What we have done:

1. Organize the code. — This code is very good
2. Data Preprocessing. — Done.
3. Build our problem and intuition

generate~~classify~~ different image belongs to similar classes?

conditional GANs. (class information can be fed into the model in various ways).

~~1~~. concatenating the 1-hot. ✓
~~2~~. Batch Normalization. by classes. Dumoulin.
~~3~~. (cosine similarity between features.)

a set of class embedding as additional evidence. —

Paper,
code. (architectures) " next work "
ⅱ.
easy implement. ✗

(Style options)

SA GAN,
conditional GAN { (SA-GAN)
{ BiGGAN with ②
StyleGAN

options of style GAN

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1. Design ~~the~~ Experiments.   Examples ←

— ① . Generate. (classes that are hard to distinguish) by the code
— ② . compare three Conditional GAN methods.
    { FID/IS, ; classification
    { generate ~~~~ classes that ar ...

BiGGAN
+ Style GAN

Baseline

③. Style GAN.

① Generate different classes of image. from [Conditional GAN] (

② Treat it as training data.

↓

Build a classification model.

↓

See the [results.]

Show some examples from different classes image.

↓ # parameter

① Show our generative image are "truely" from different classes.

② the complexity of different classification model. (Deep-neural-network DNNs-based model.

③ Apply this model to original data. testing the model performance. (further step)