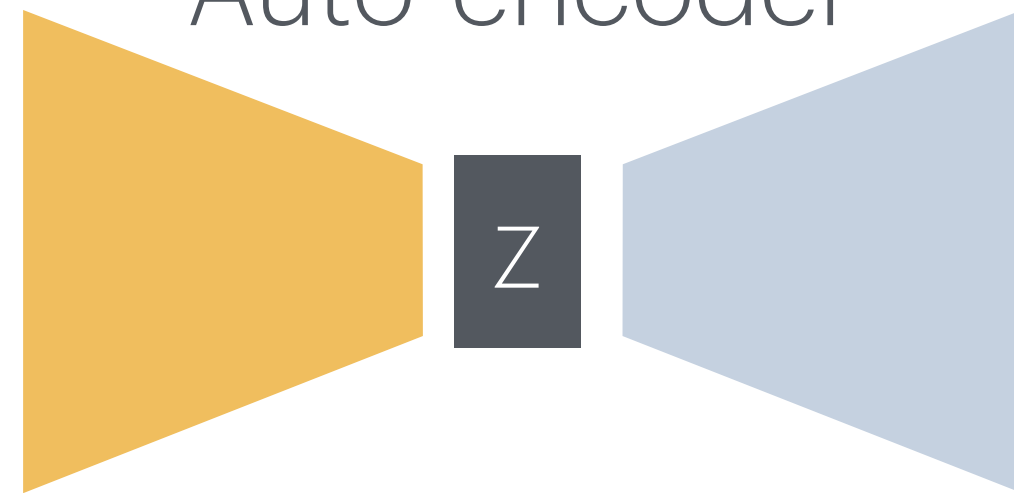


Which Generative Model Should I Use?

Recap

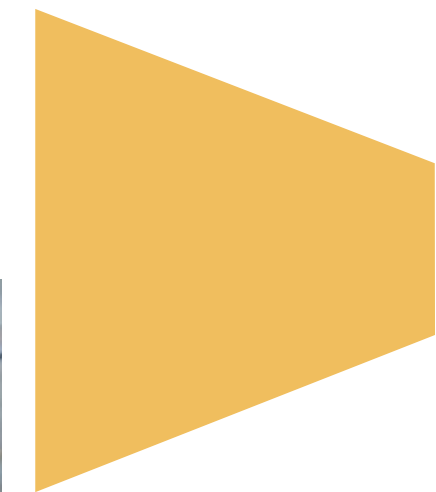
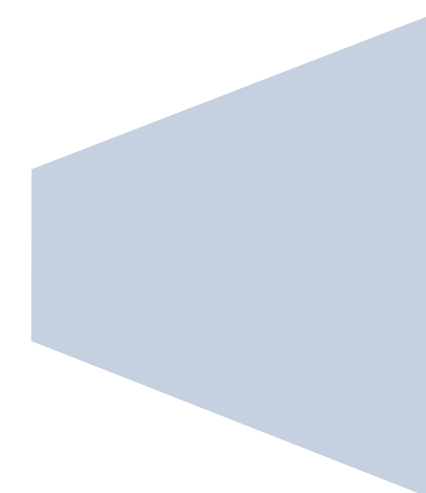
Auto-encoder



