

Generative AI - VAEs

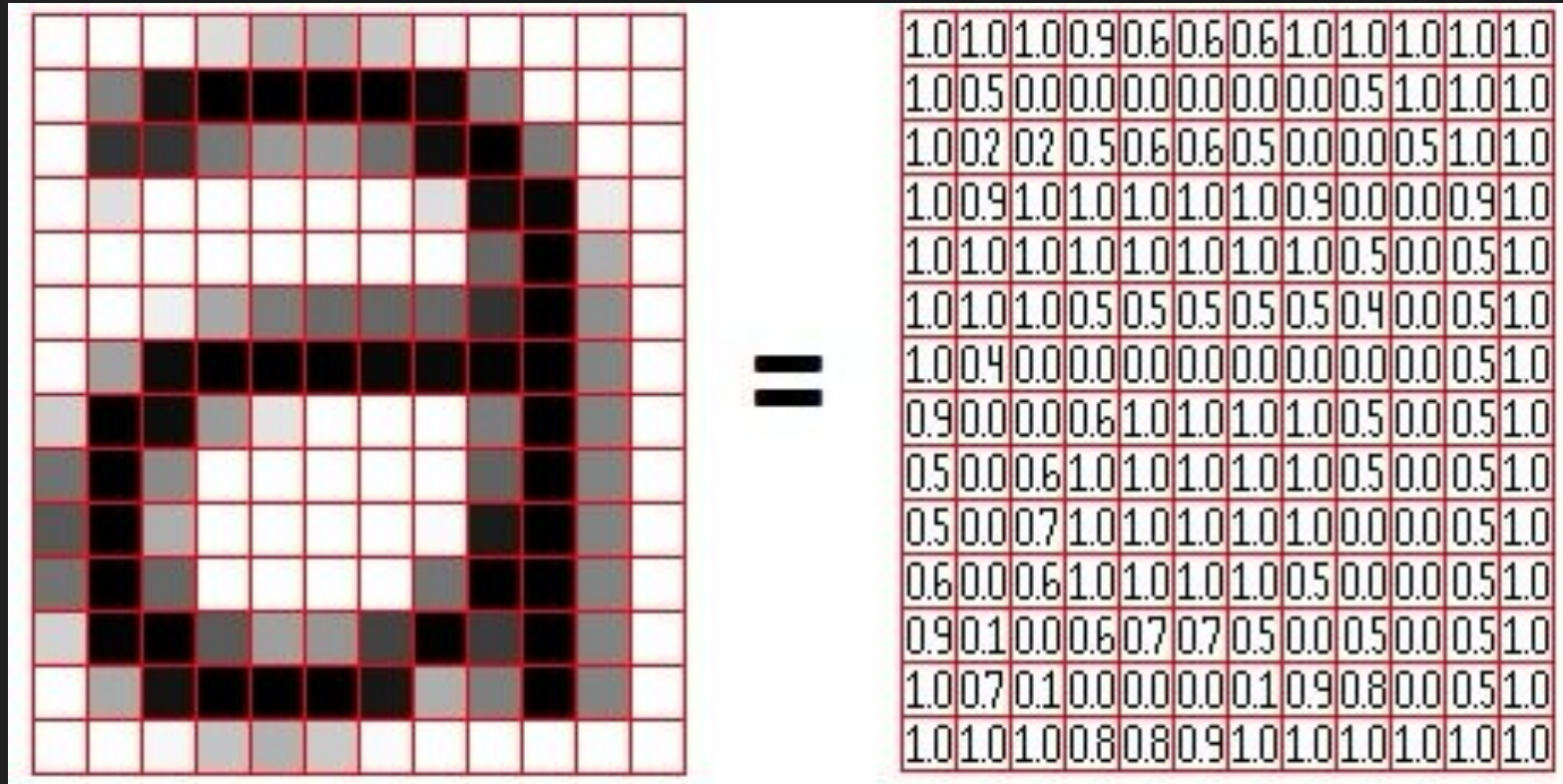
Do now: Find an image and take out a sheet of looseleaf.

