Plan of Attack

What we will learn in this section:

- The Idea Behind GANs
- How Do GANs Work? (3 Steps)
- Applications

The Idea Behind GANs

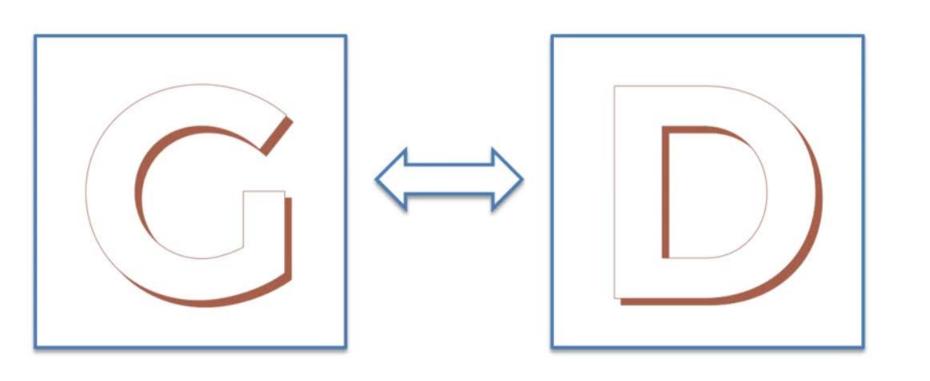
The Idea Behind GANs



Ian Goodfellow

Comment AUT To all and

Generative Adversarial Network?



