Pixel-wise synthetic dataset generation

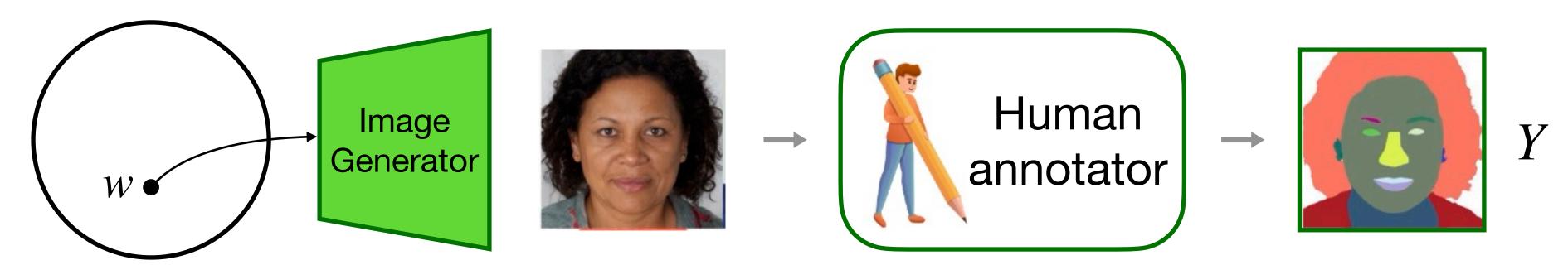

Pre-trained StyleGAN2 [19] generators

Latent space $\mathscr{W}$

w

Image Generator

X

Label Generator

Y

Goal: Learn label generator (few-shot)

[19] Karras *et al.* (2020)

34

The DatasetGAN [20] paradigm

Annotate small number of GAN generated images, store latent code and label pairs (w, Y)

[20] Zhang *et al.* (2021)   [21] Baranchuk *et al.* (2022)