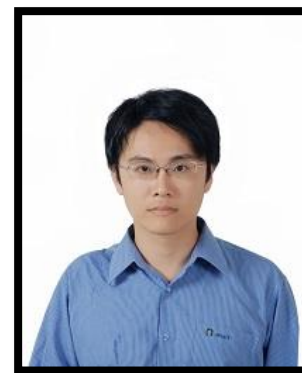
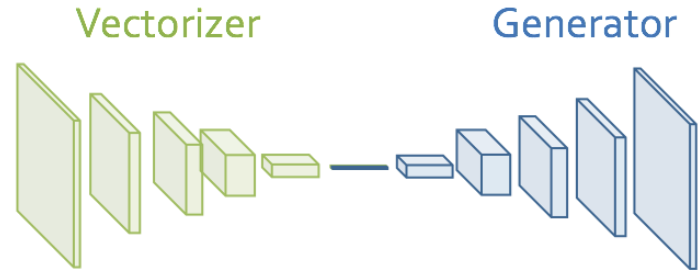


機械学習で美少女化～ あるいはNEW GAME!の世界

Source: <http://qiita.com/Hiking/items/8d36d9029ad1203aac55>



Introduction

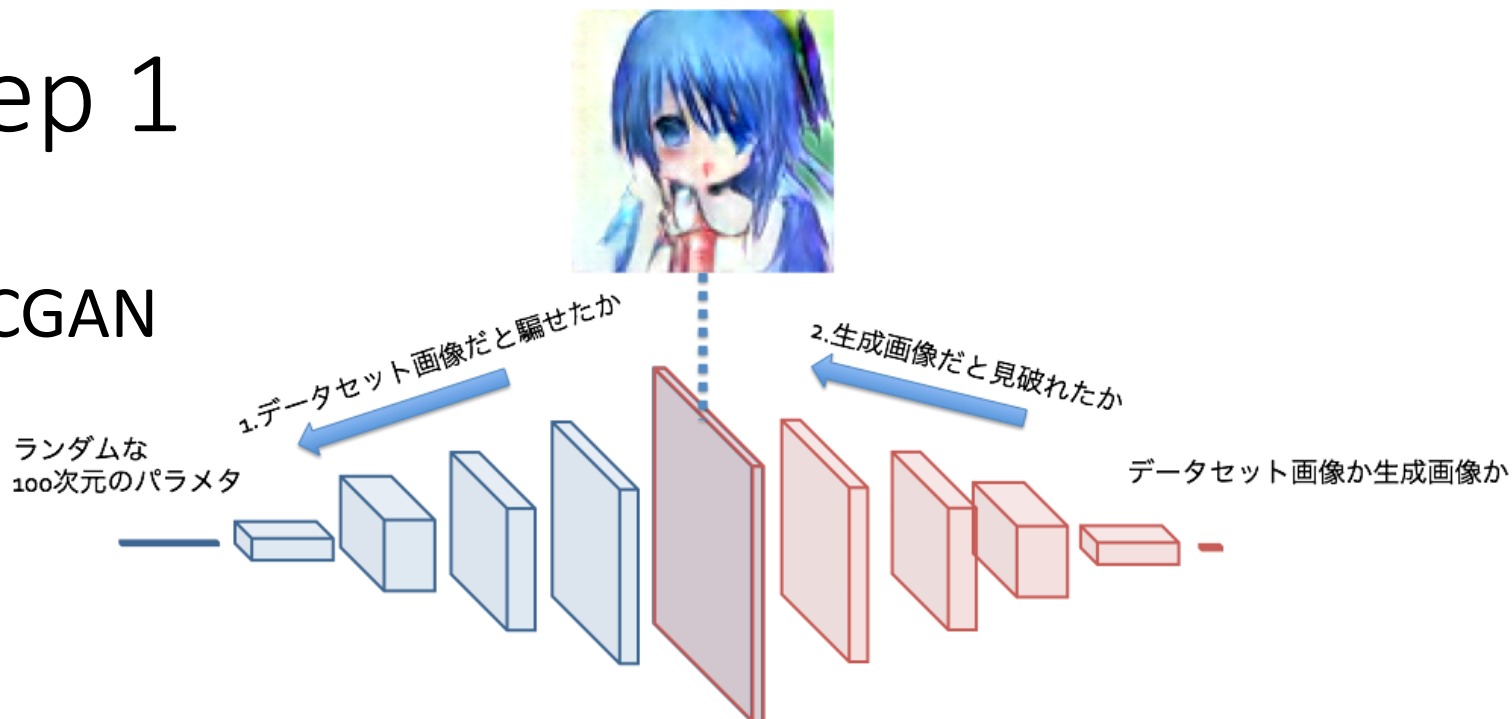


- An anime named **NEW GAME!**
 - Imagine everybody as anime characters
- Transfer real images to anime images
 - Without any paired data
- Every OTAKU's dream
 - from the blog
- Three steps



