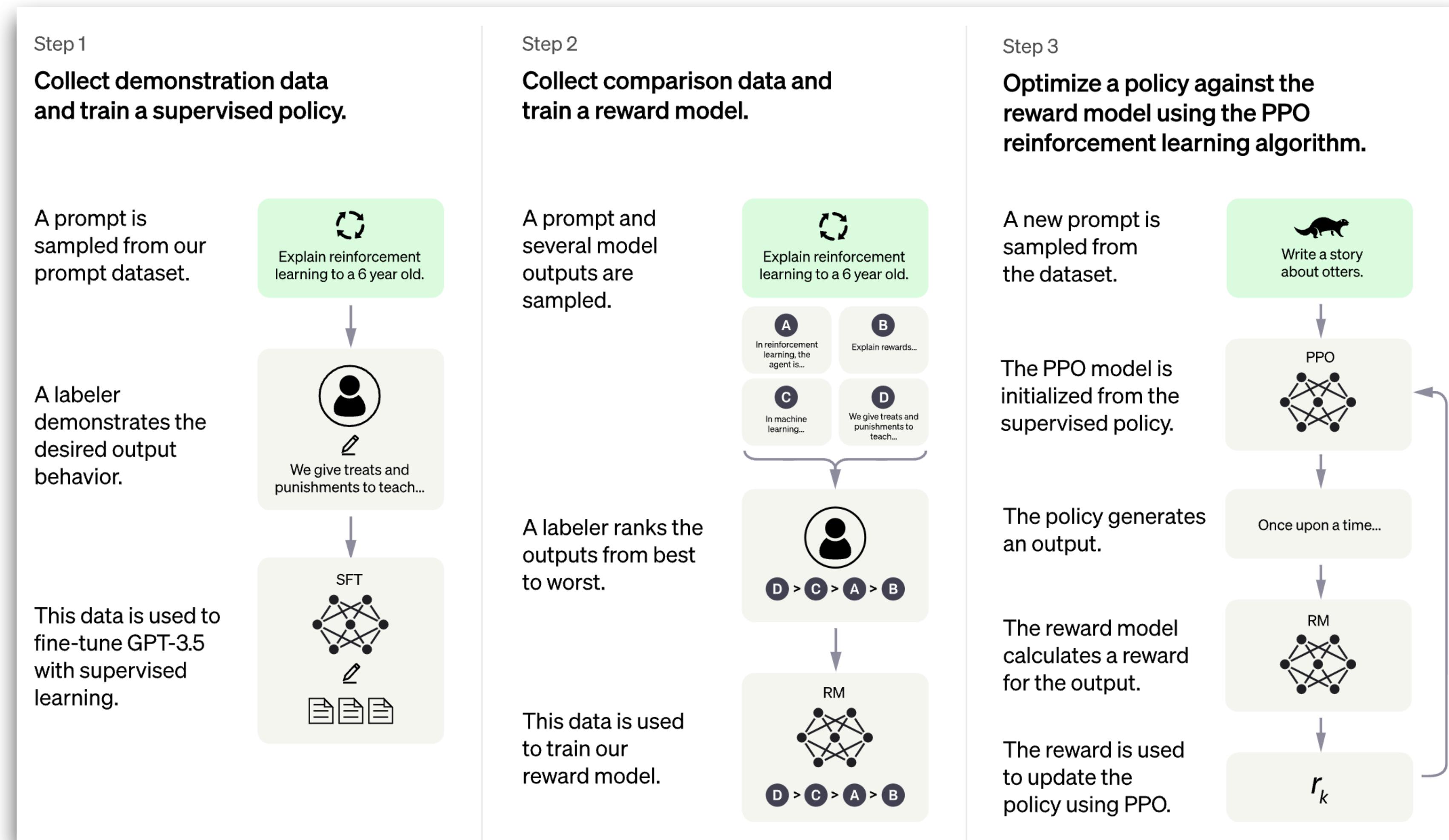


Prompts

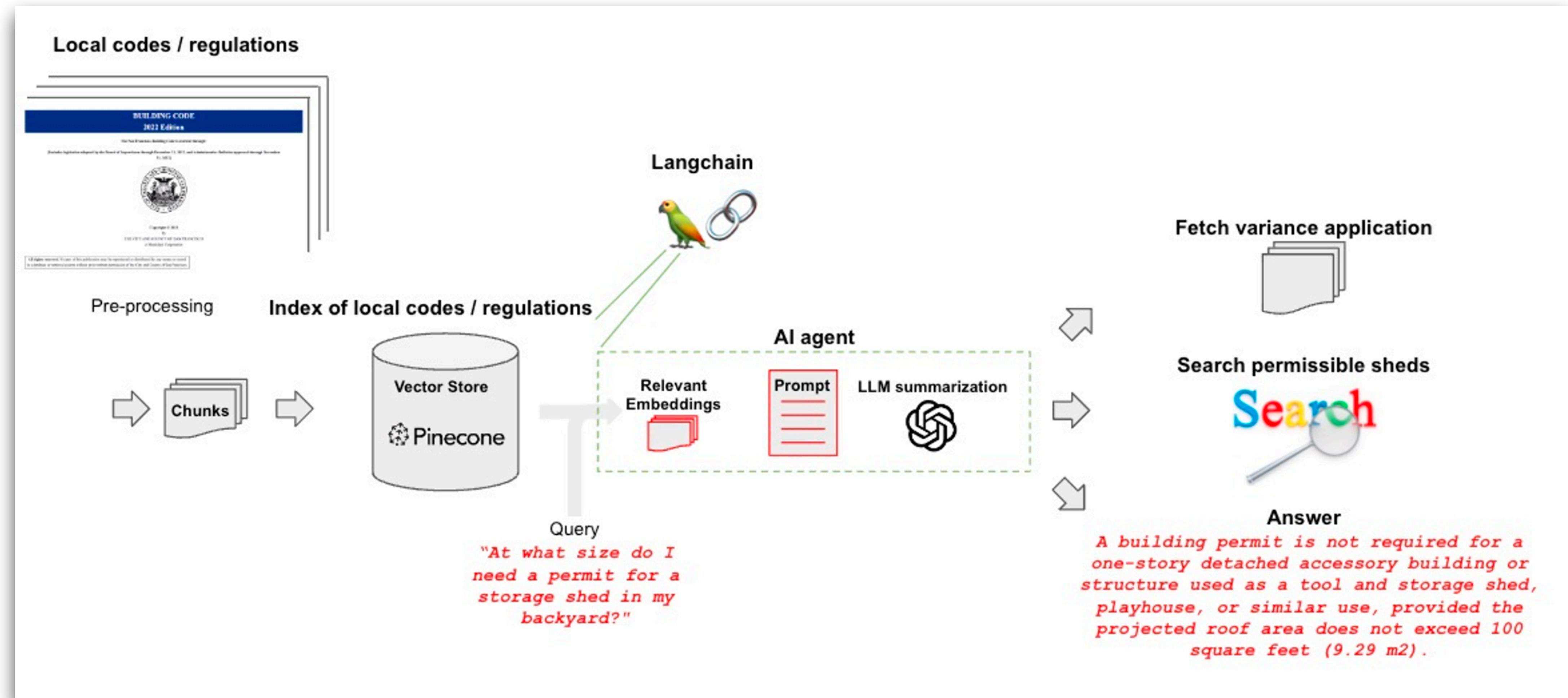


Text-to-Text

