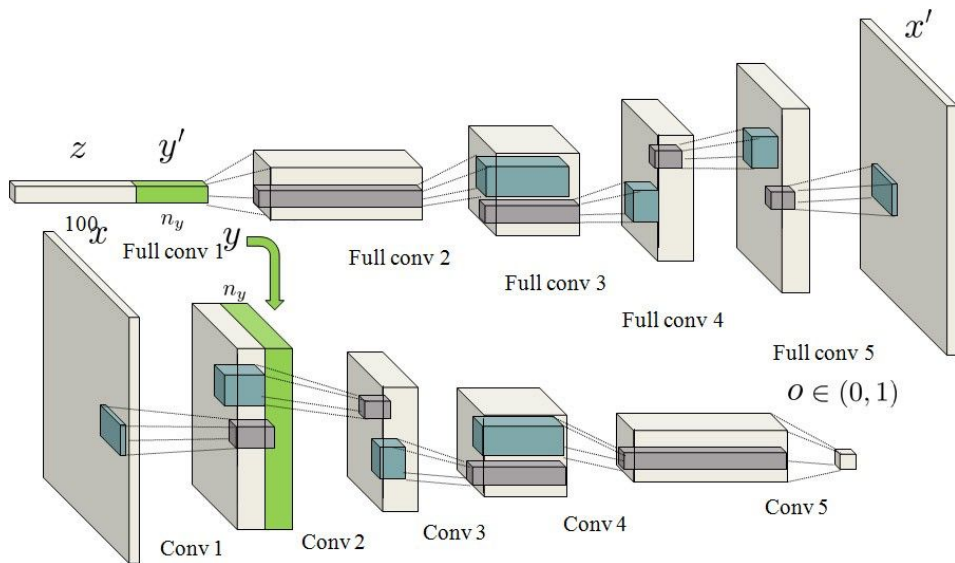


# Generating images using GAN

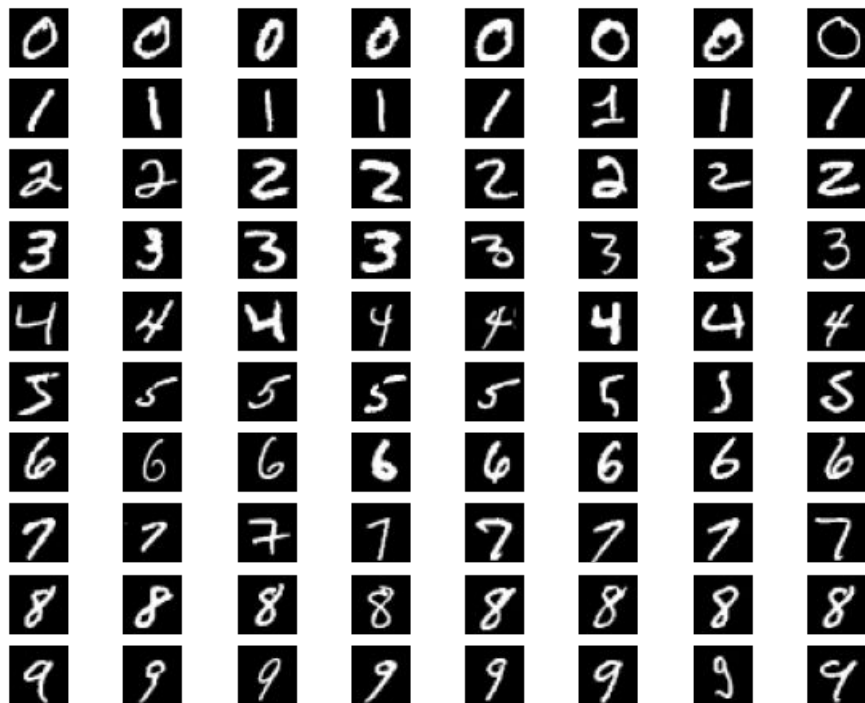
By Christopher Imantaka

# Deep Convolutional GAN

- Deep Convolutional networks
- Better performance with images
- Conditional DCGAN
  - Class information added to the input