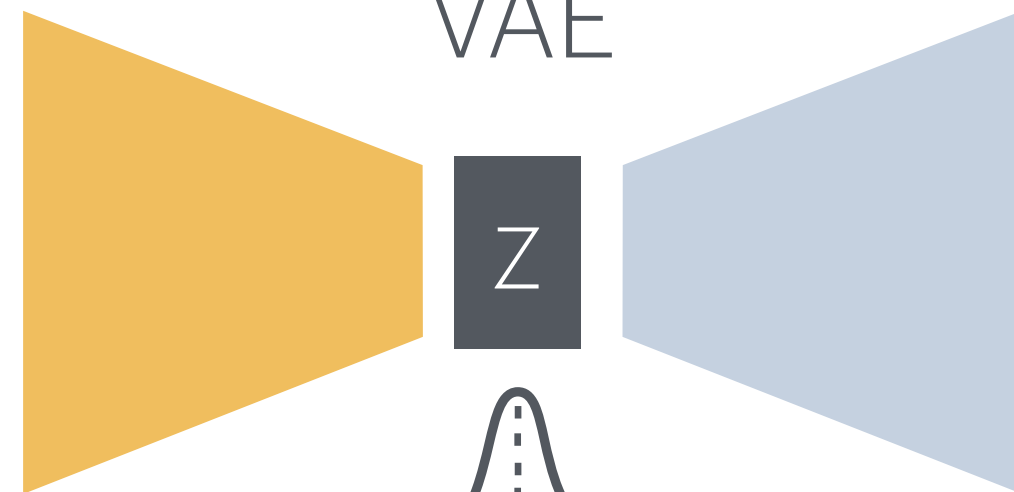
Flow-based



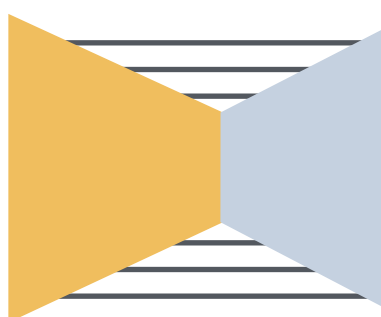
GAN



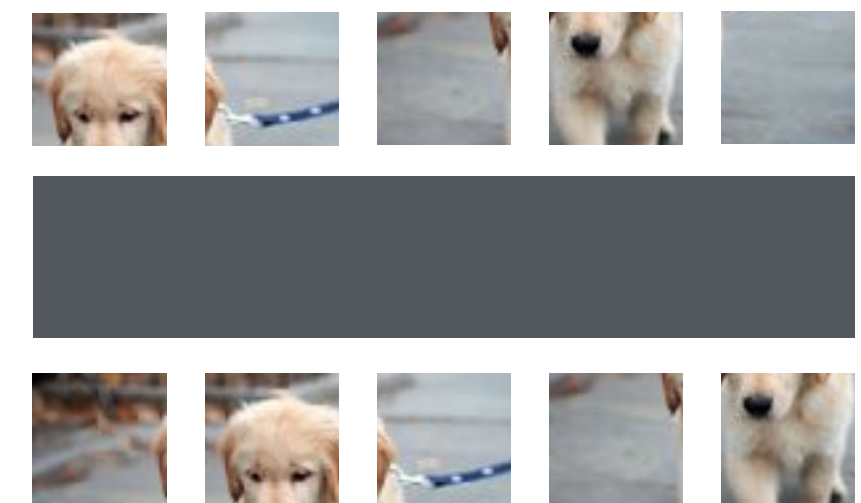
VAE



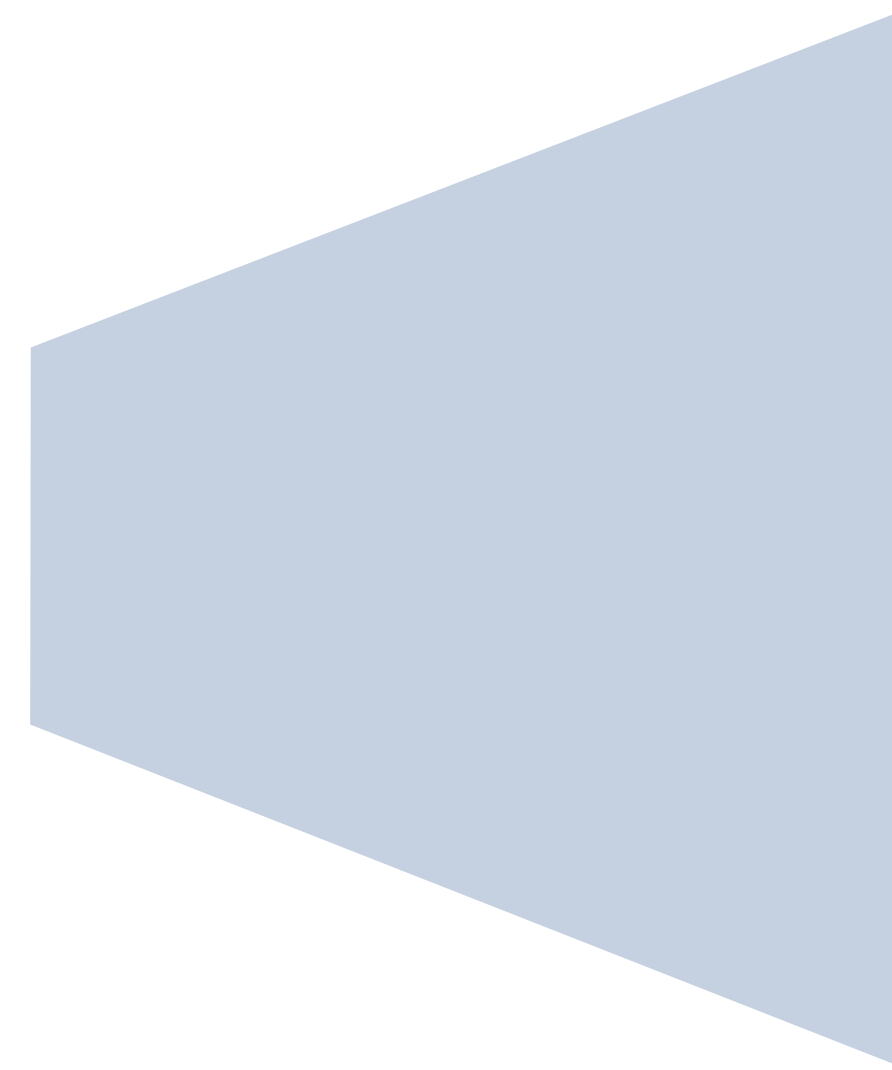
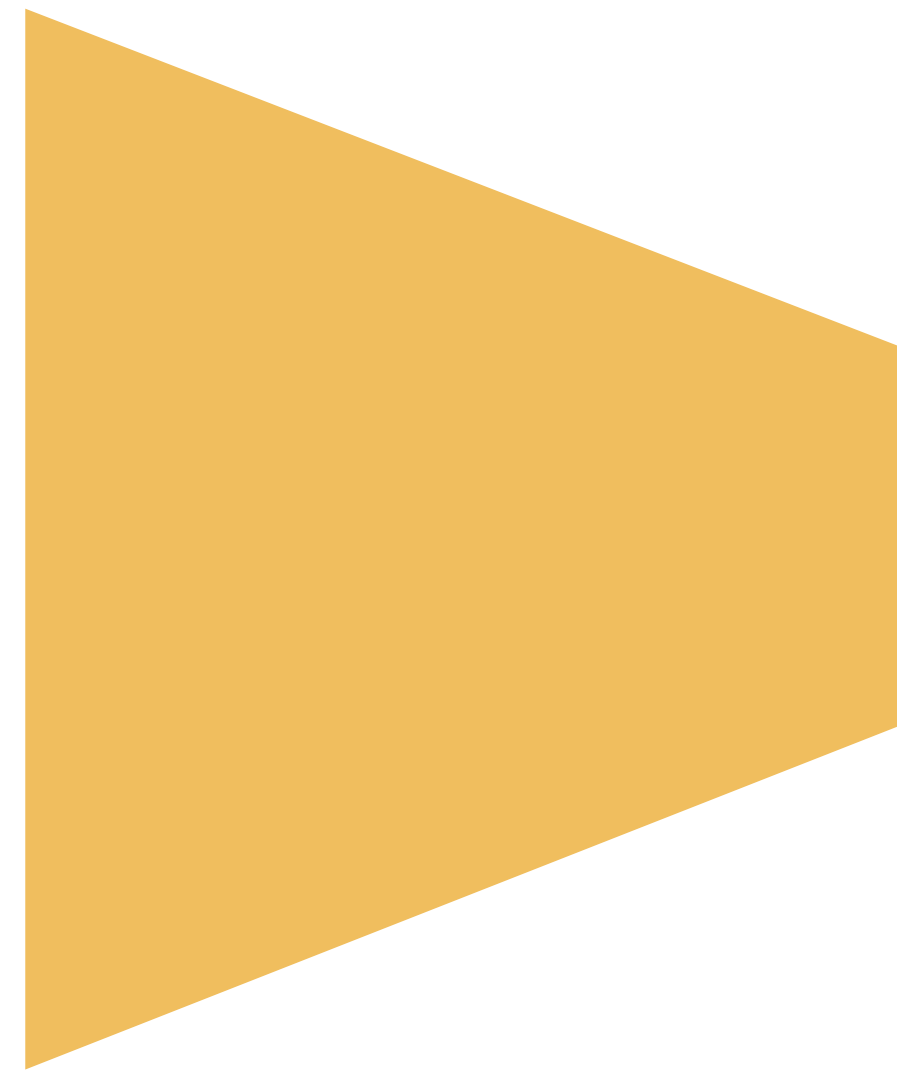
Diffusion



