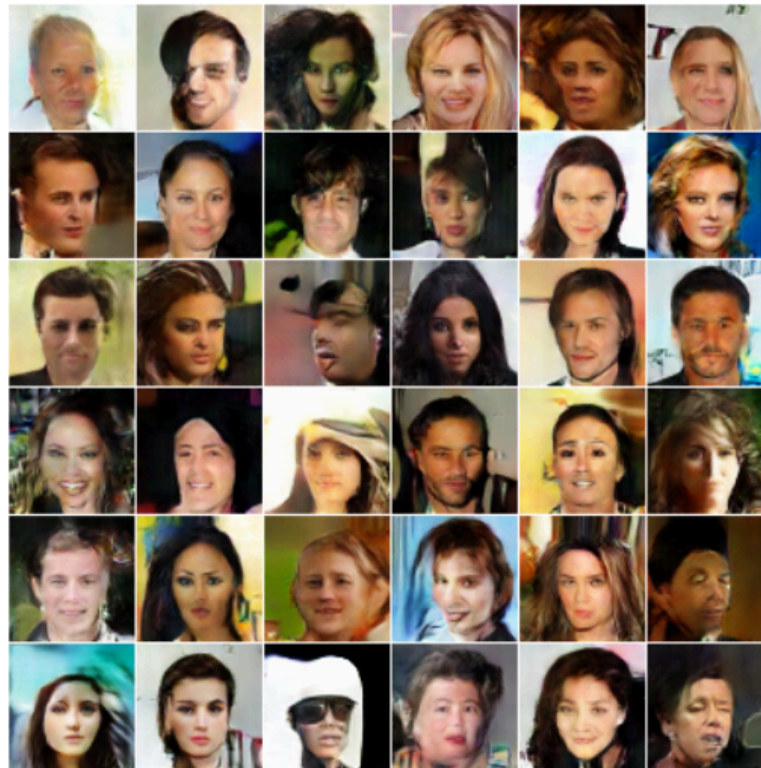# Why model $p(x)$

- Generate new data

[Zhao et. al. Energy-based generative adversarial network]