ChatGPT

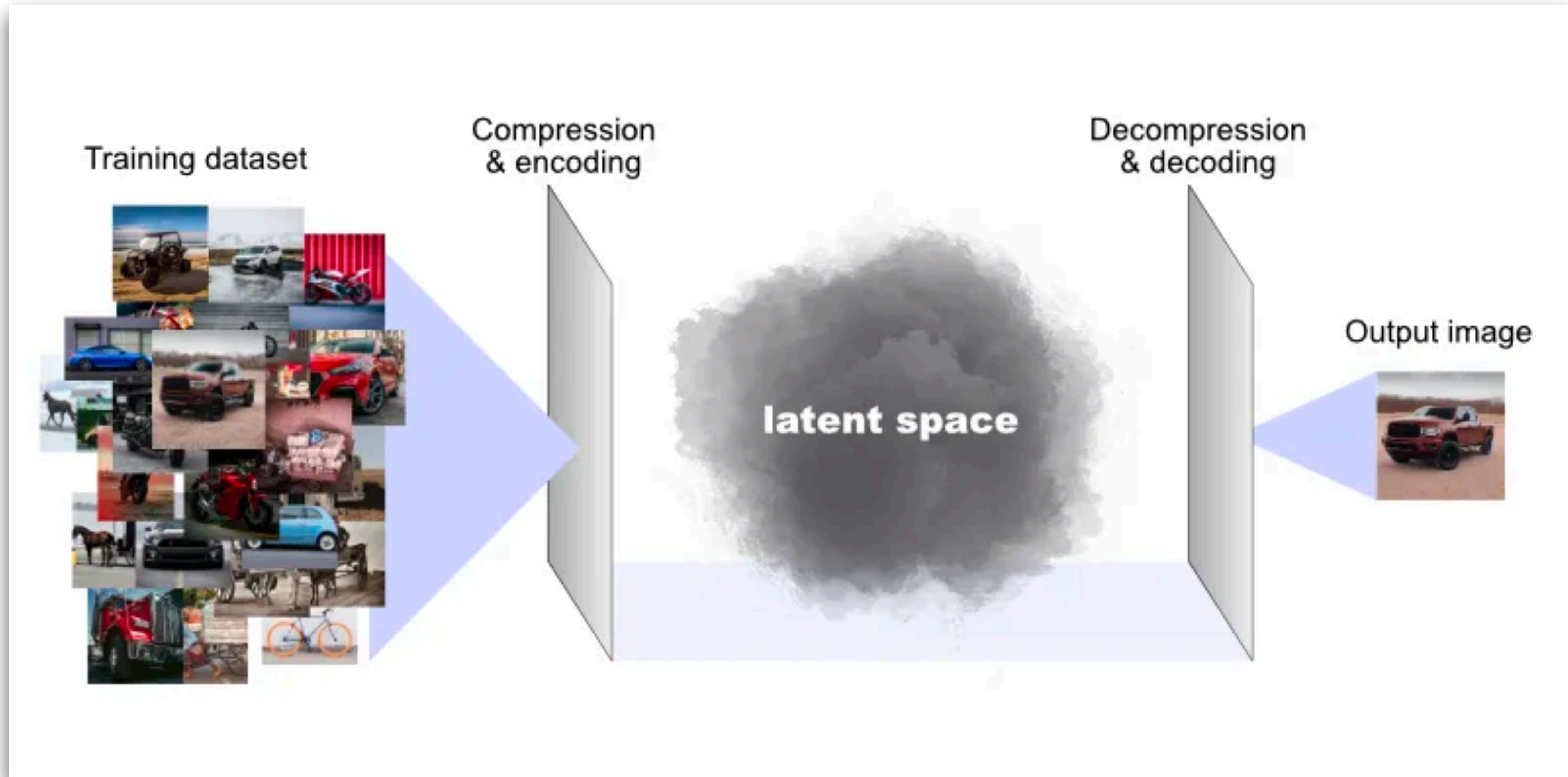


Demo - Extentent ChatGPT amb LangChain

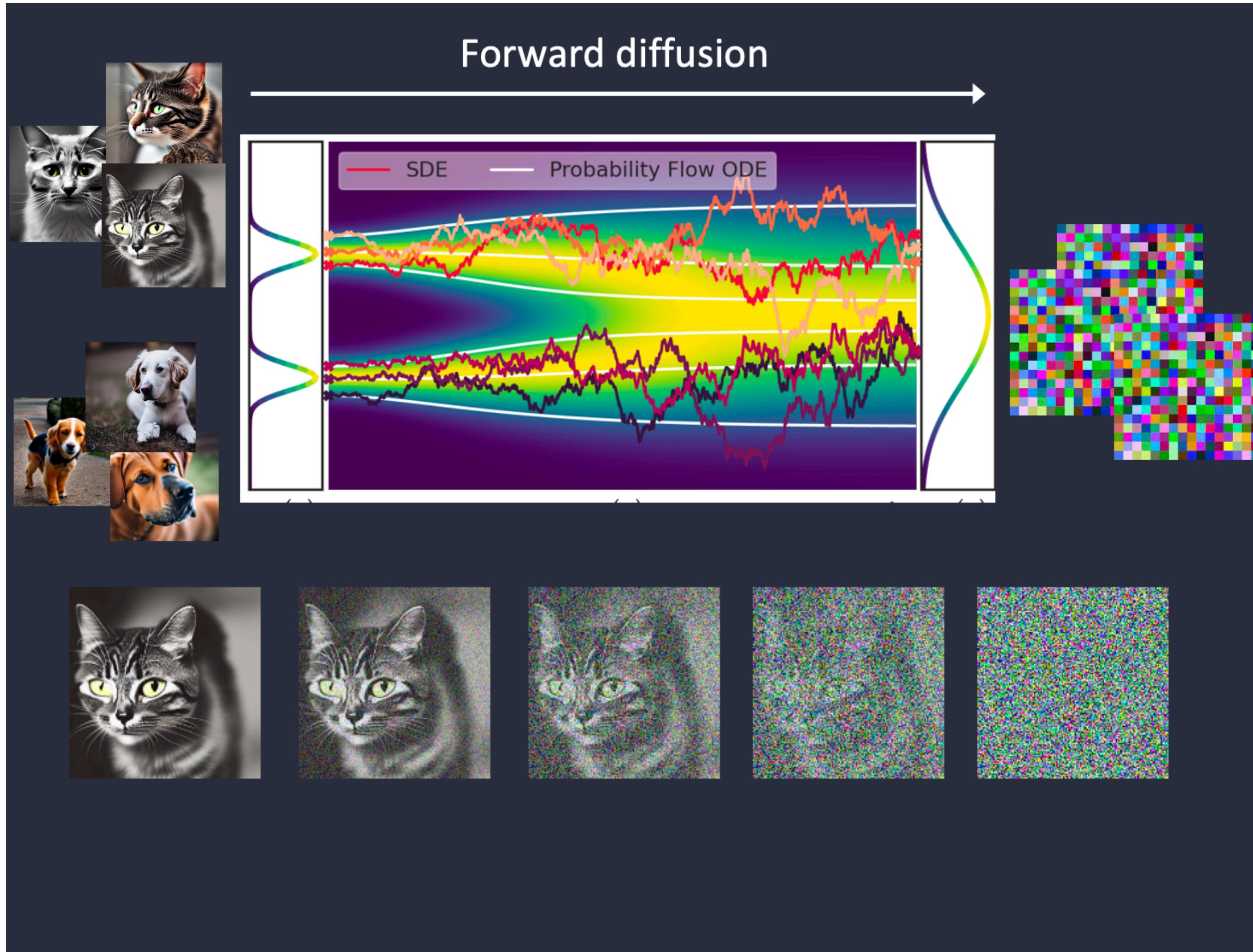