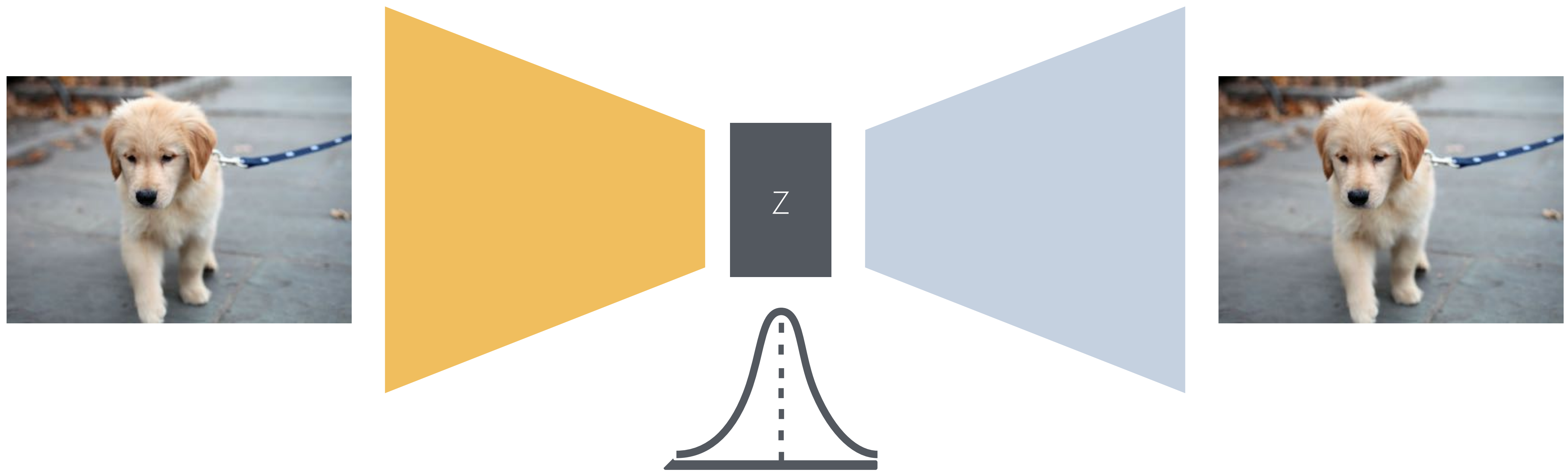
Auto-regressive



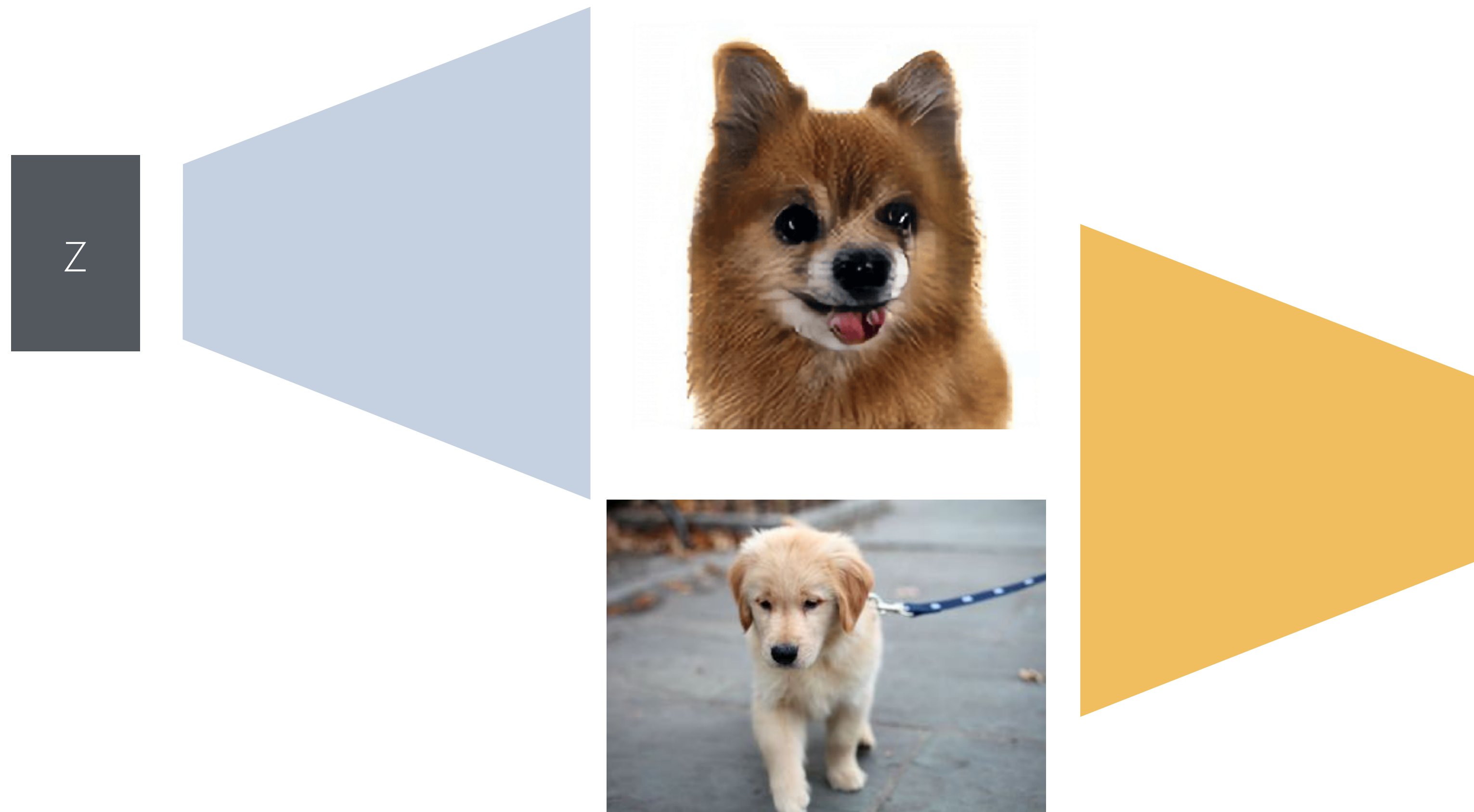
Auto-encoder



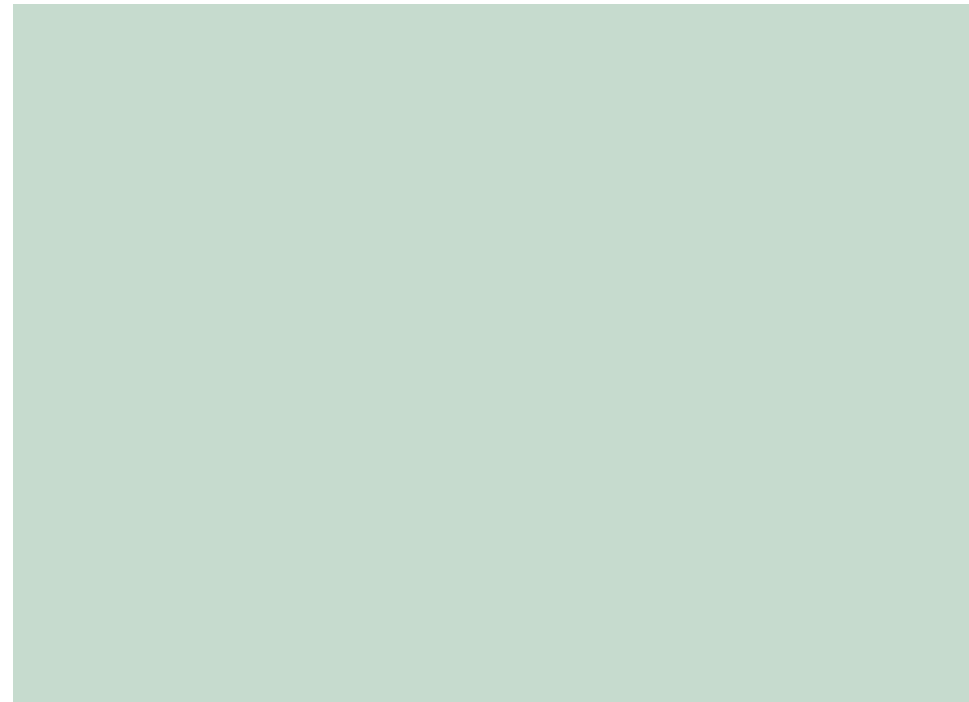
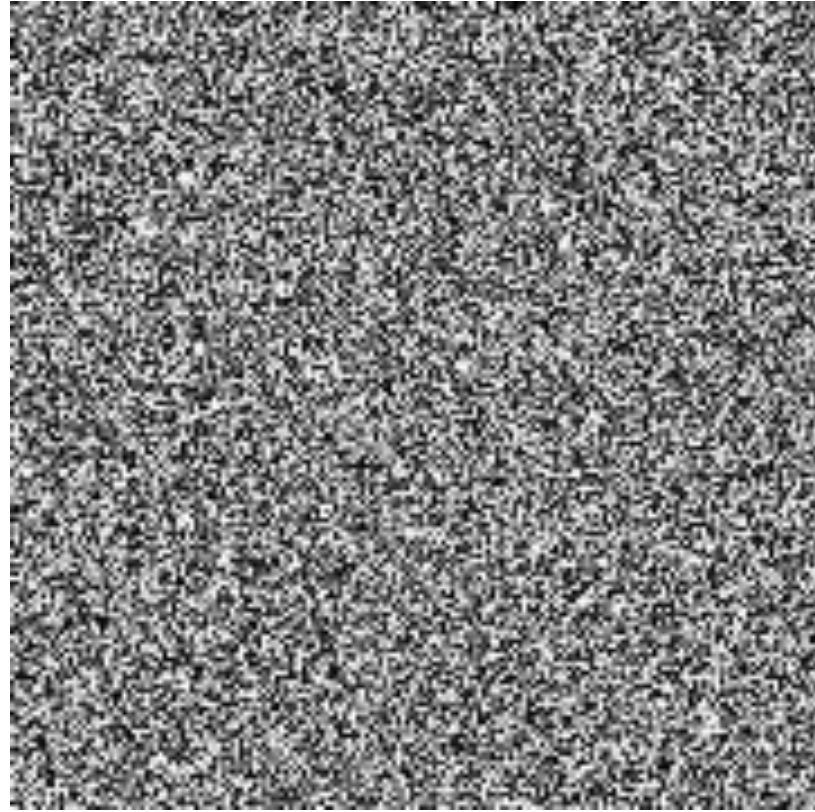
Variational Auto-Encoder



