6/2 進度匯報

應名宥

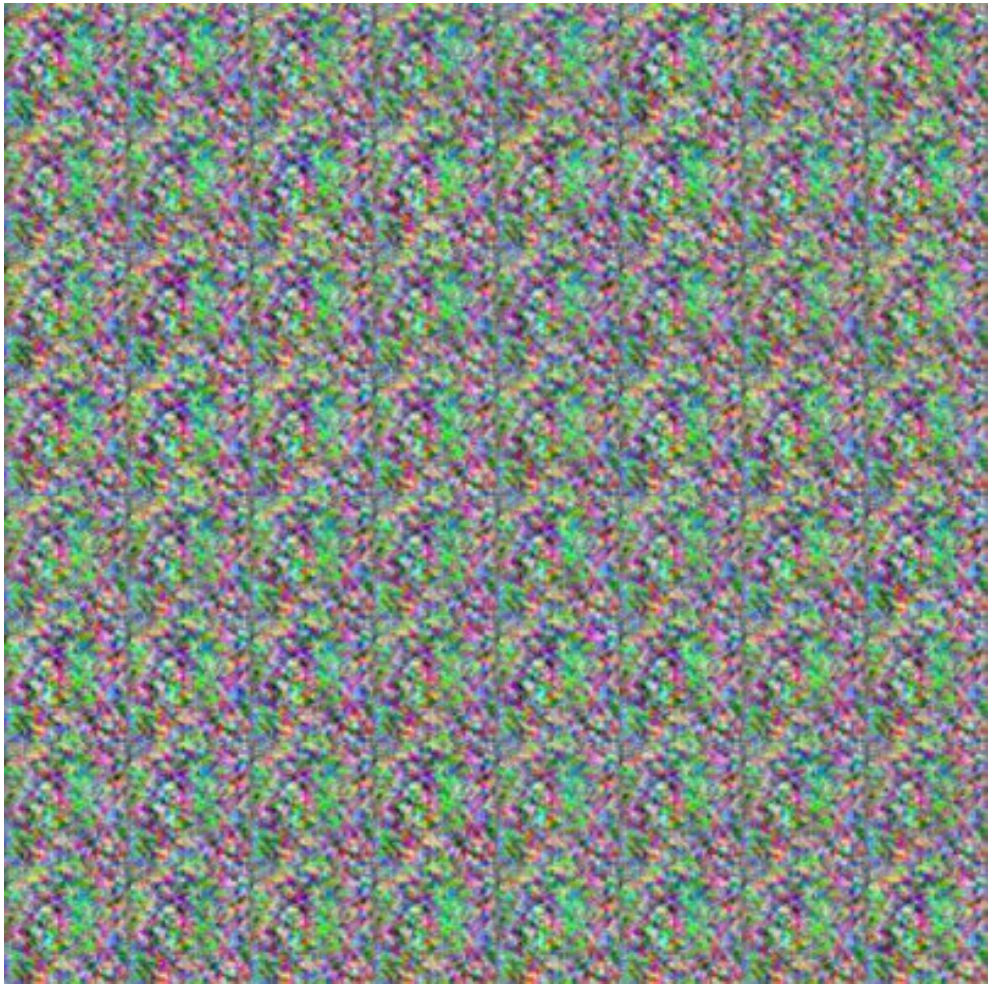
training result

5000 training data (normal 80000)
1% training step
config ADA

修改前

修改前

- 不同的 noise
- 不同的敘述

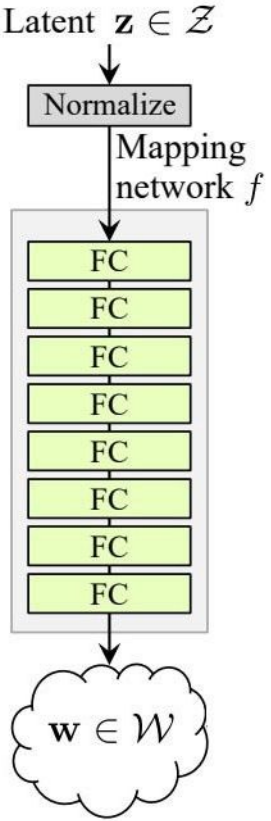


問題

- text feature 造成的影響太小，無法顯著的影響結果
- 經過一定訓練後，連noise都不太能影響結果，模式崩潰
- 限制網路中的神經元個數導致 discriminator 無法指引 generator，generator 也無法有效的修改。
- 使用資料太少，即使做了 ADA 針對小資料集做調整依然不夠。