Text-to-Image

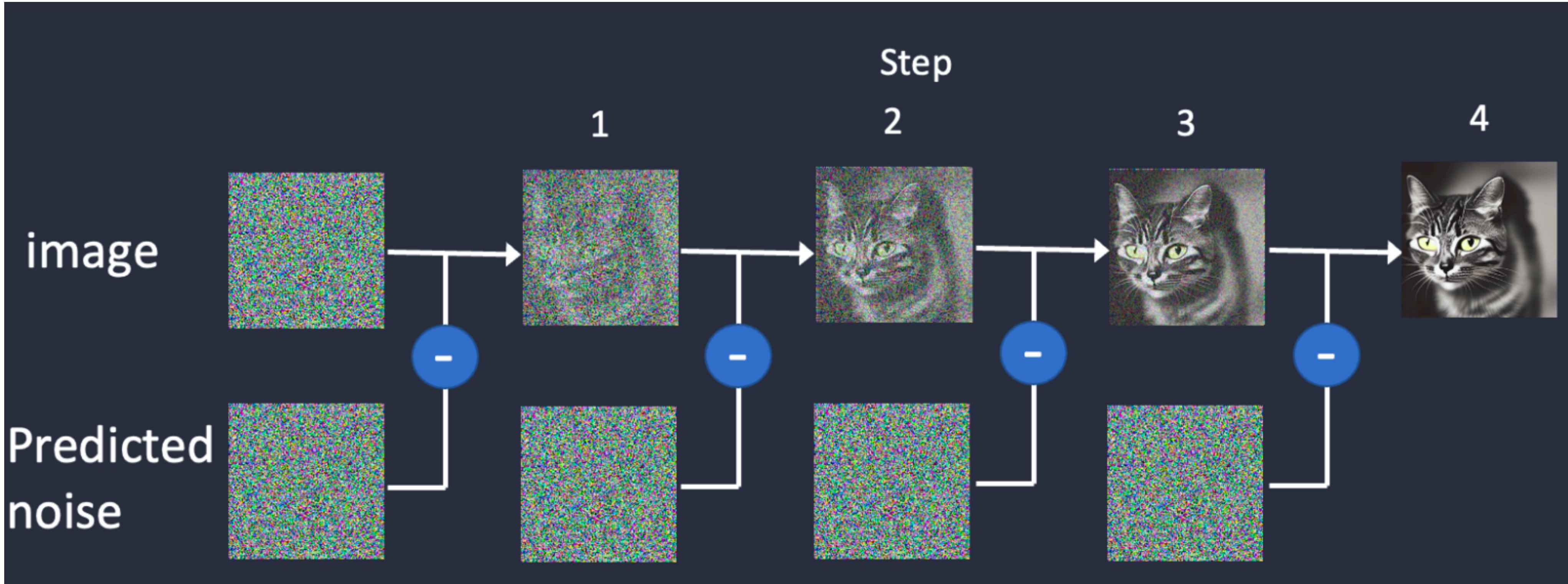
Stable Diffusion



Stable Diffusion



Stable Diffusion



DreamBooth: Fine Tuning Text-to-Image Diffusion Models for Subject-Driven Generation

[Nataniel Ruiz](#) [Yuanzhen Li](#) [Varun Jampani](#) [Yael Pritch](#) [Michael Rubinstein](#) [Kfir Aberman](#)