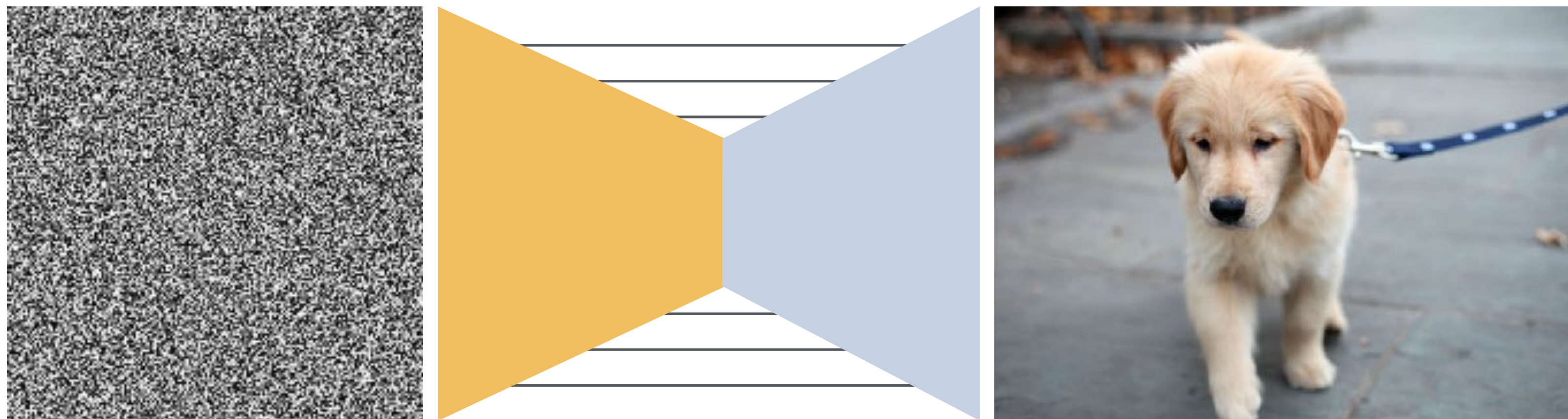
Generative Adversarial Networks



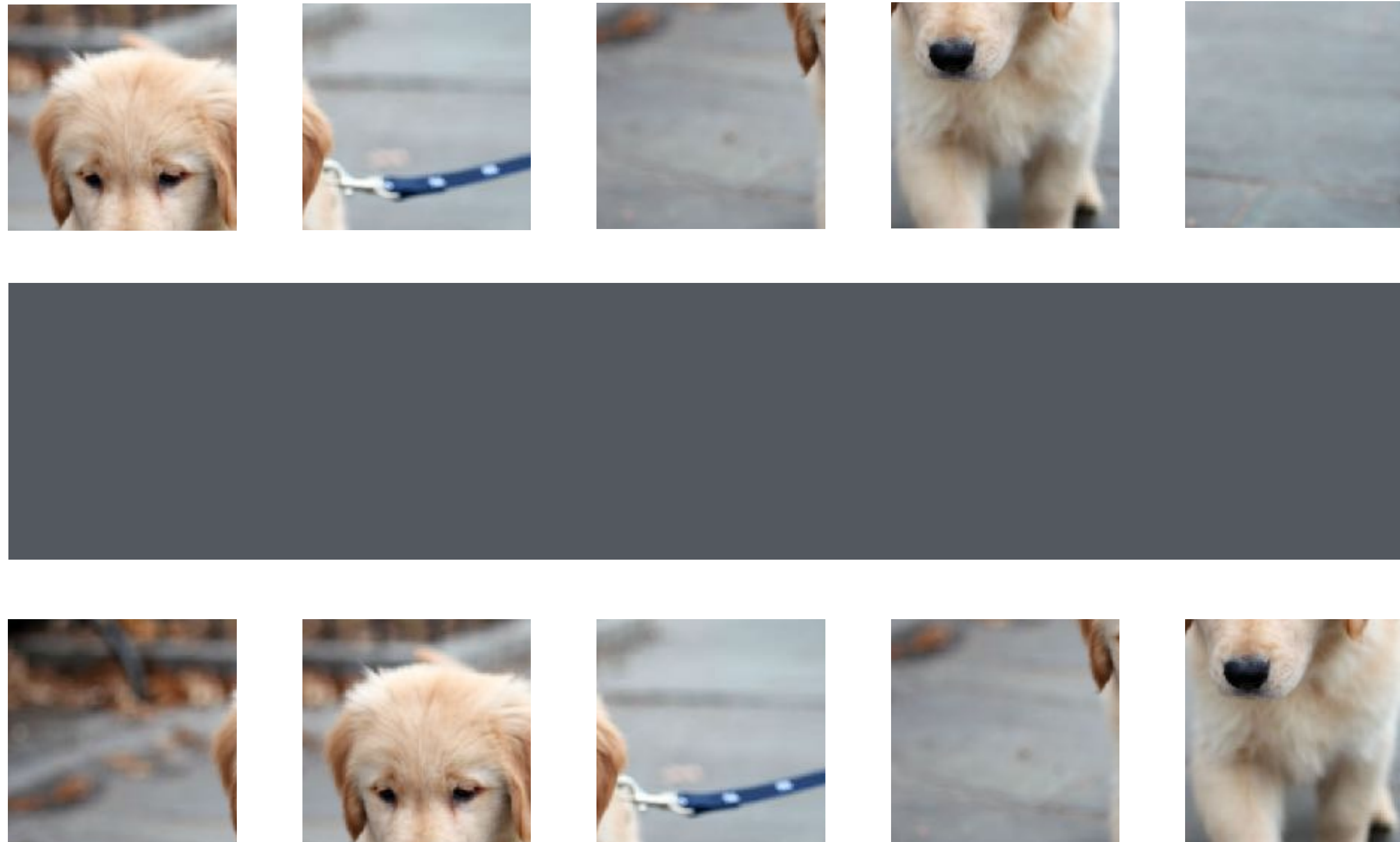
Flow-based Models



Diffusion Models



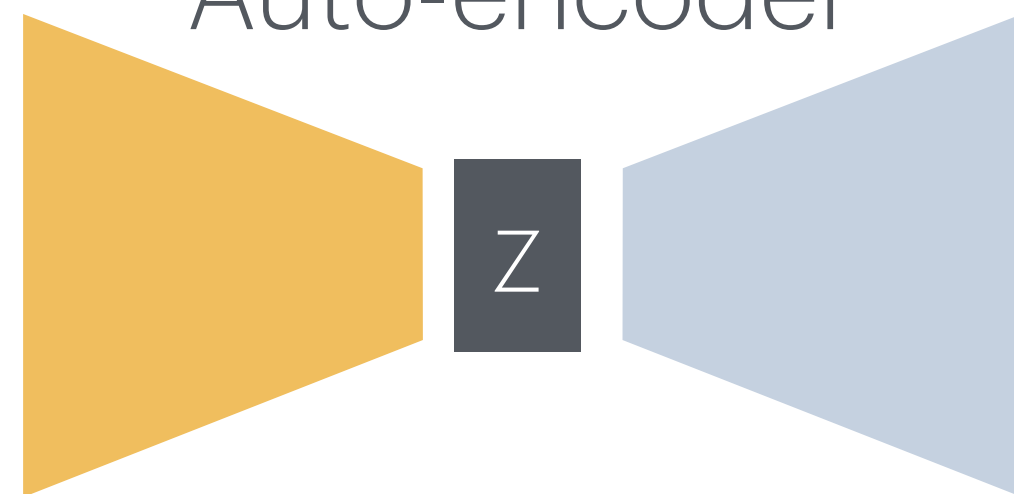
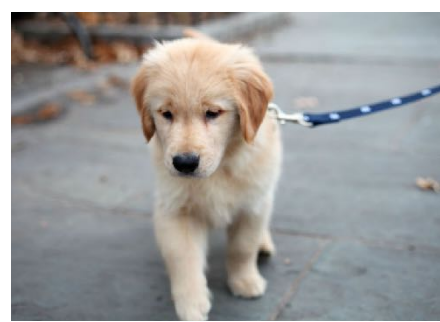
Auto-regressive Models



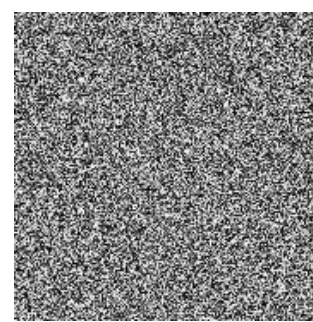
What model should I use?

As a generative model

Auto-encoder



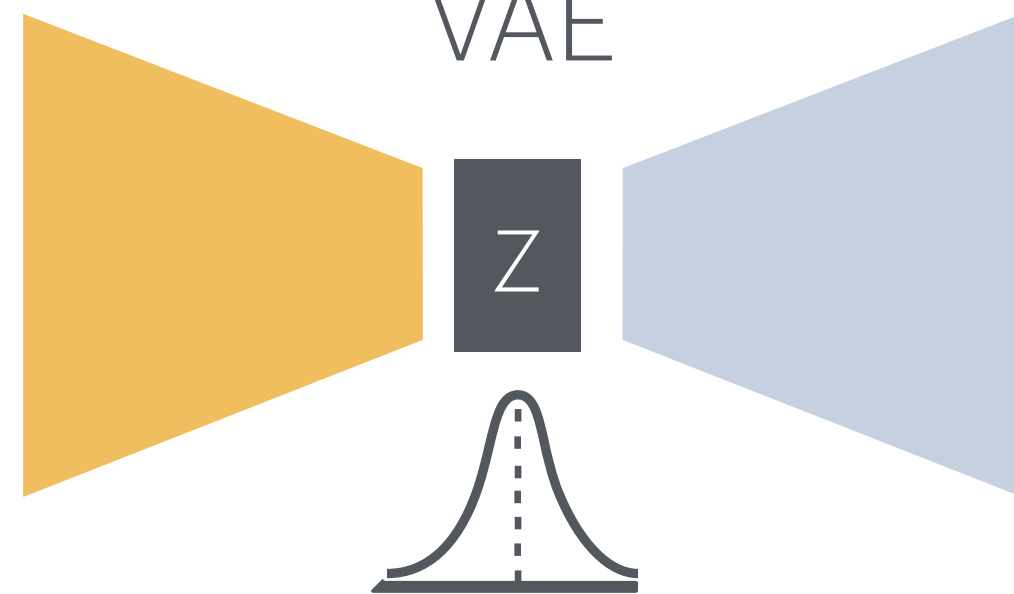
Flow-based



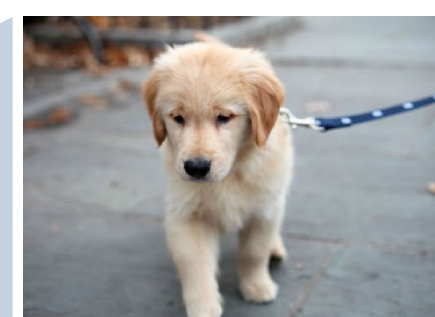
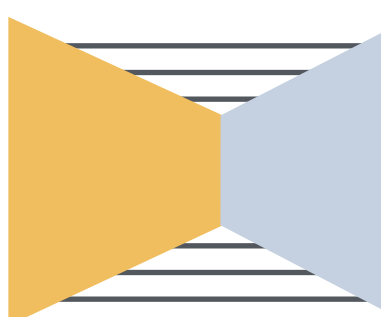
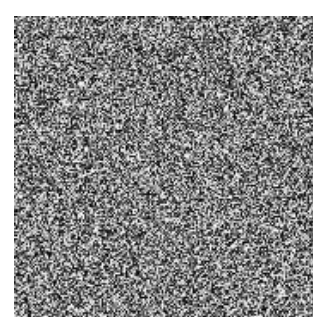
GAN