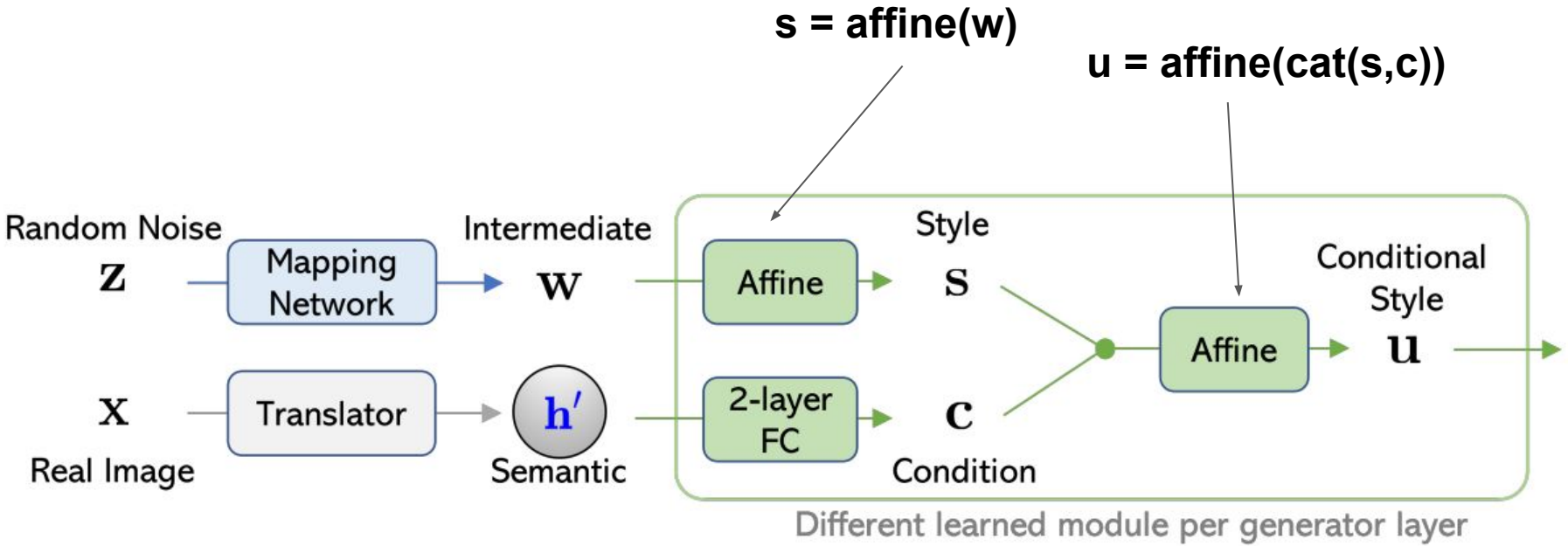
text feature mapping network

the traditional network, latent vectors directly pass into the block just after the normalization whereas in the StyleGAN network latent vectors after normalization pass through the mapping network (layer of 8 fully connected networks) then the outputs are transformed



