

The Idea Behind GANs

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Ian Goodfellow

Source: MIT Technology Review

The Idea Behind GANs

G
A
N

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Generative
A
N

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Generative
Adversarial
N

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Generative
Adversarial
Network

This stands for generating new images that never was before.

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Computer Vision A-Z

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Generator

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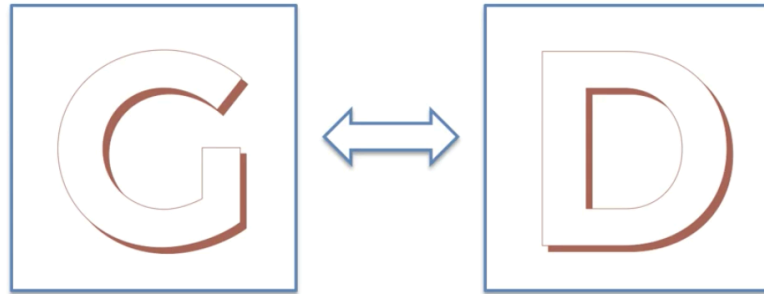


Computer Vision A-Z

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Discriminator

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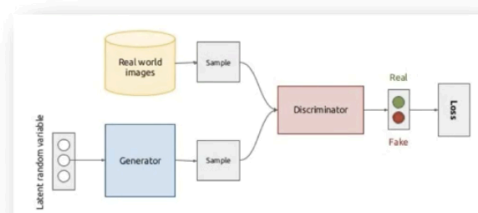
These two components are instantly in touch. Generator generates images (images that are similar to the real-world images to fool the generator) and then discriminator assesses those images and tells generator whether or not those images are similar to the what it seen or not (discriminator has the real image of the world). Note that none of these two are constant and during time they learn and change and adapt. At the end the network gets more robust.

Additional Reading

Additional Reading:

How do GANs intuitively work?

Chanchana Sornsoontorn (2017)



Link:

<https://hackernoon.com/how-do-gans-intuitively-work-2dda07f247a1>