Step 1

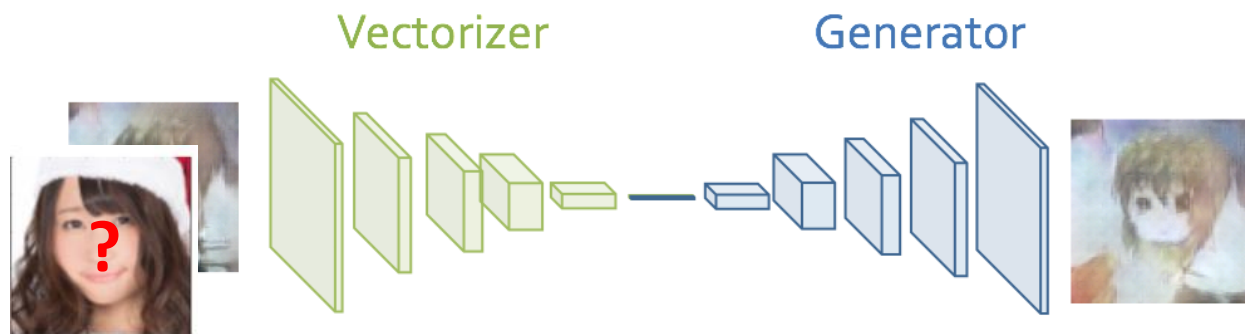
- DCGAN



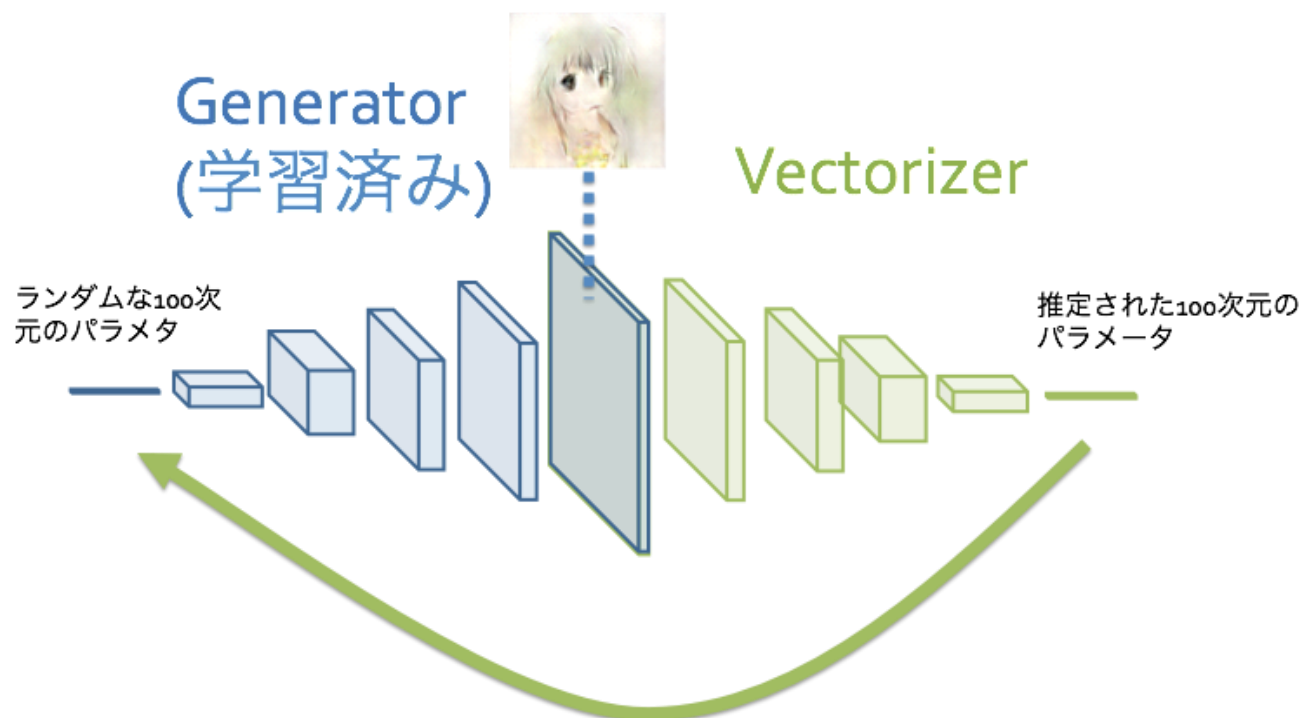
- Training Data:

