

Cyclic Helper Generative Adversarial Networks

(CH-GAN)

WHY : Current architectures of Generative Adversarial Networks, during training, get accustomed to a particular data distribution, thereby providing results pertaining to certain features or a particular group of data distribution. So, the generated images are generally belonging to a particular type or having a particular characteristic in common.

HOW : Using multiple generators employed to help each other and improve the overall generated image quality. Also due to the "helping of generators", they share the feature mapping with each other, thereby not localising the generated images to a particular distribution or particular feature.

FEATURES :

- More diverse results are generated.
- New algorithm designed to help facilitate this method.
- Learn better feature representation in unsupervised environment.

STATUS : Algorithm is under implementation using Keras (Tensorflow).