**2017- Stabilizing training of generative adversarial networks through regularization**

Deep generative models based on GANs have demonstrated impressive sample quality but in order to work they require a careful choice of architecture, parameter initialization, and selection of hyper-parameters.

This is due to the non-overlapping support between the model distribution and the data distribution.

In this paper, they overcome this fundamental limitation and propose a new regularization approach with low computational cost that yields a stable GAN training procedure.

**Conclusion**: - Our main result is a simple yet effective modification of the standard training algorithm for GANs, turning them into reliable building blocks for deep learning that can essentially be trained indefinitely without collapse.