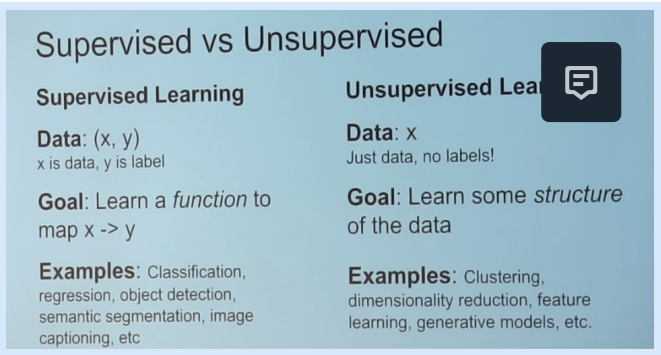
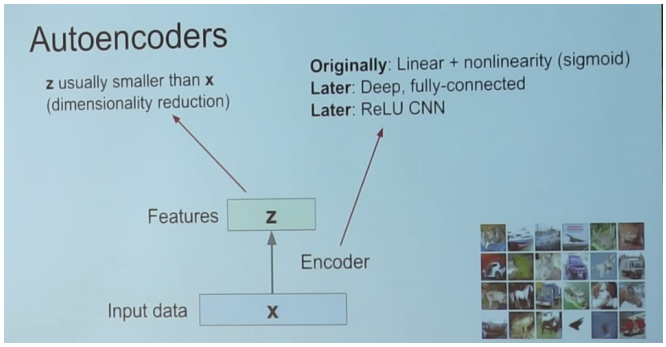
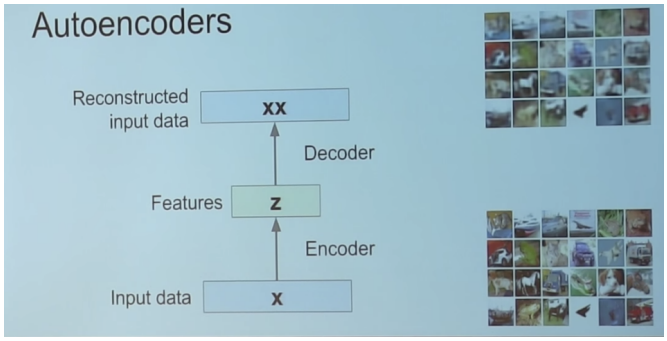
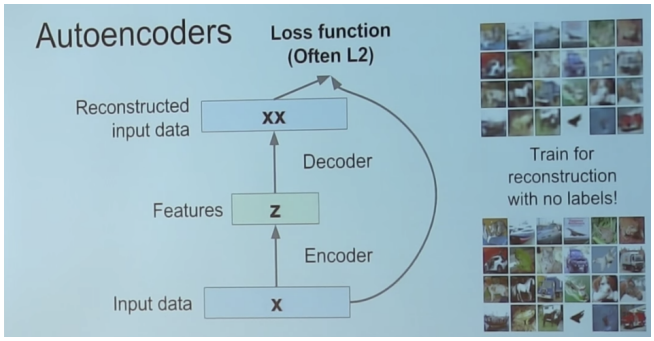
unsupervised approaches, autoencoders, GANs

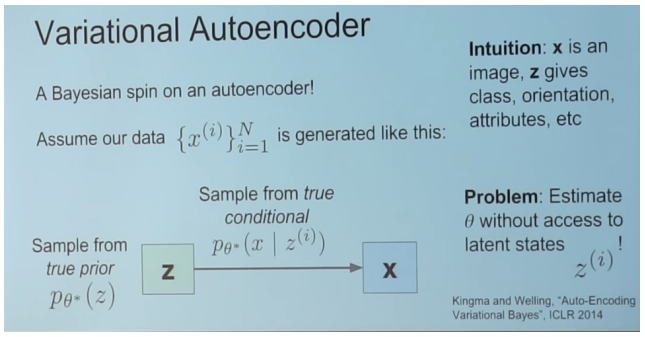
Variational Autoencoders (notes on deep learning book has covered this in more detail → high level idea here)