Generative AI - VAEs

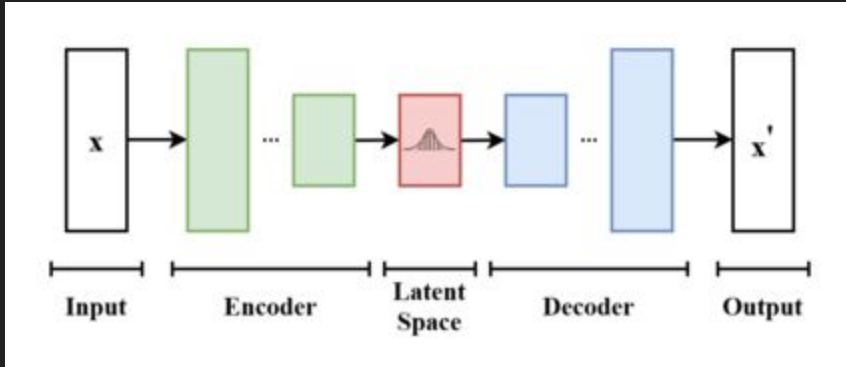
Do now: Find an image and take out a sheet of looseleaf.

In 100 seconds, list as many attributes as possible

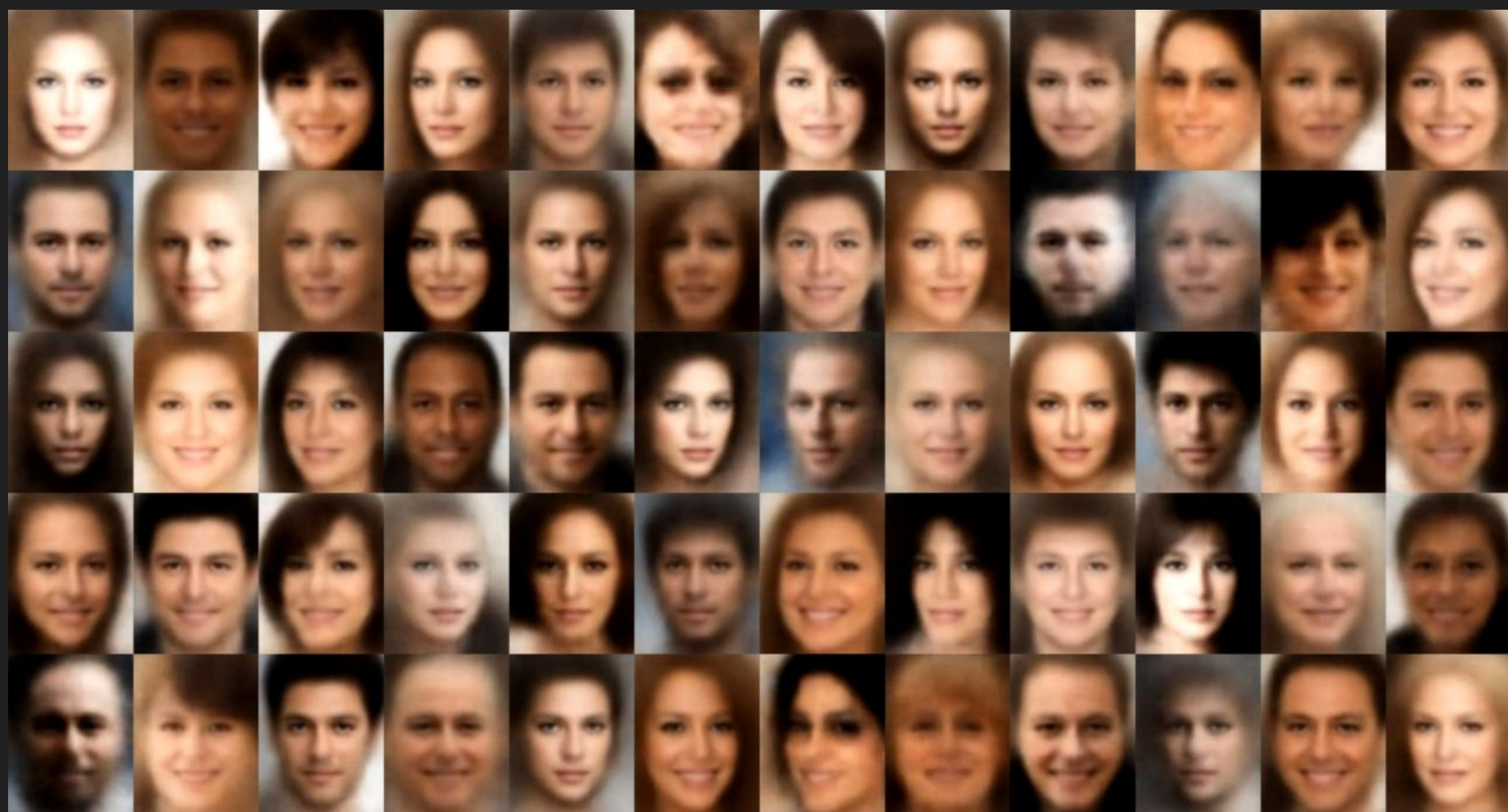
HOW COMPUTERS SEE NUMBERS

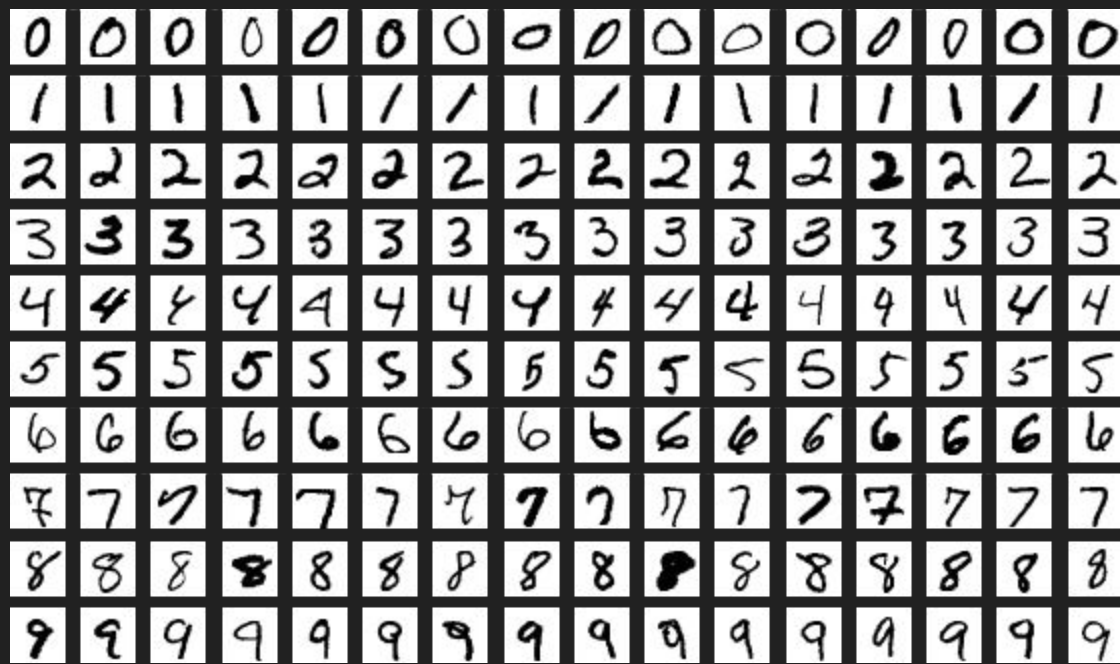


VAEs



- Type of generative AI model.
- VAEs can be used to generate new data similar to the training data.
- Used for image generation, text generation, and anomaly detection.





Famous MNIST dataset

- Handwritten digits
- The dataset contains 60,000 training images and 10,000 testing images.

Coding time!

Go to

stuyai.org/vae_mnist_blank

Additional discussion: with what objects could
you make a VAE model