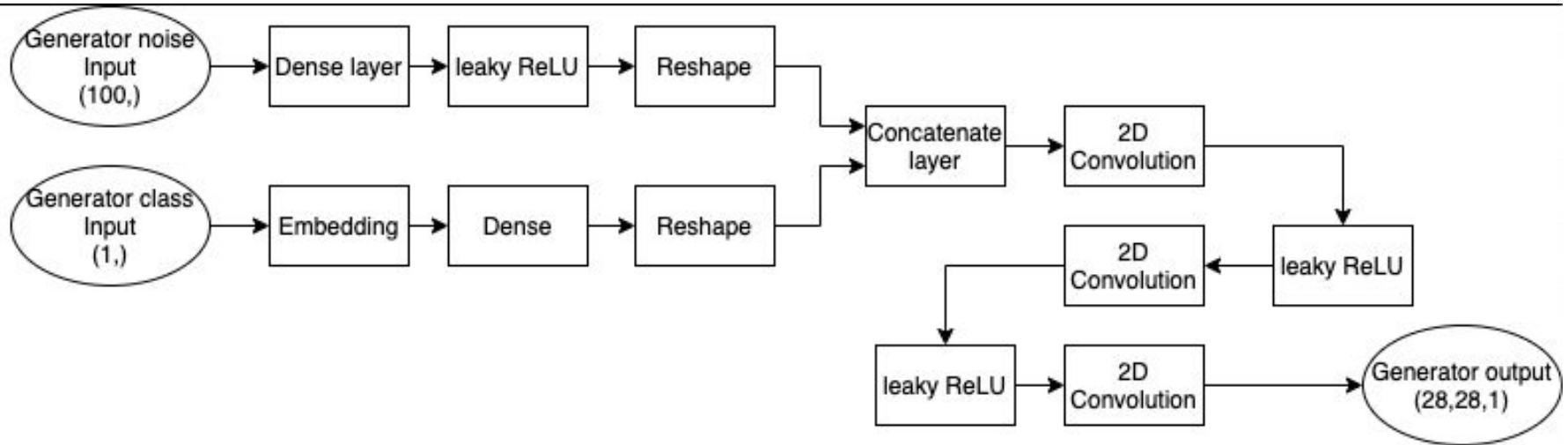


# Data set



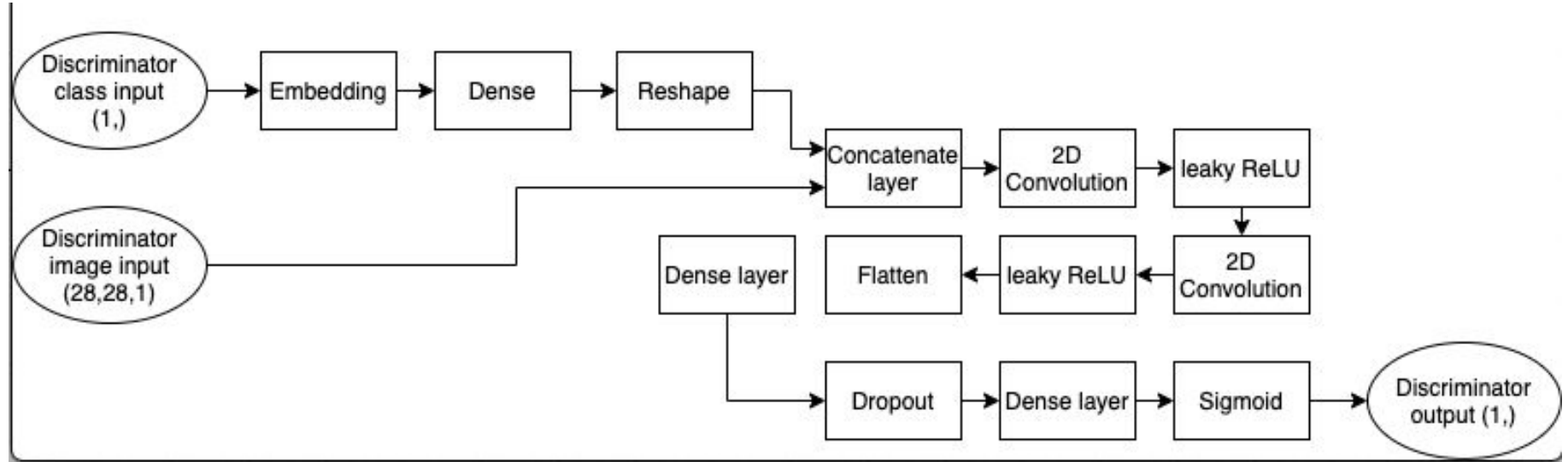
# Architecture of the implemented model

- Generator model



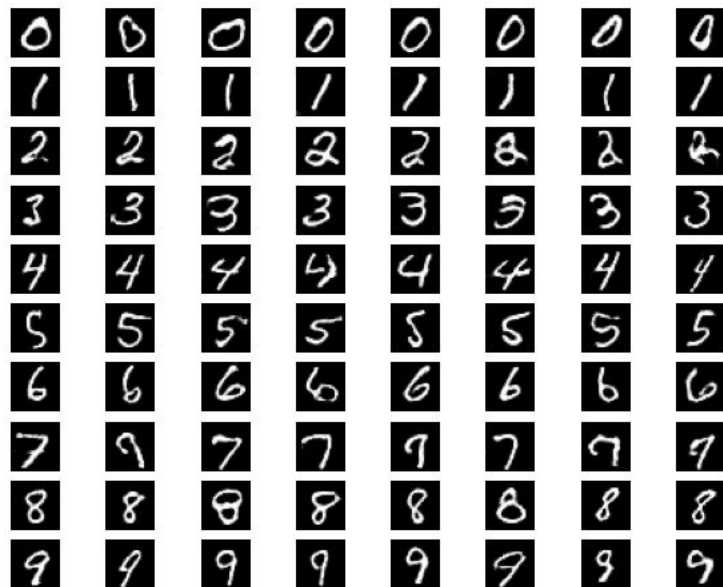
# Architecture of the implemented model

- Discriminator model