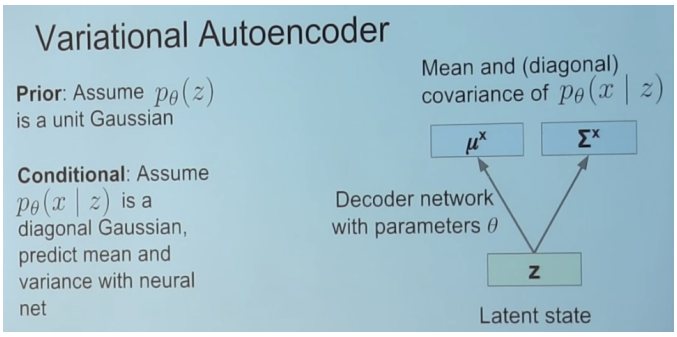


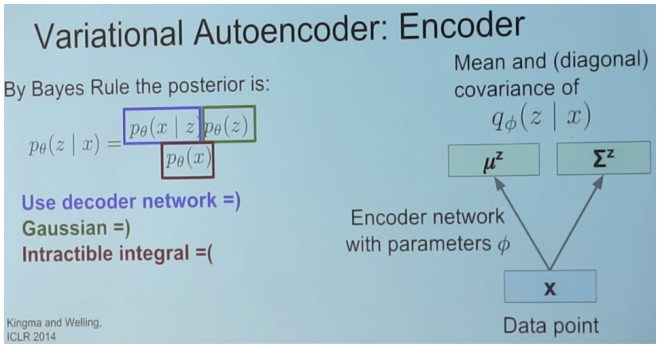










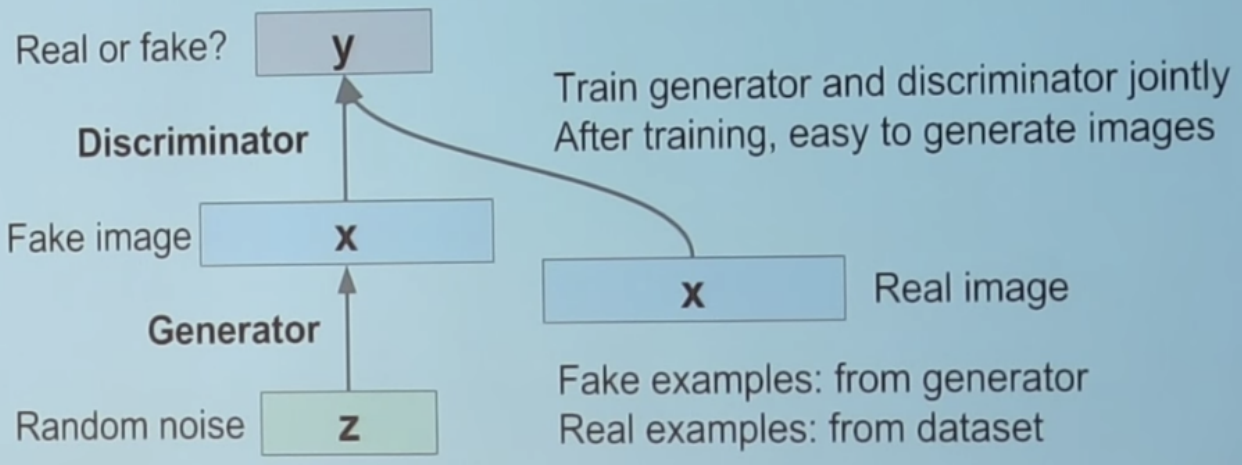


GANs

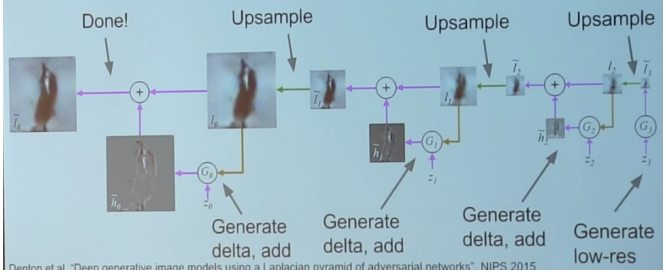
Generative Adversarial Nets

Adversarial Nets", NIPS 2014

Can we generate images with less math?

