

# ML2021Spring HW6 Report

<Mechanical Engineering> <陳志臻>

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AFD Score	FID Score
0.707	7314.487

The methods I used to pass the strong baselines include:

1. **Import:** ! git clone <https://github.com/lucidrains/stylegan2-pytorch.git>  
! pip install stylegan2\_pytorch
2. **Train:** ! stylegan2\_pytorch --data /content/faces --attn-layers 1 --image-size 64
3. **Generate:** !stylegan2\_pytorch --generate --num-generate 1000 --num-image-tiles 1  
--results\_dir /content/final\_images  
--load-from /content/models/used\_model/model\_40.pt

#### 4. Zip:

```
5. import os
6. from shutil import copy
7. # Save the generated images.
8.
9. path="/content/final_images_2/default/"
10. to_path = '/content/output/'
11. dirs=os.listdir(path)
12.
13. for file in dirs:
14.     if file[-6:]=="mr.jpg":
15.         from_path = os.path.join(path, file)
16.         copy(from_path,to_path)
17. # Compress the images.
18. %cd output
19. !tar -zcf ../images2.tgz *.jpg
20. %cd ..
```

#### Reference:

<https://github.com/lucidrains/stylegan2-pytorch.git>

<https://www.796t.com/article.php?id=169145>

(Your report should be written in English. Do not exceed 100 words describing your methods, but you may add comments to your code to make other students easier to understand.)