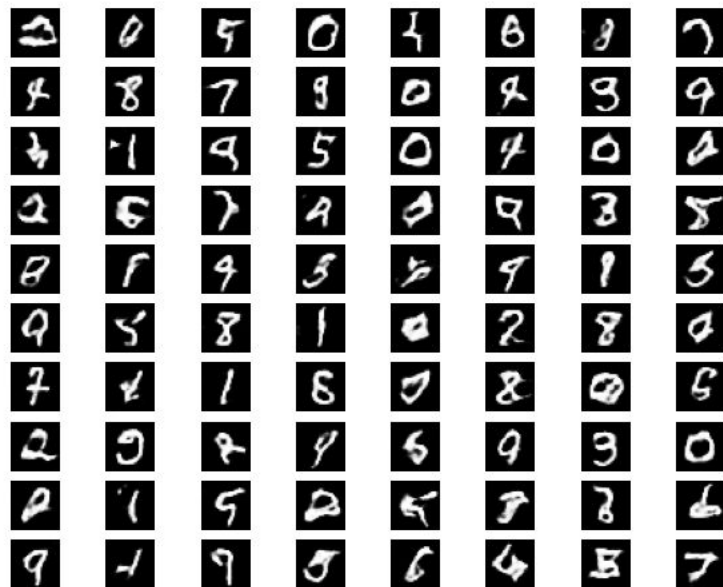


# Result

Conditional DCGAN

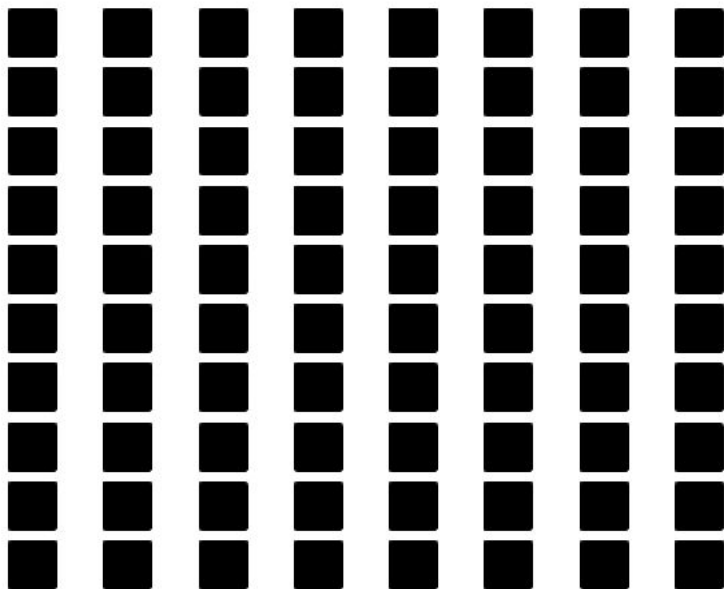


Vanilla DCGAN

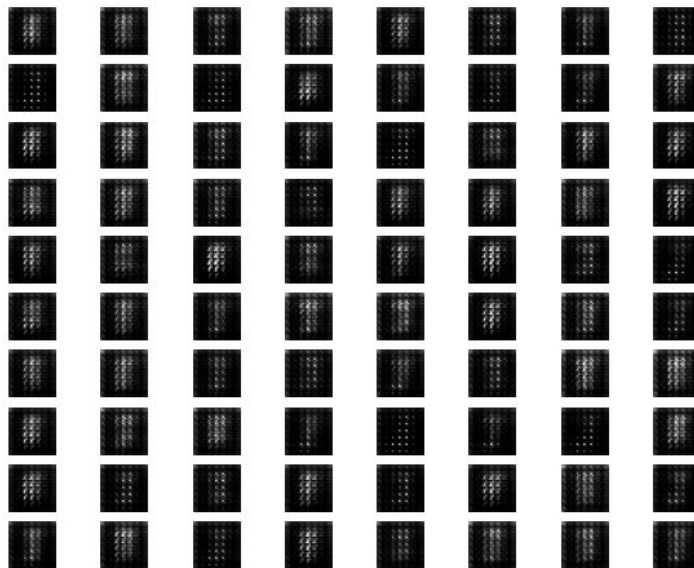


# Learning Speed

Conditional DCGAN



Vanilla DCGAN



# Another dataset