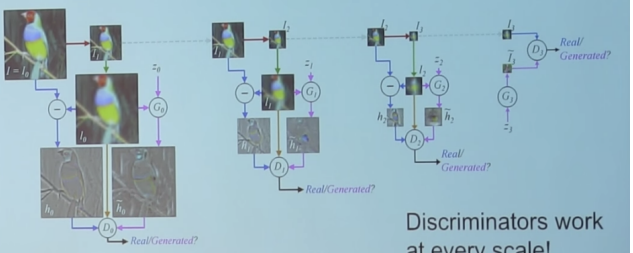


Generative Adversarial Nets: Multiscale



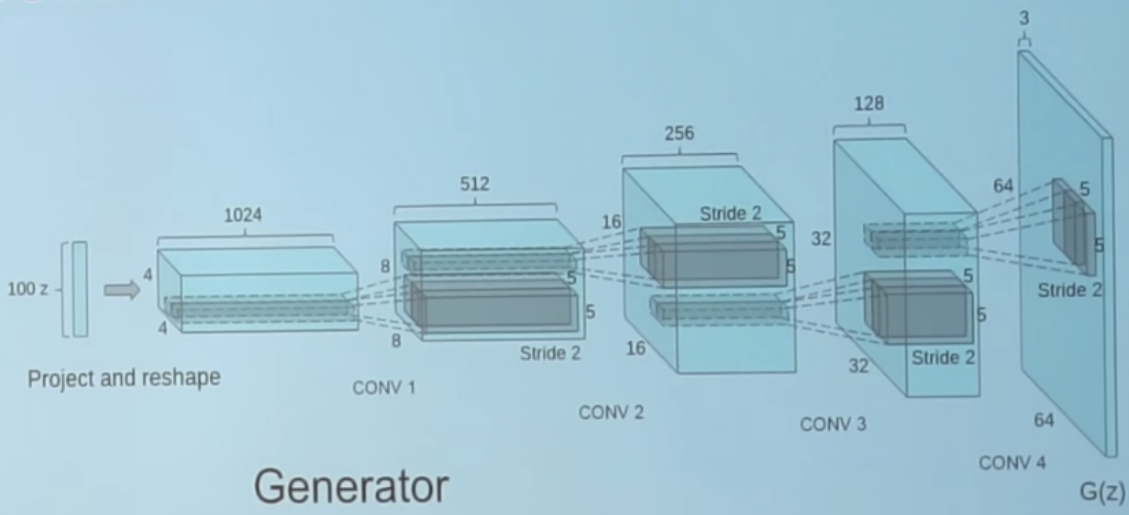
Denton et al, "Deep generative image models using a Laplacian pyramid of adversarial networks", NIPS 2015

Generative Adversarial Nets: Multiscale



Denton et al, NIPS 2015

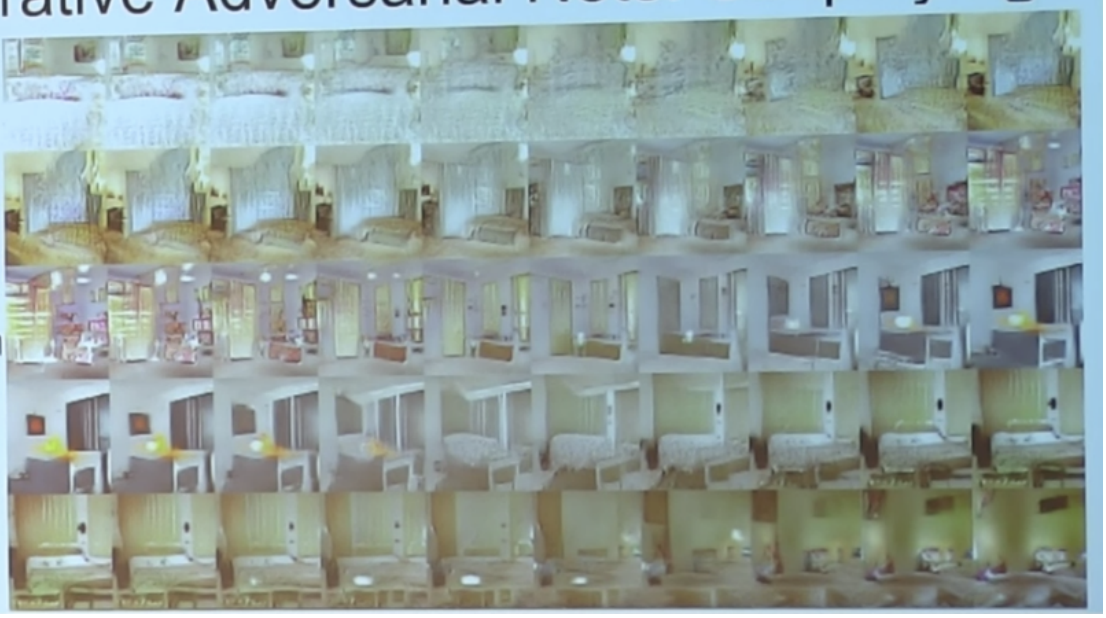
Generative Adversarial Nets: Simplifying



Radford et al, "Unsupervised Representation Learning with Deep Convolutional Generative Adversarial Networks", ICLR 2016

Generative Adversarial Nets: Simplifying

Interpolating between random points in laten space



Radford et al, ICLR 2016

Generative Adversarial Nets: Vector Math

Radford et al, ICLR 2016