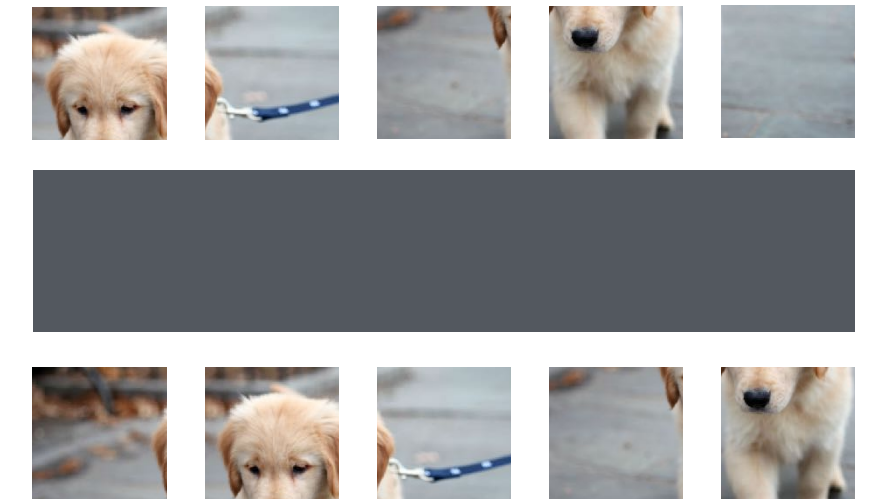
VAE



Diffusion



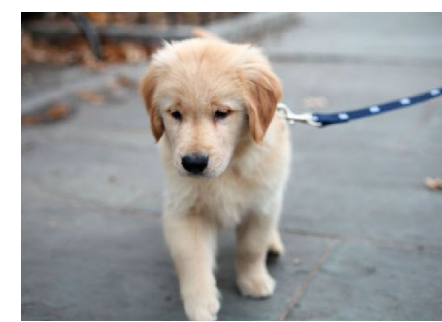
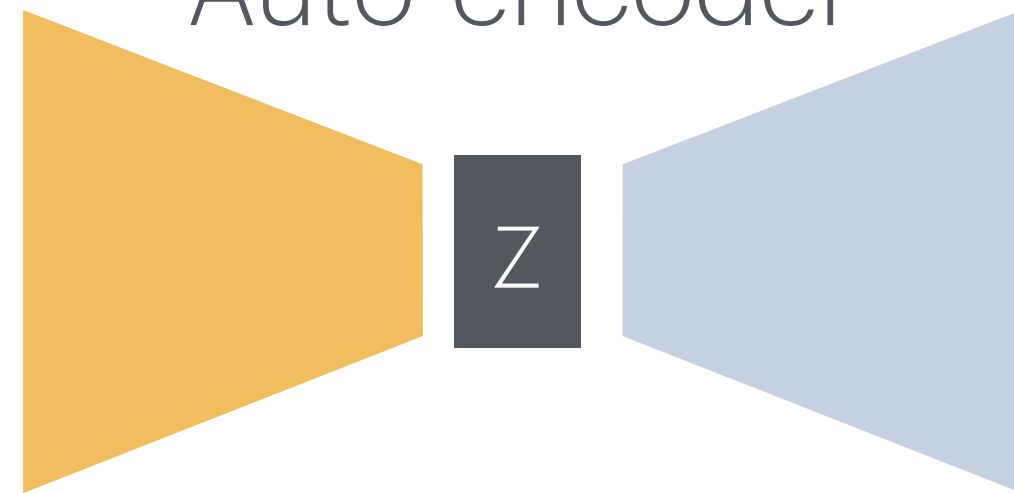
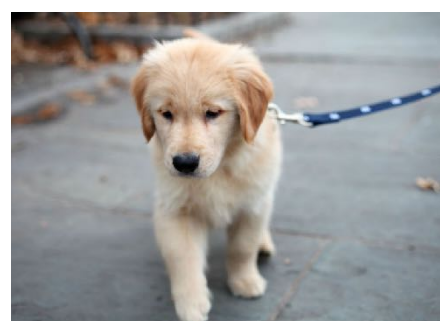
Auto-regressive



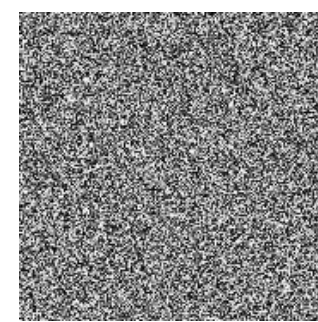
What model should I use?

Other uses

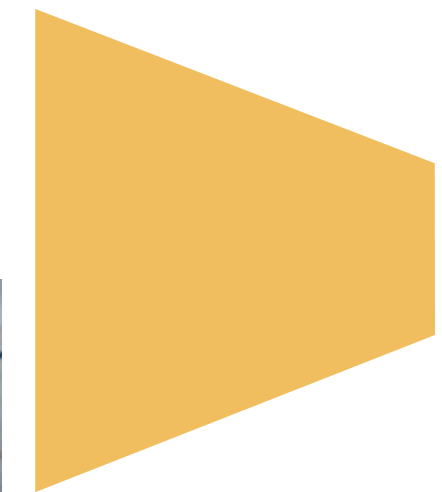
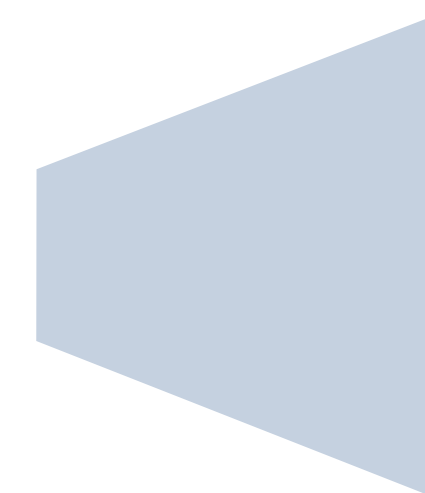
Auto-encoder



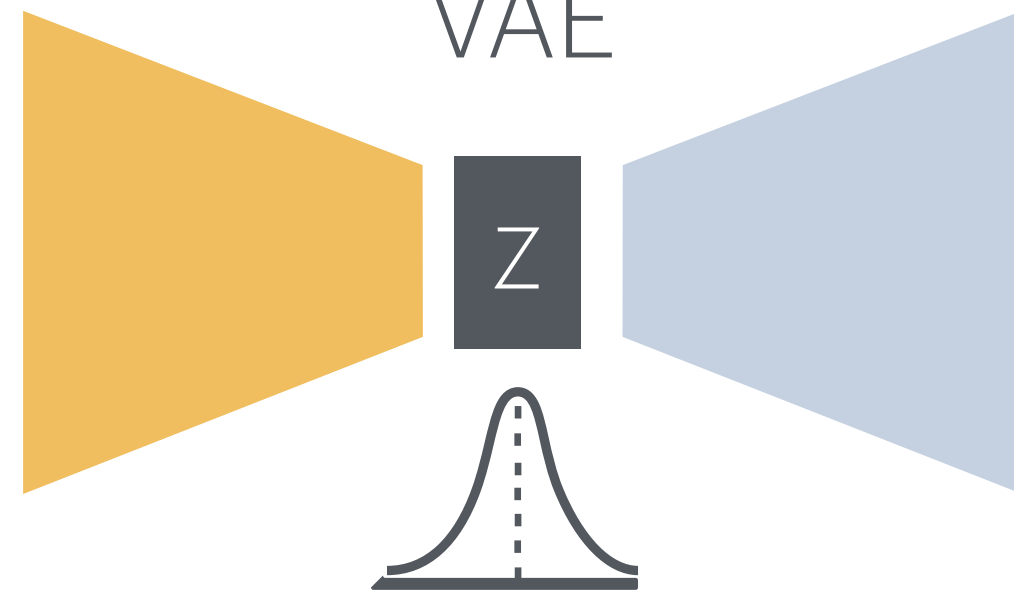
Flow-based



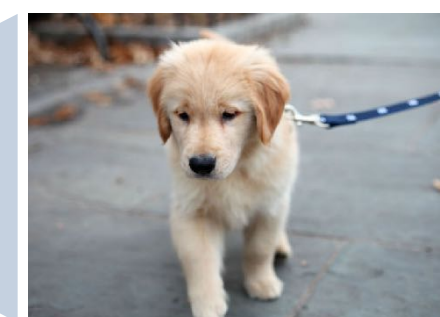
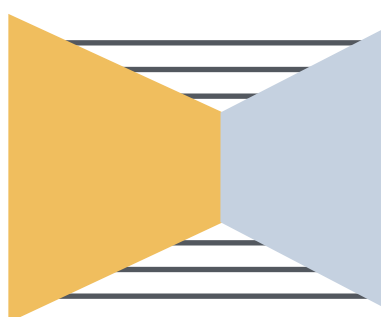
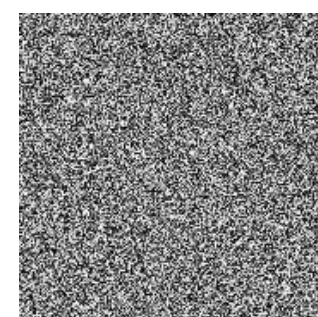
GAN



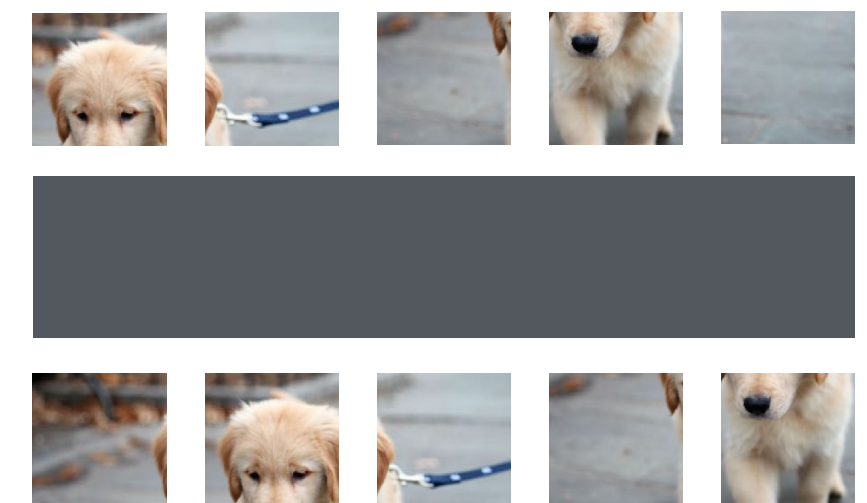
VAE



Diffusion



Auto-regressive



What model should I use?