Generative



Adversarial

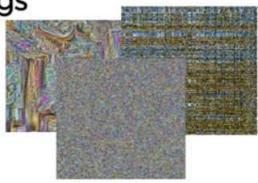




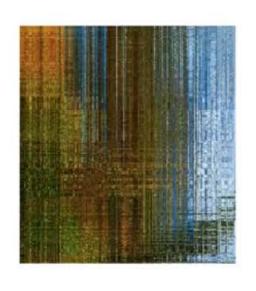


Non-Dogs





Adversarial



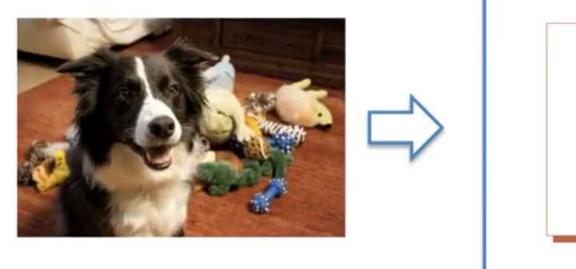


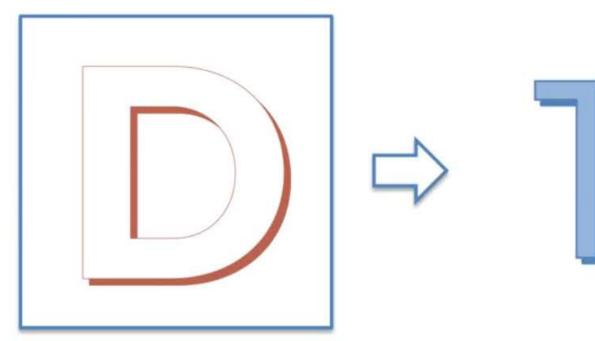


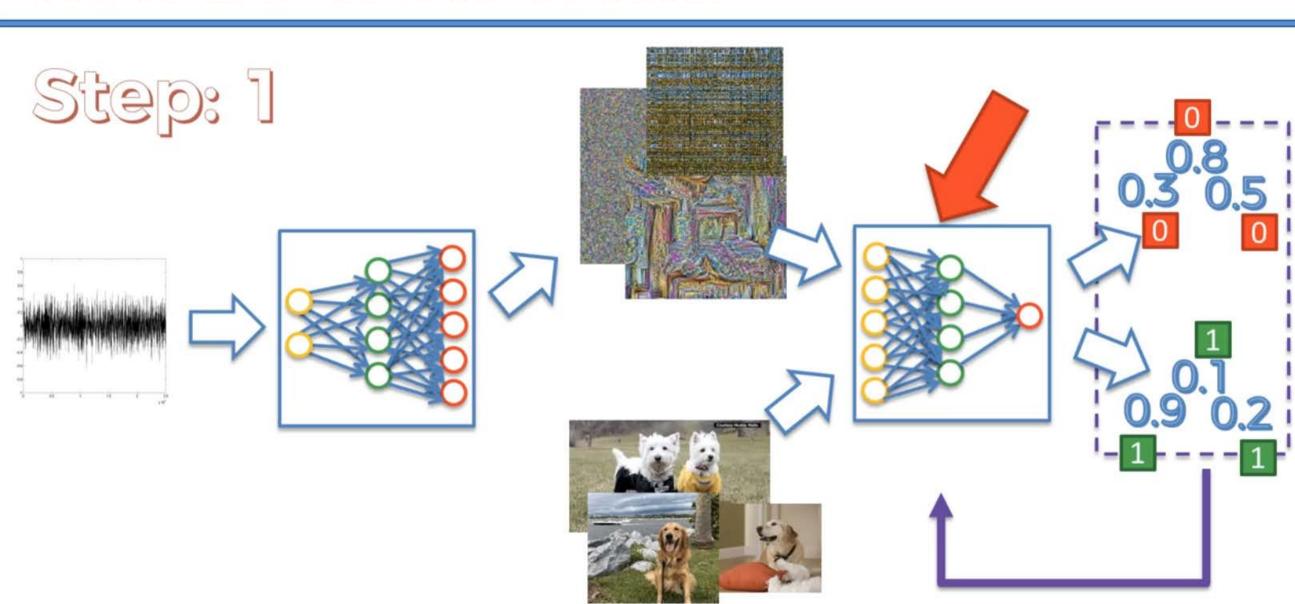