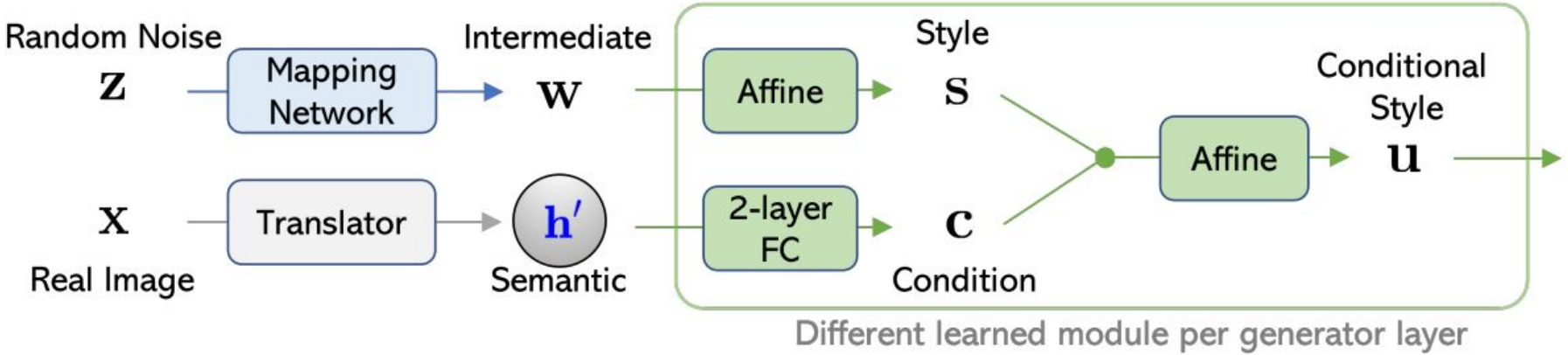
(b) Style-based generator

generator layer

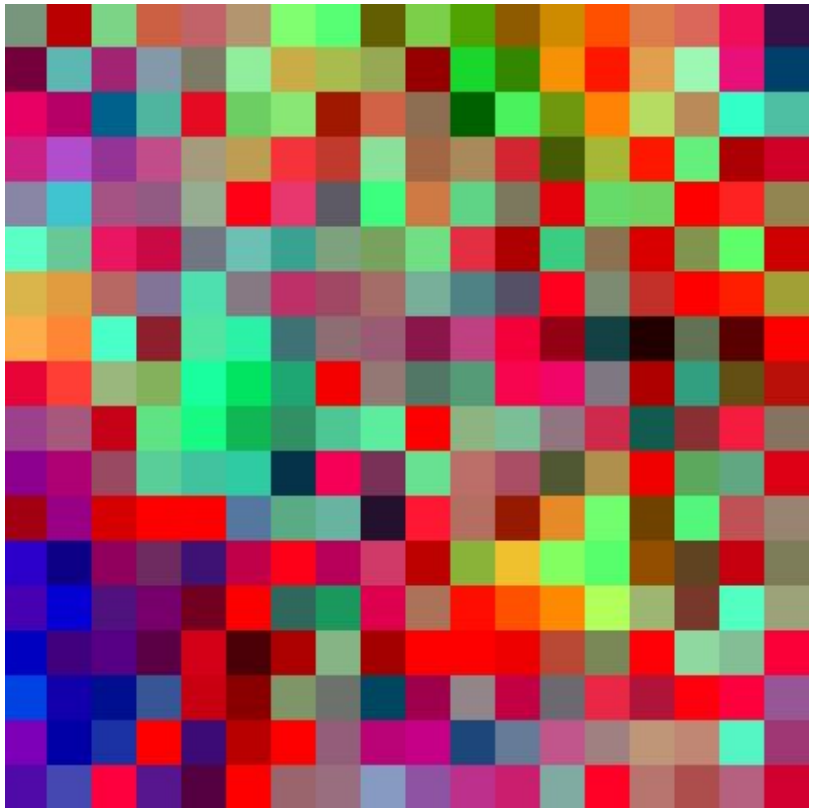


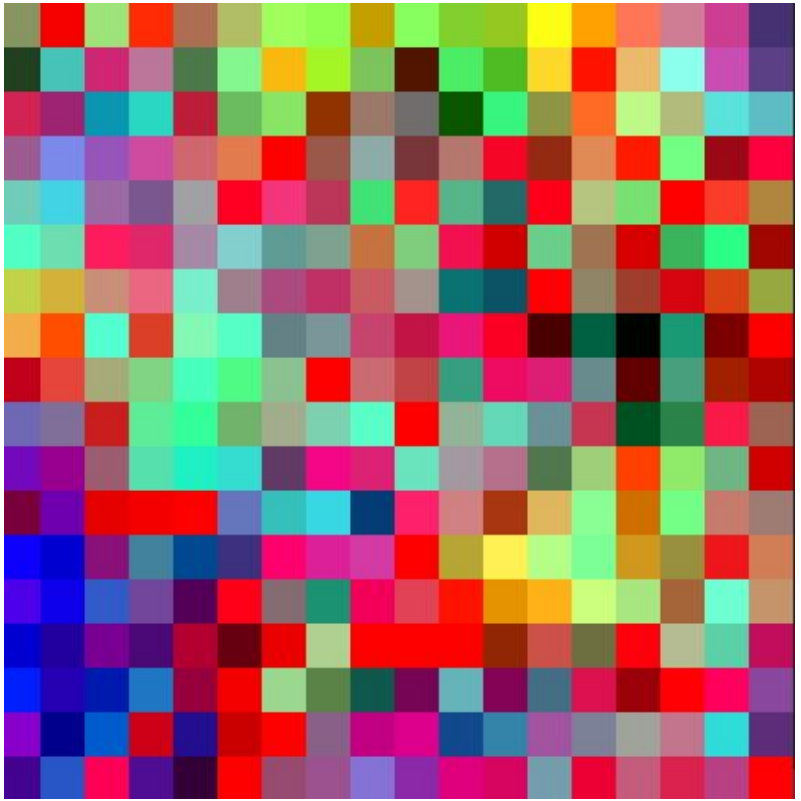
不同的實作

```
fts = self.pre_0(fts)
fts = self.pre_1(fts)
styles = self.affine_0(torch.cat([fts, w], dim=-1))
```



