



An introduction to Generative Adversarial Networks (with code in TensorFlow)

8 mins read

There has been a large resurgence of interest in generative models recently (see [this blog post](#) by OpenAI for example). These are models that can learn to create data that is similar to data that we give them. The intuition behind this is that if we can get a model to write high-quality news articles for example, then it must have also learned a lot about news articles in general. Or in other words, the model should also have a good internal *representation* of news articles. We can then hopefully use this representation to help us with other related tasks, such as classifying news articles by topic.

Actually training models to create data like this is not easy, but in recent years a number of methods have started to work quite well. One such promising approach is using Generative Adversarial Networks (GANs). The prominent

deep learning researcher and director of AI research at Facebook, Yann LeCun, recently cited GANs as being one of the most important new developments in

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