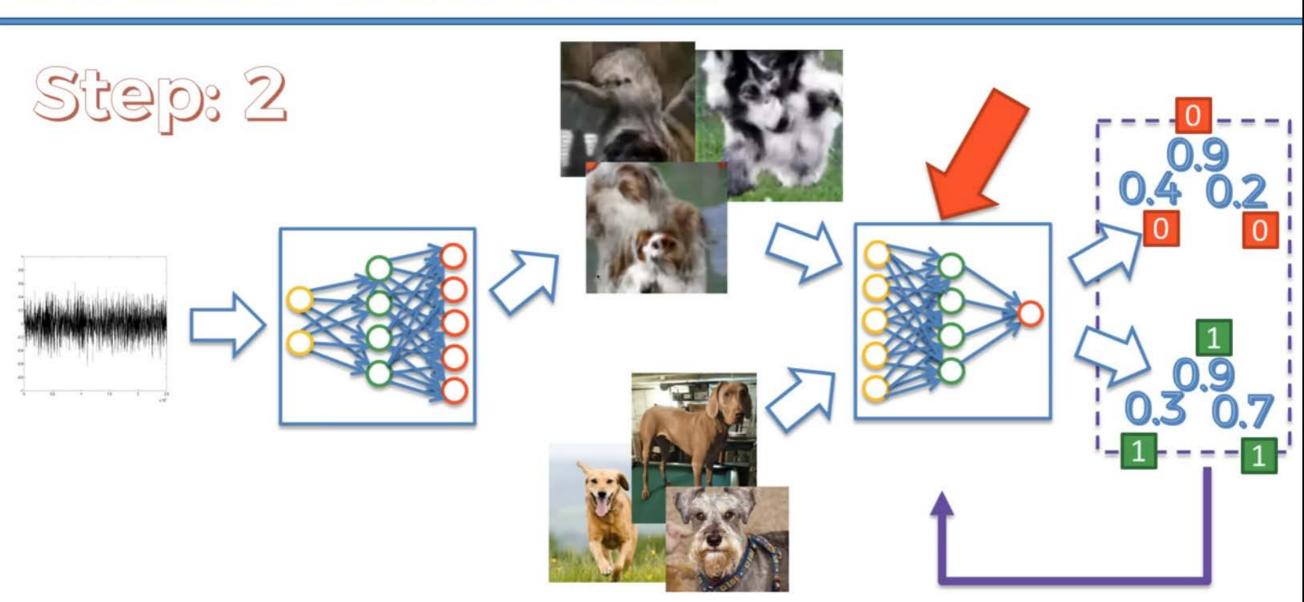


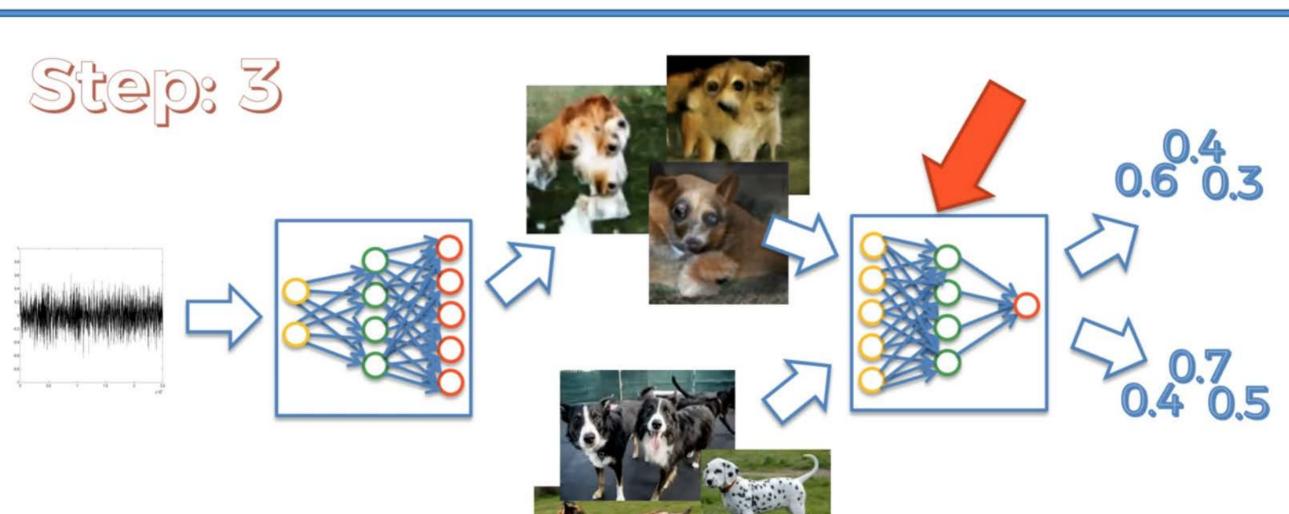
Adversarial





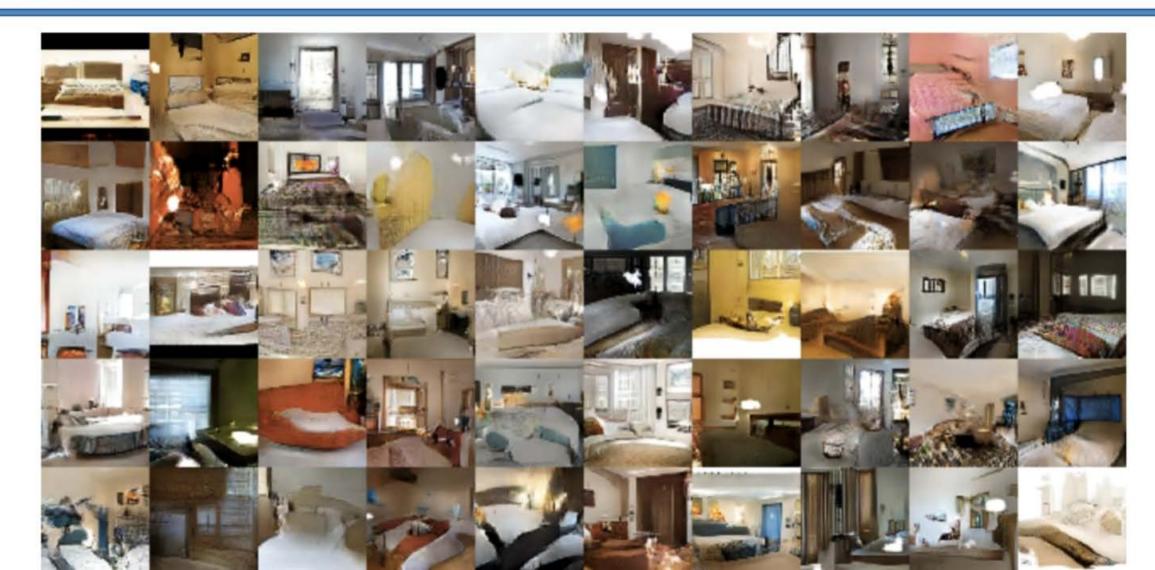






GANs can be used for:

- Generating Images
- Image Modification
- Super Resolution
- Assisting Artists
- Photo-Realistic Images
- Speech Generation
- Face Ageing