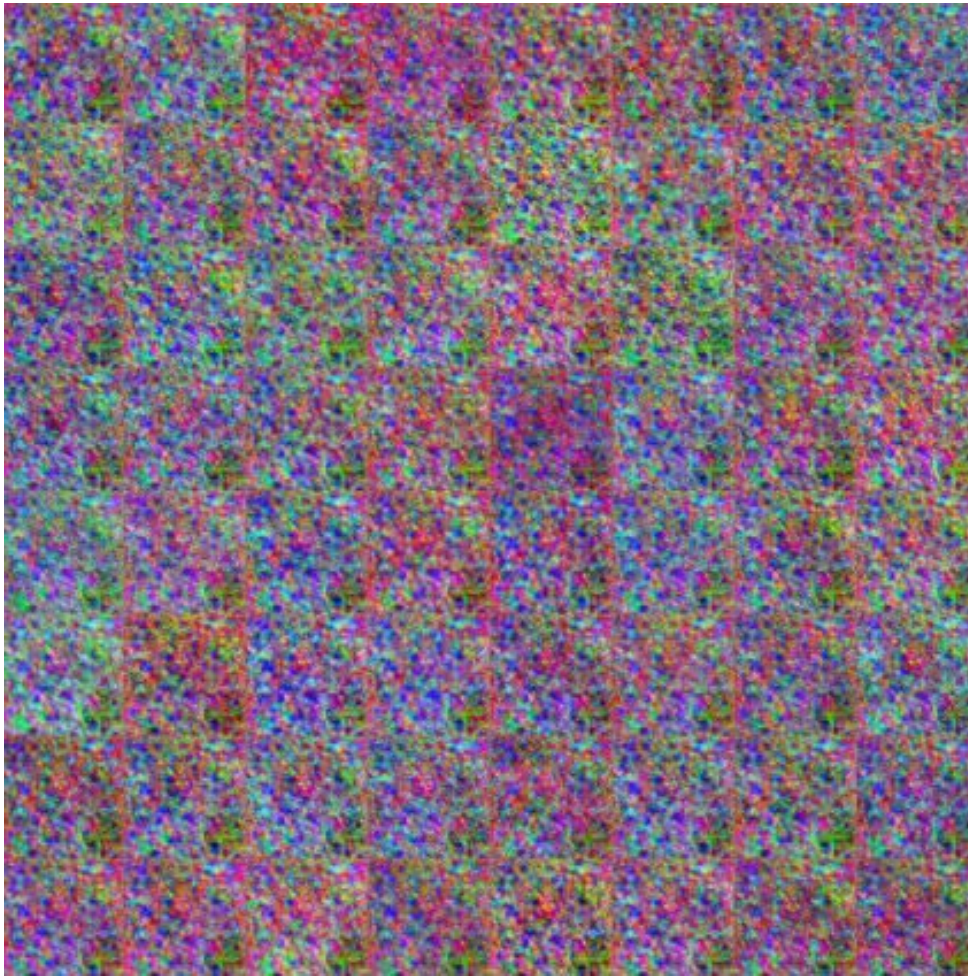
修改後





修改後

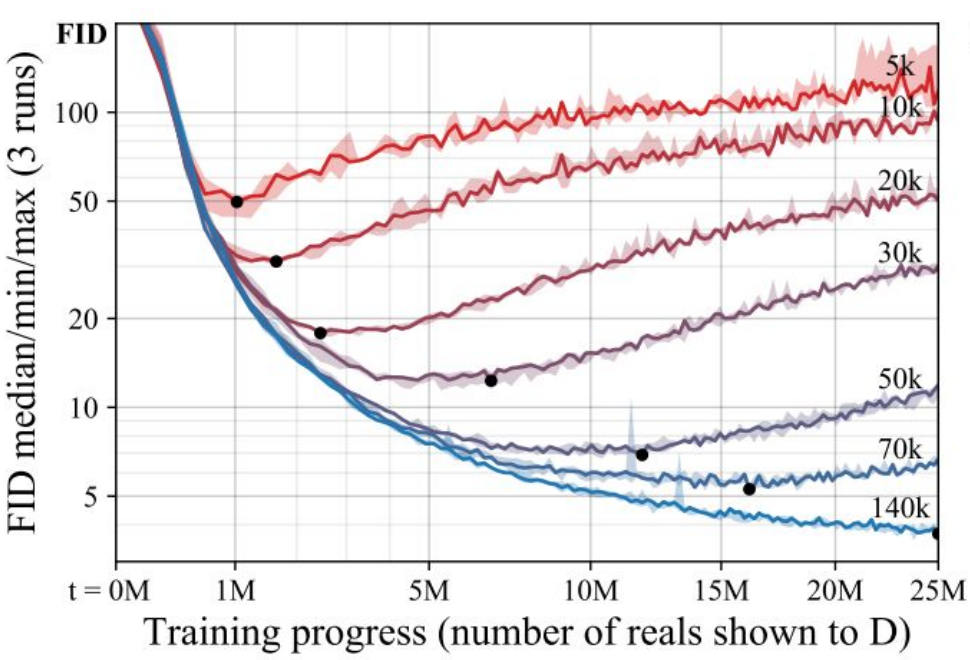
- 不同的 noise
- 不同的敘述

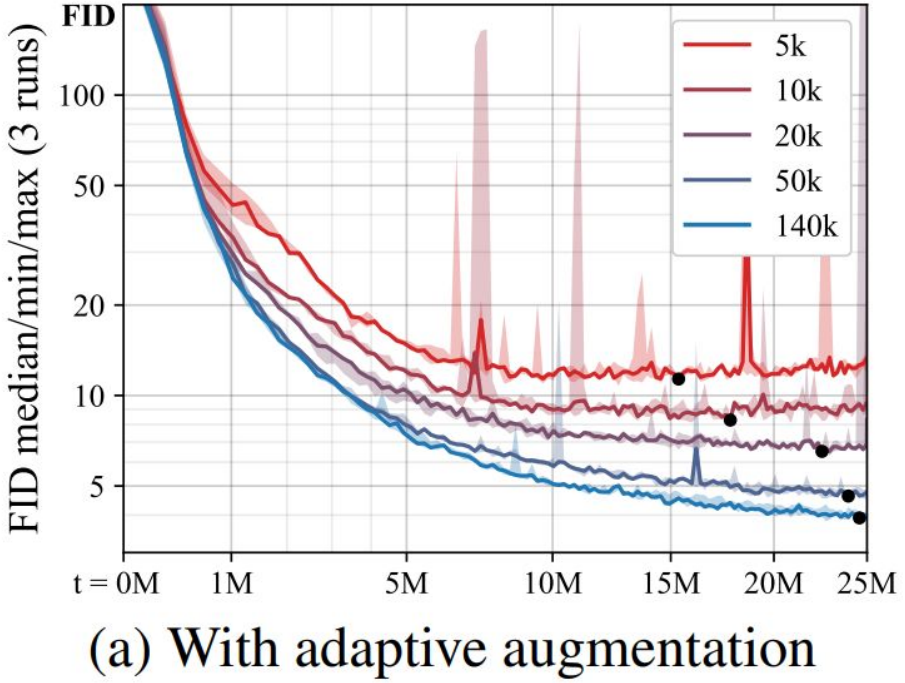


閱讀

- Style-GAN-2-ada (✓)
  - 運用少量資料達到好的成果
- Style-GAN-3 (✓)
  - 解決輪廓沾黏

Style-GAN-2-ada





(a) With adaptive augmentation

問題

- with 140k the situation was markedly different: all augmentations were harmful.