Pre-trained models exist

Own domain
No prior models exist

What model should I use?

Pre-trained models exist

Own domain
No prior models exist

Big compute

Small compute

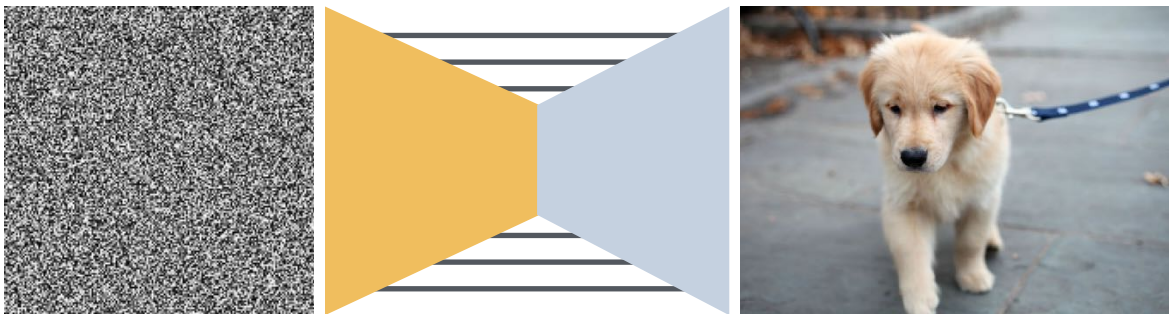
What model should I use?

Pre-trained models exist

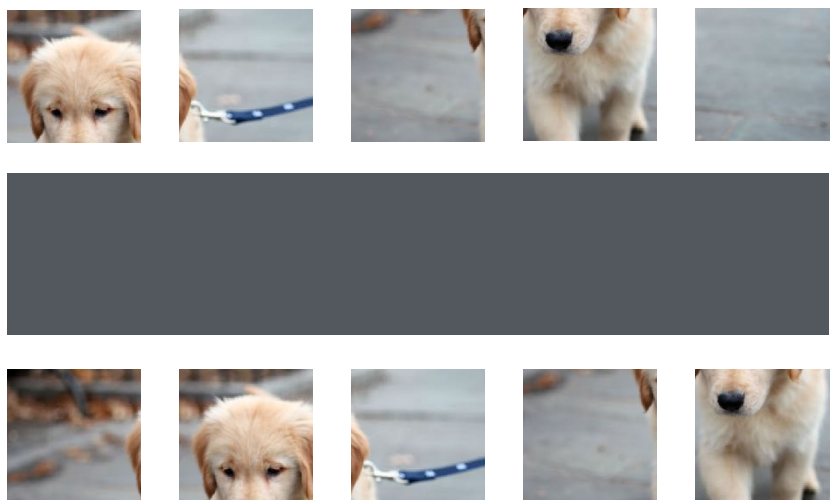
Big compute

Train

Diffusion



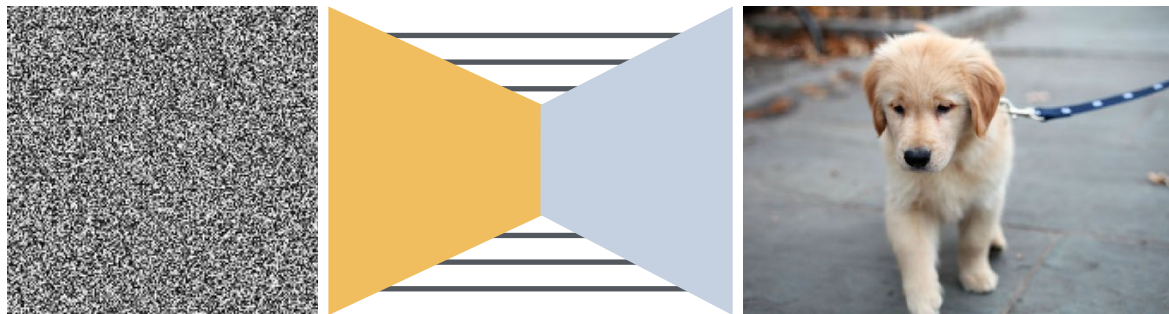
Auto-regressive



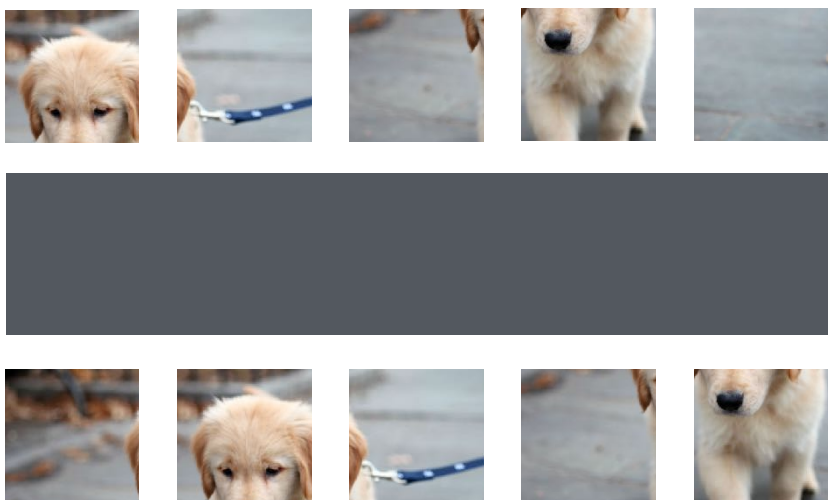
Small compute

Fine-tune

Diffusion



Auto-regressive



Own domain
No prior models exist

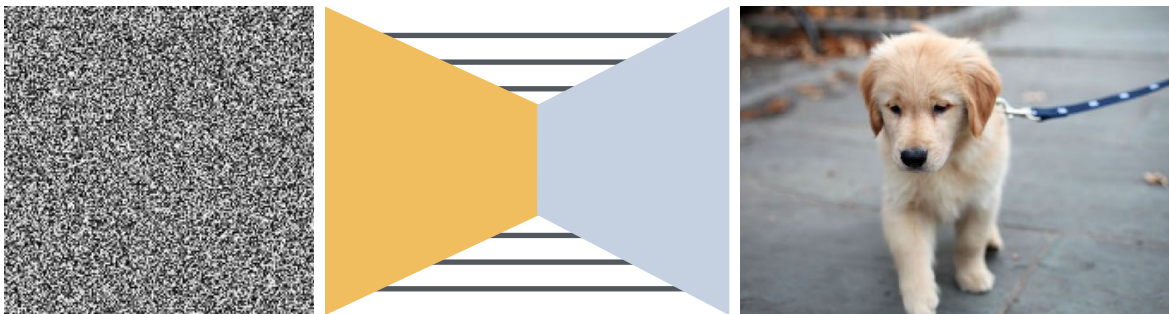
What model should I use?

