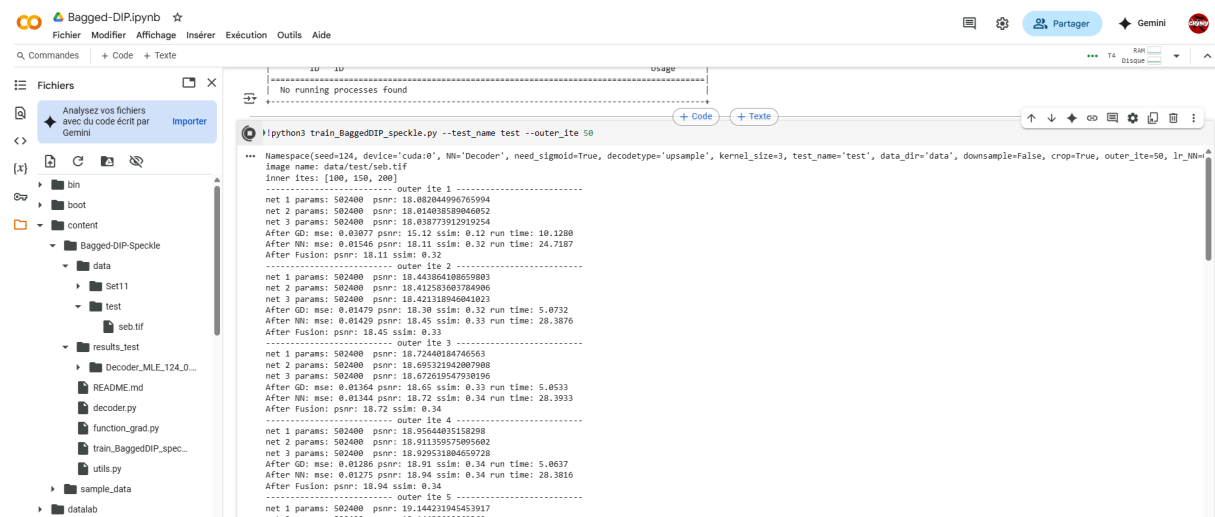


# LAmA

Basé sur le github : <https://github.com/advimman/lama>

Il y a un google collab à disposition :

[https://colab.research.google.com/drive/15KTEIScUbVZtUP6w2tCDMVpE-b1r9pkZ?usp=drive\\_link](https://colab.research.google.com/drive/15KTEIScUbVZtUP6w2tCDMVpE-b1r9pkZ?usp=drive_link)



```
usage:
=====
No running processes found
=====
+ Code + Texte
Python3 train_BaggedDIP_speckle.py --test_name test --outer_ite 50
*** Namespace(seed=124, device='cuda:0', NN='Decoder', need_sigmod=True, decodetype='upsample', kernel_size=3, test_name='test', data_dir='data', downsample=False, crop=True, outer_ite=50, lr_NN=
image name: data/test/seb.tif
inner ites: [100, 150, 200]
===== outer_ite 1 =====
net 1 params: 502400 psnr: 18.802044996765994
net 2 params: 502400 psnr: 18.01403059046952
net 3 params: 502400 psnr: 18.030773912919254
After GD: mse: 0.03077 psnr: 15.12 ssim: 0.12 run time: 10.1200
After NN: mse: 0.01546 psnr: 18.11 ssim: 0.32 run time: 24.7187
After Fusion: psnr: 18.11 ssim: 0.32
===== outer_ite 2 =====
net 1 params: 502400 psnr: 18.443864108059083
net 2 params: 502400 psnr: 18.412551683794086
net 3 params: 502400 psnr: 18.421318946041023
After GD: mse: 0.01479 psnr: 18.30 ssim: 0.32 run time: 5.0732
After NN: mse: 0.01429 psnr: 18.45 ssim: 0.33 run time: 28.3076
After Fusion: psnr: 18.45 ssim: 0.33
===== outer_ite 3 =====
net 1 params: 502400 psnr: 18.72440184746563
net 2 params: 502400 psnr: 18.695321942007908
net 3 params: 502400 psnr: 18.672619547930196
After GD: mse: 0.01364 psnr: 18.65 ssim: 0.33 run time: 5.0533
After NN: mse: 0.01344 psnr: 18.72 ssim: 0.34 run time: 28.3933
After Fusion: psnr: 18.72 ssim: 0.34
===== outer_ite 4 =====
net 1 params: 502400 psnr: 18.9564403158298
net 2 params: 502400 psnr: 18.911359575895602
net 3 params: 502400 psnr: 18.929531804659728
After GD: mse: 0.01286 psnr: 18.91 ssim: 0.34 run time: 5.0637
After NN: mse: 0.01275 psnr: 18.94 ssim: 0.34 run time: 28.3816
After Fusion: psnr: 18.94 ssim: 0.34
===== outer_ite 5 =====
net 1 params: 502400 psnr: 19.144231945453917
net 2 params: 502400 psnr: 19.14438698862369
```

Cependant une fois arrivé à la création interactive du masque, il y a un problème au niveau du rendu, je n'ai pas réussi à le fixer, il semble qu'il y ai un problème de library ? Peut-être vont-ils se pencher dessus ou j'ai mal compris le fonctionnement, dans tous les cas, cela semble fonctionner sauf pour la dernière étape.