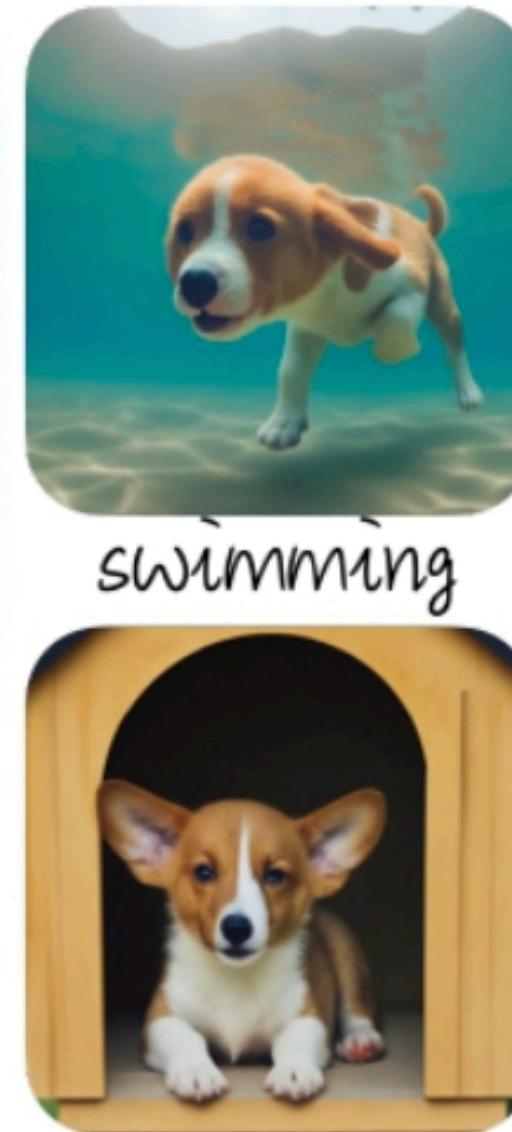
Google Research



Input images



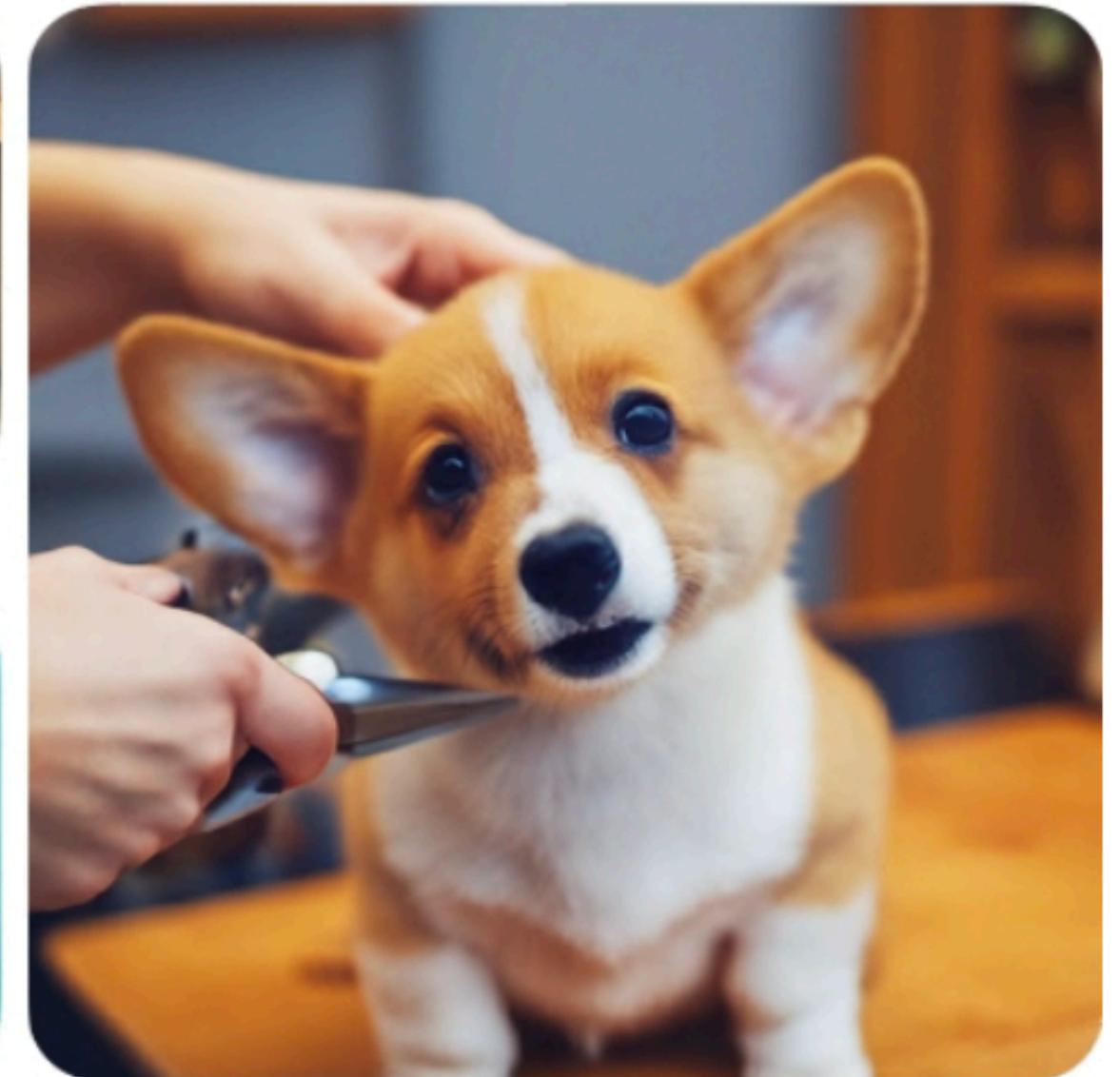
in the Acropolis



swimming



sleeping



getting a haircut

in a doghouse



in a bucket

ControlNet

Conditional control of Text-To-Image diffusion models



Gràcies!

<https://github.com/victormartingarcia/xerrada-IA-generativa>