

automobile

August 12, 2022

1 FMD

```
[ ]: from FMD_old import FMD as FMD_old

fmd_old = FMD_old("/Volumes/My Passport_ssd_sg3/data_sets/cifar10/automobile")

[ ]: fmd_old.fit()
```

2

```
[ ]: fmd_old.eval()
```

3 FMD

```
[ ]: # fmd_old.show_data_infos()

[ ]: # fmd_old.show_FM_repres()

[ ]: fmd_old.show_AMs_and_related()

self.alpha_slice
[100, 100, 100, 100, 100, 100]
self.alpha_min
[0.00000000e+00 0.00000000e+00 0.00000000e+00 6.55904065e-08
 0.00000000e+00 0.00000000e+00]
self.alpha
[0.01314926 0.02198806 0.02168306 0.04857435 0.01475052 0.05128674]
self.alpha_max
[0.14610286 0.36646769 0.14455372 0.44158451 0.16389467 0.56985265]
self.r_minus_w_max
[273. 205. 264. 295. 370. 432.]
self.DAM_select
['and', 'and', 'and', 'and', 'and', 'and']

[ ]: # fmd_old.show_dirs()
```

```
[ ]: # fmd_old.show_layer_infos()
```

```
[ ]: # fmd_old.show_eval_infos()
```

```
[ ]: # fmd_old.show_fmfs_box_plot()
```

```
[ ]: # fmd_old.show_fmfc()
```

4 fmd-

```
[ ]: # fmd_old.show_fmd_right_ratio_graph()
```

5

```
[ ]: # fmd_old.set_CM_infos()
```

```
[ ]: # fmd_old.show_eval_venn_diagrams()
```

```
[ ]: # fmd_old.show_efficiency_and_FMD_ratio()
```

```
[ ]: # show_all_mask = {'show_dirs': True,  
    # 'show_data_infos': True,  
    # 'show_hyper_parameter': True,  
    # 'show_FM_repres': True,  
    # 'show_AMs_and_related': True,  
    # 'show_layer_infos': True,  
    # 'show_fmfs_box_plot': True,  
    # 'show_fmfc': True,  
    # 'show_eval_infos': True,  
    # 'show_fmd_right_ratio_graph': True,  
    # 'show_eval_venn_diagrams': True,  
    # 'show_efficiency_and_FMD_ratio': True,}  
# fmd_old.show_all(show_all_mask)
```