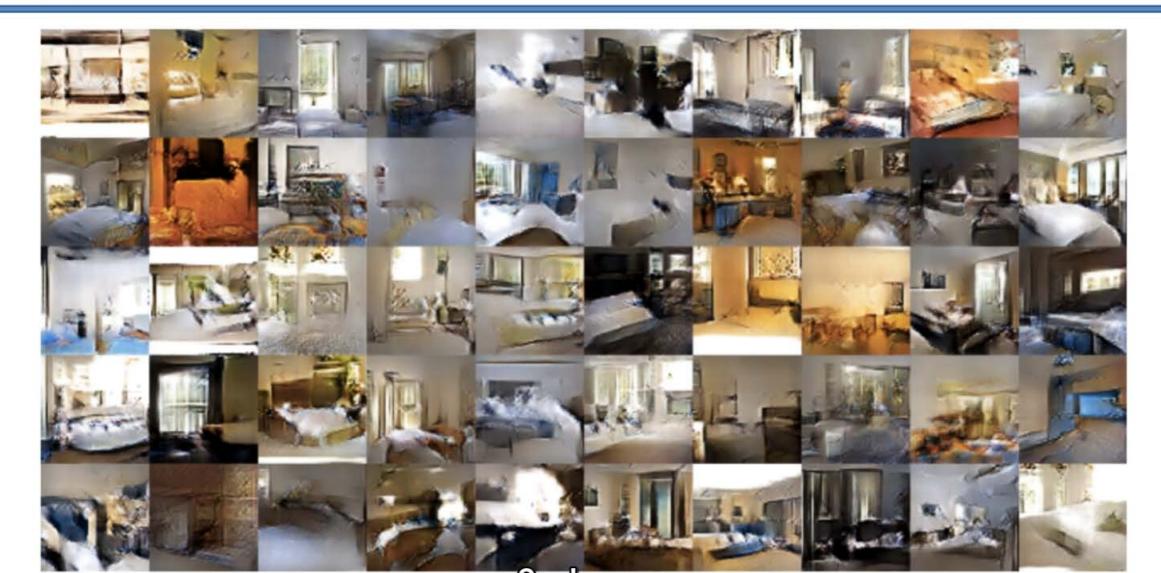
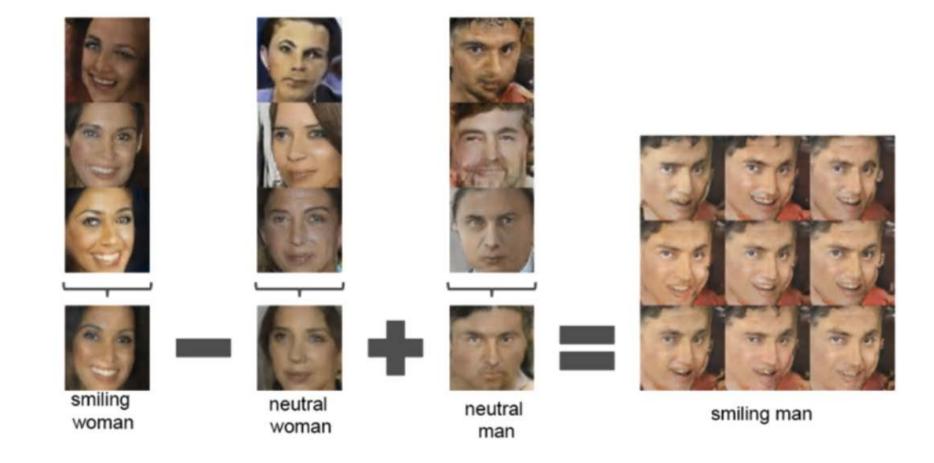
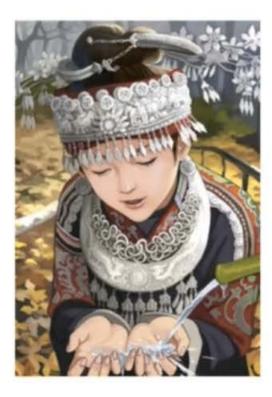


Image Modification

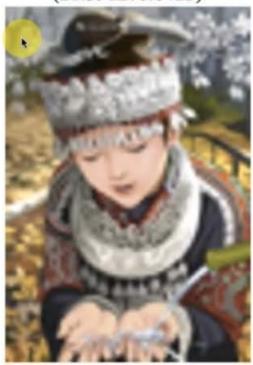


Super Resolution

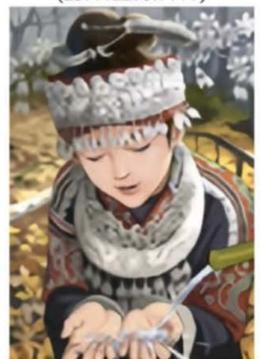
original



bicubic (21.59dB/0.6423)



SRResNet (23.44dB/0.7777)



SRGAN (20.34dB/0.6562)



Photo-Realistic Images

