**1. Built ViT model(customized) and Trained ViT with Cifar 10**

**(Why normalize mean=[0.485, 0.456, 0.406], std=[0.229, 0.224, 0.225]??)**

**Q. Clipped\_Adv has value out of [0,1] but original \_adv is in [0,1]. Something wrong here?**

ex. Clipped\_Adv: [ 0.5029, 0.4851, 0.0167, ..., -1.1999, -1.1302, -0.9559]

**Q1. Foolbox issue (Using own custom dataset ) - ImageNet**

**– Debugged and changed Code for Custom (100 testdata)**

**(Built on EagerPY) 1) EagerPy -> numpy 2) Numpy -> FloatTensor) 500**

**Next step -> Test with a bigger ImageNet Valid-Dataset, other attacks with Gpu Server**

**Q2. Using different pre-trained ViT models**

**=> Understanding different ViT architecture is a key**

**2-1. Foolbox**: **Accuracy is 0 for Dino(self-supervised models) :**

**Try to understand why**

**2-2 Visualize(Attention) - Dino model**

**Peter**

[**Rollout for different ViT models · Issue #13 · jacobgil/vit-explain (github.com)**](https://github.com/jacobgil/vit-explain/issues/13)

# result = torch.matmul(a, result) # 64x64 and 197x197

# RuntimeError: mat1 and mat2 shapes cannot be multiplied (64x64 and 197x197)

**Q3.**

**FGSM: DeiT> ViT> EfficientNet**

**PGD: EfficientNet > ViT > DeiT**

**epsilons = [0, 0.1/255, 0.3/255, 1/255, 4/255]**

**Use SwinsTransformer~~~**