

# frog

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/frog")

[ ]: 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. 0. 0. 0. 0. 0.]
self.alpha
[0.01771702 0.0206313 0.0113341 0.03509723 0.00424718 0.07506163]
self.alpha_max
[0.1476418 0.4126259 0.16191567 0.50138893 0.14157277 0.57739715]
self.r_minus_w_max
[413. 279. 385. 354. 387. 476.]
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)
```