Pre-trained models exist

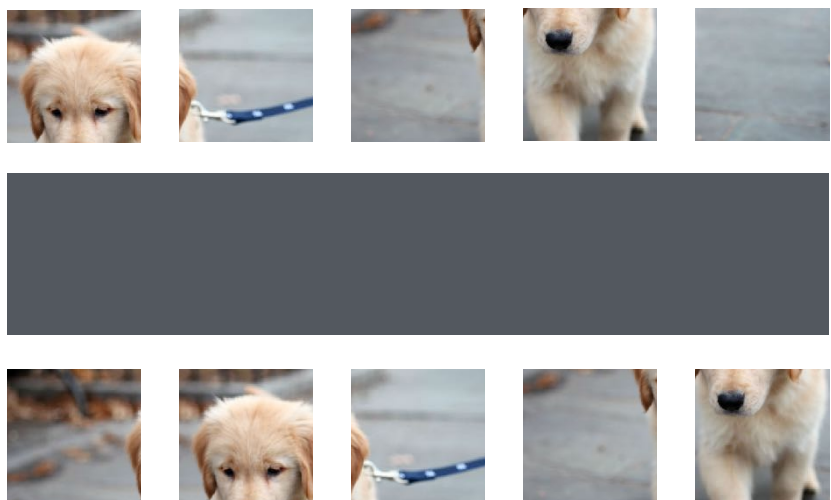
Big compute

Train

Diffusion



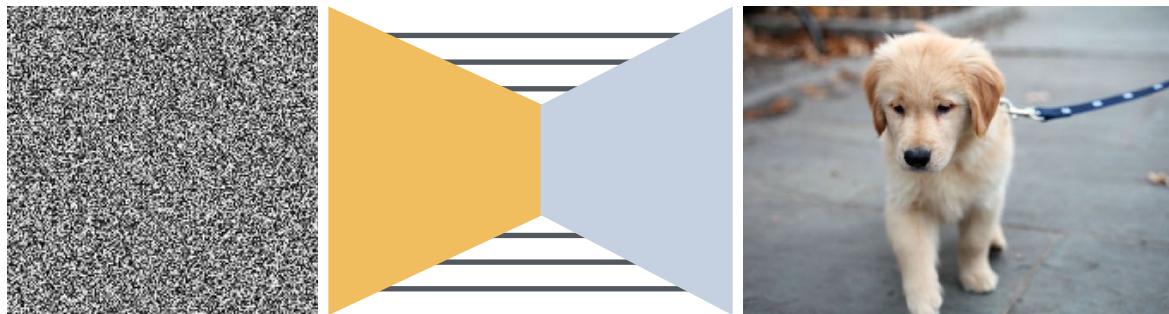
Auto-regressive



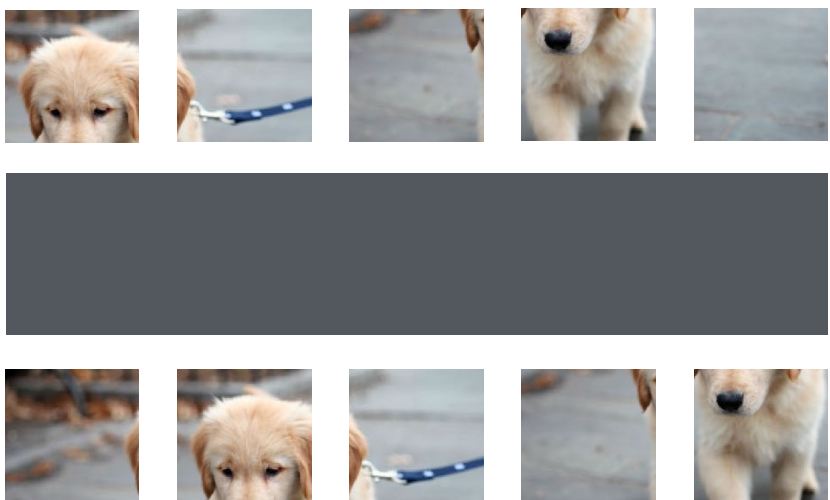
Small compute

Fine-tune

Diffusion



Auto-regressive



Own domain
No prior models exist

Big data, big compute

Small data
small compute

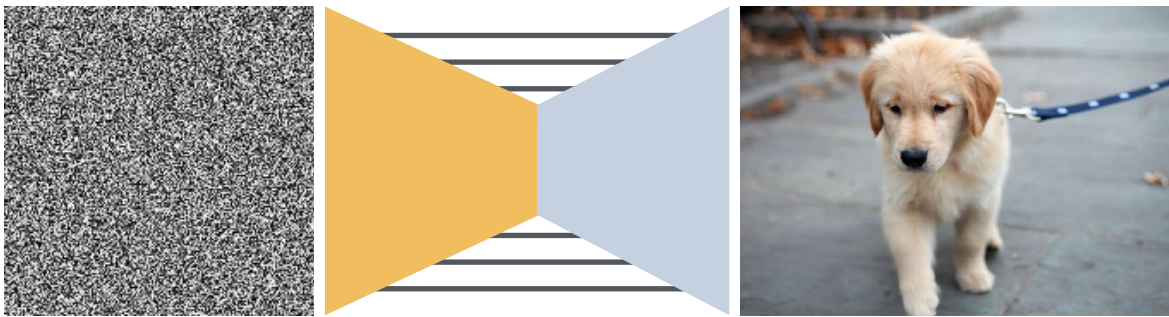
What model should I use?