- <https://nico-opendata.jp/en/index.html>

Step 2



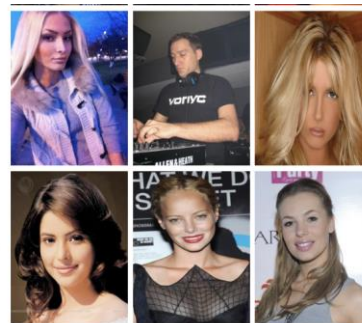
- Train an auto-encoder of code, image as bottleneck
 - Train vectorizer only



元のパラメタを復元できる, エンコード・デコードになるようにVectorizerを学習

Step 3

Pointy
Nose



Mustache



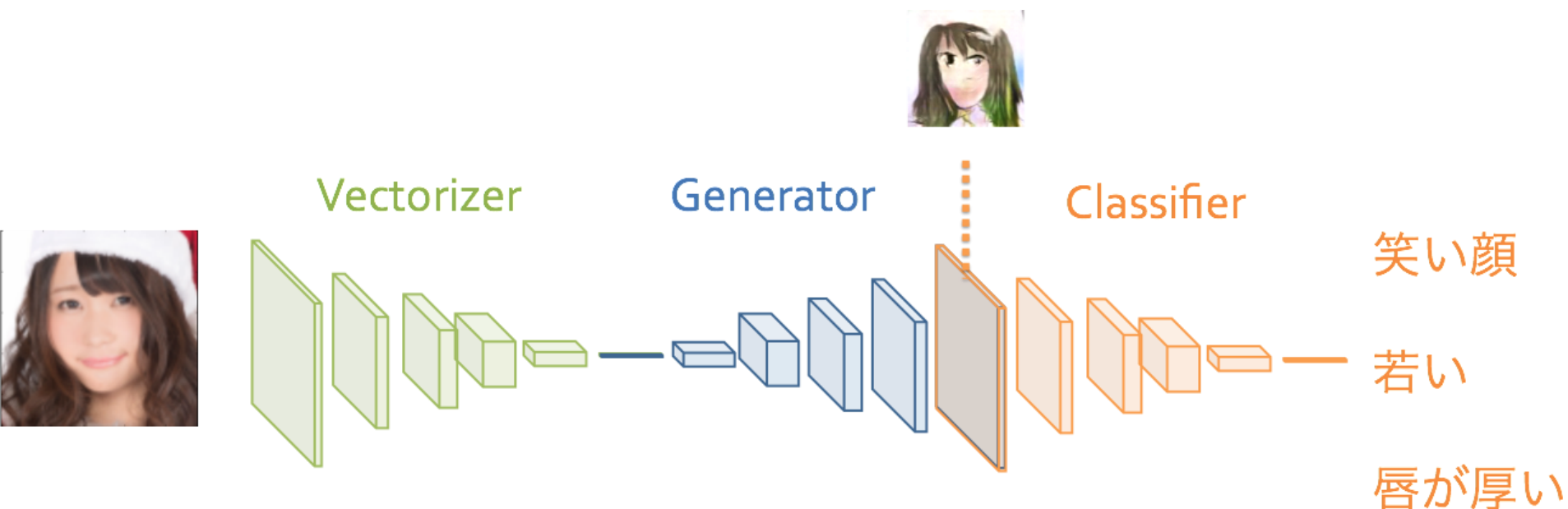
Oval Face



Smiling



- The input image of vectorizer (real) has the same attribute as generator output (anime)
- Jointly training (?)



Results