Pre-trained models exist

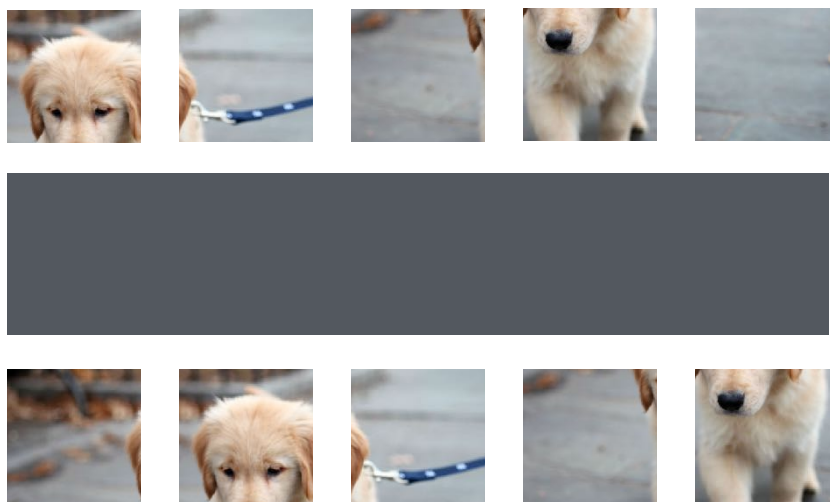
Big compute

Train

Diffusion



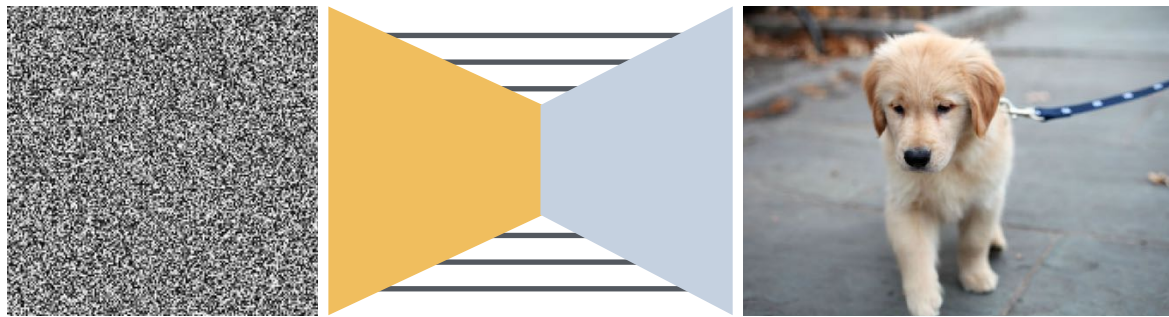
Auto-regressive



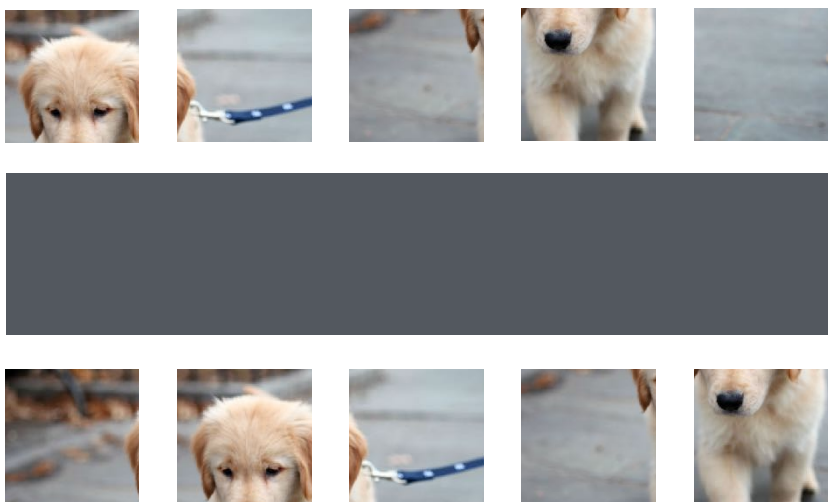
Small compute

Fine-tune

Diffusion



Auto-regressive



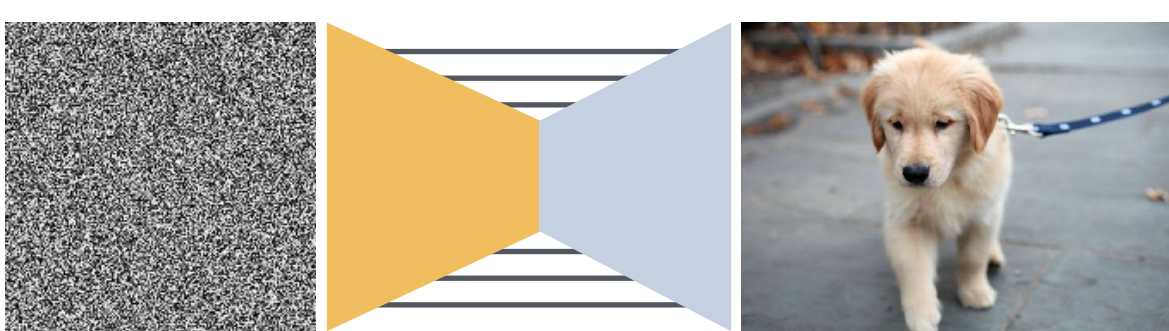
Own domain

No prior models exist

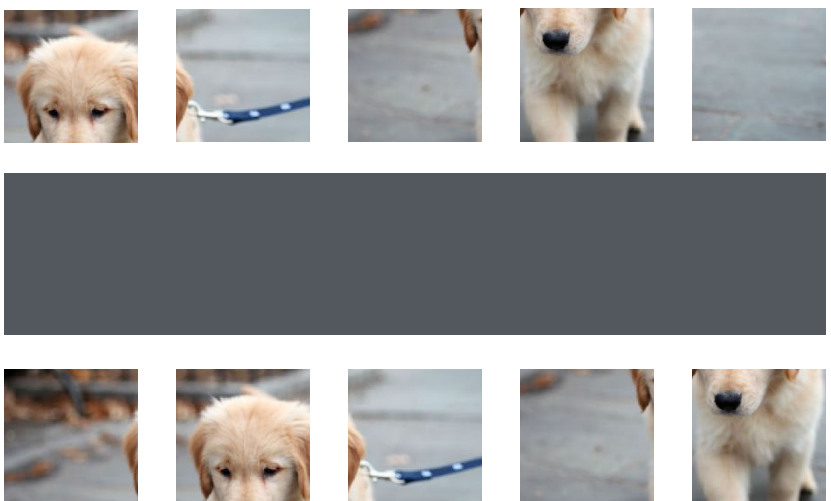
Big data, big compute

Train

Diffusion



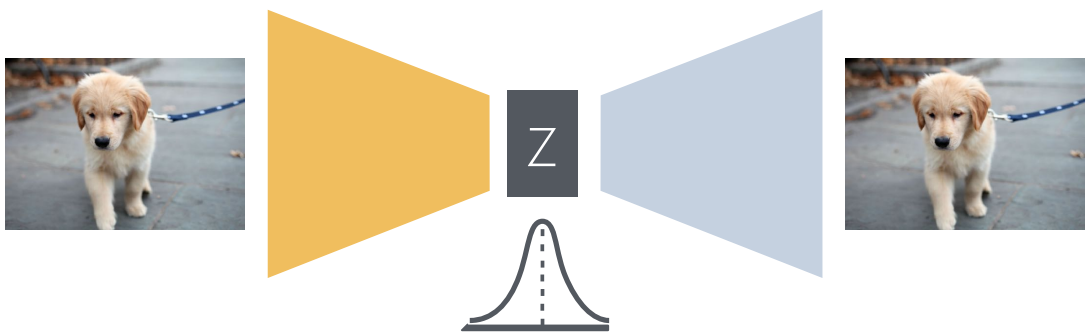
Auto-regressive



Small data
small compute

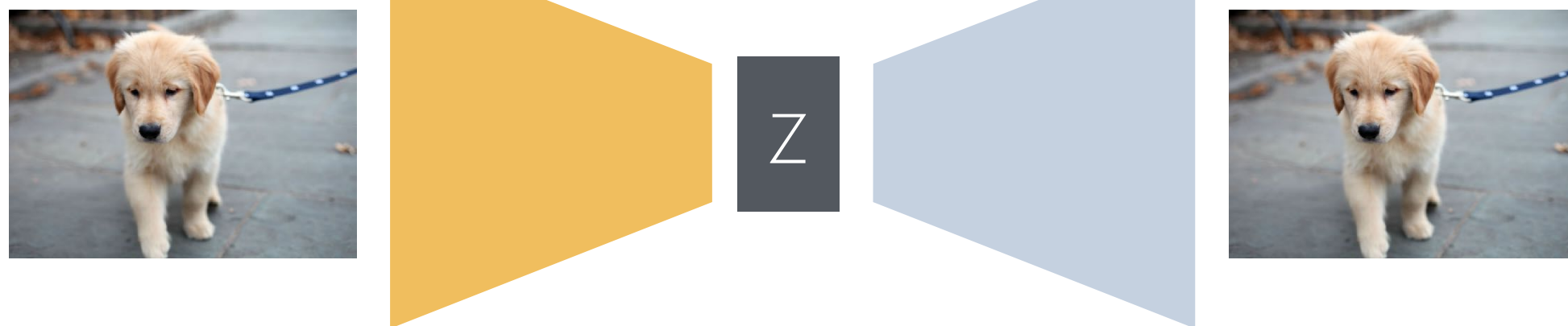
Train

VAE



Recap

Auto-encoder



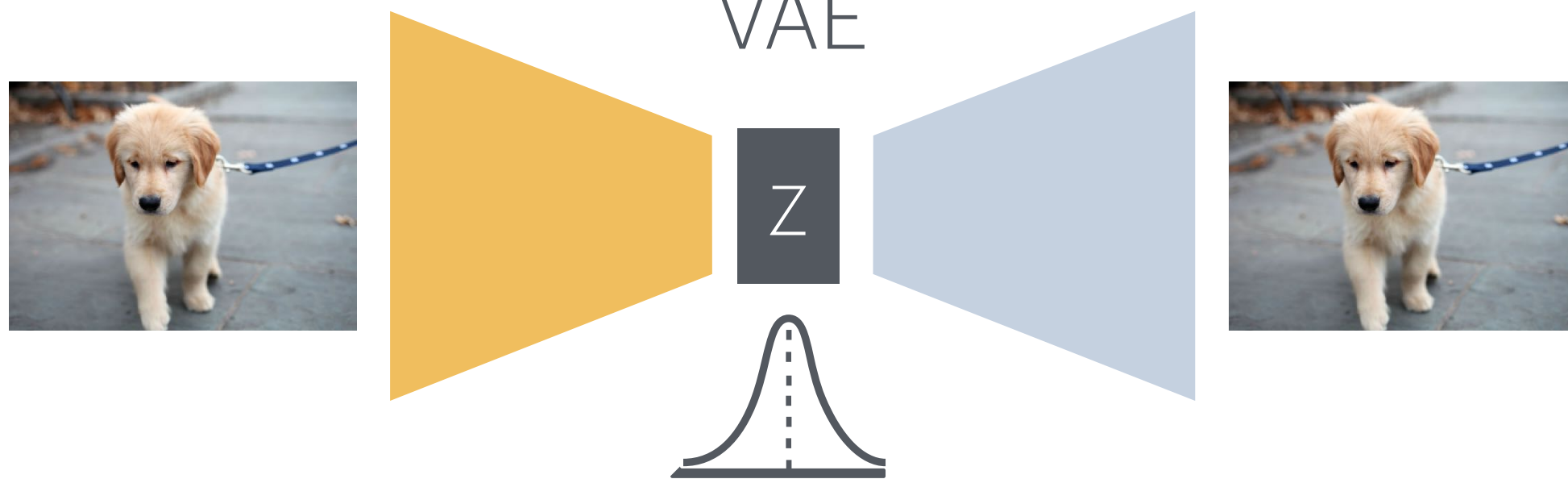
Flow-based



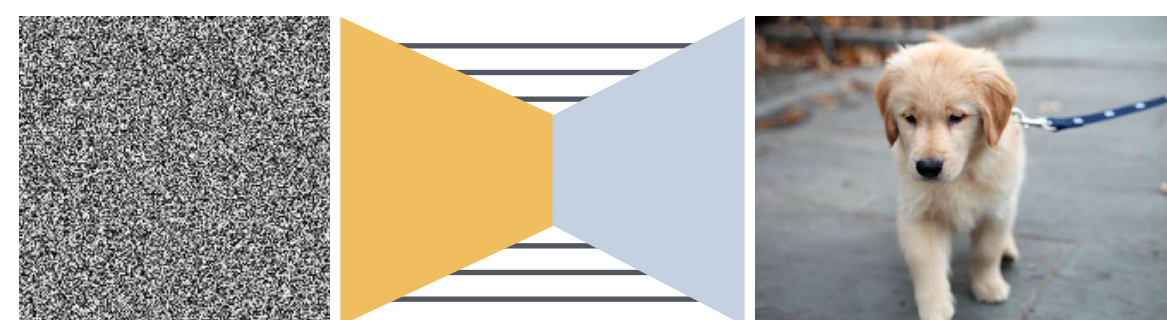
GAN



VAE



Diffusion



Auto-regressive

