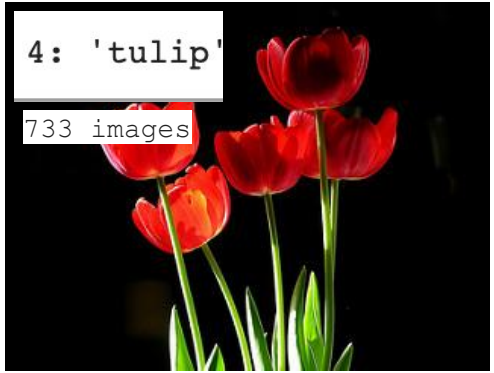


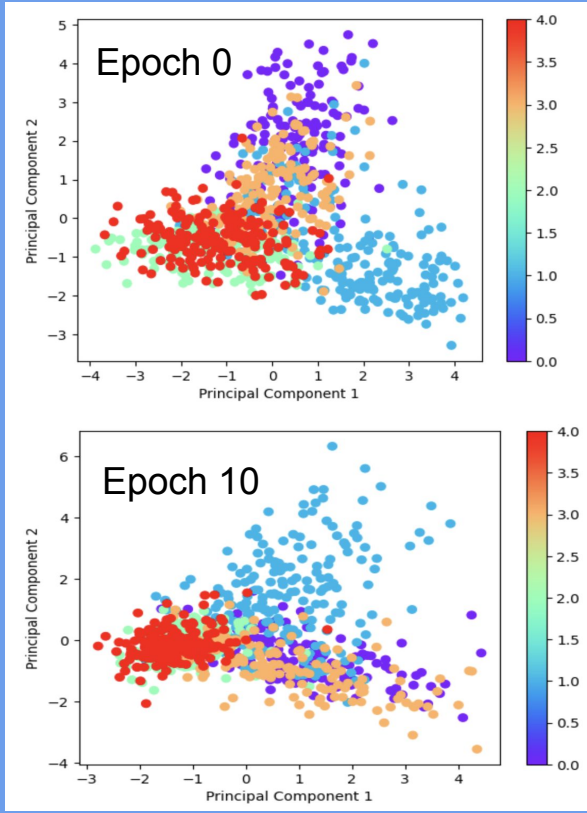
PSET 1

Ariel Fuchs

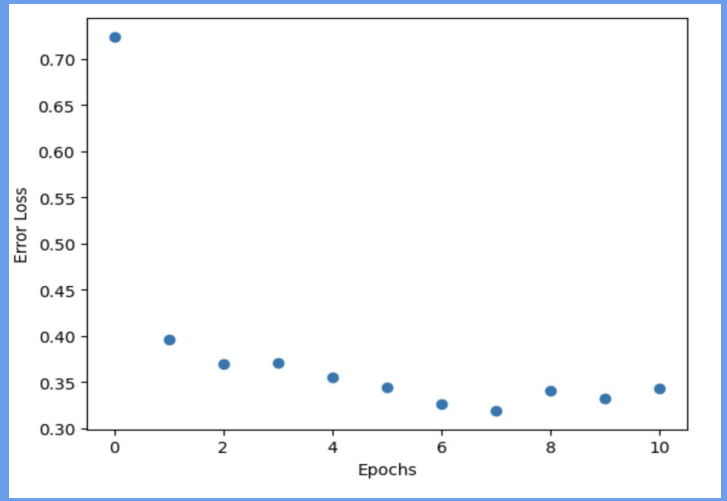
80/20 training testing split
Pretrained resnet50

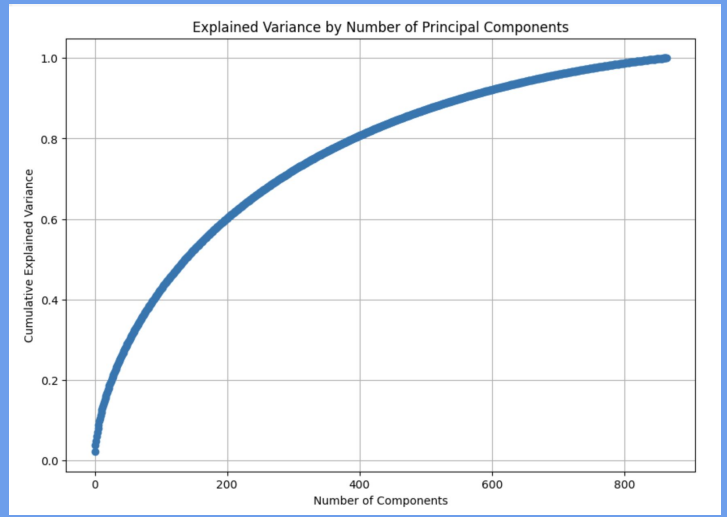
https://www.kaggle.com/datasets/alxmamaev/flowers-recognition/data

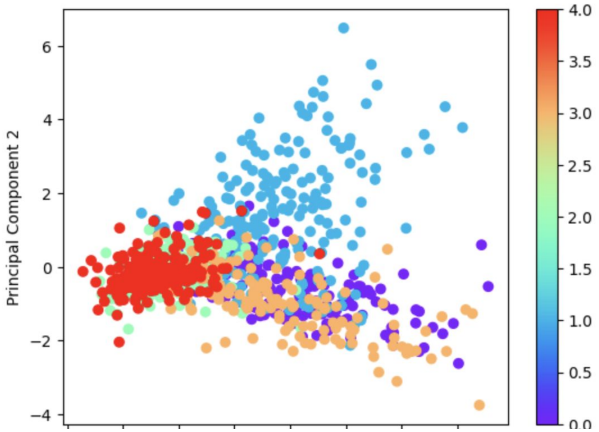
Dynamics + Optimization

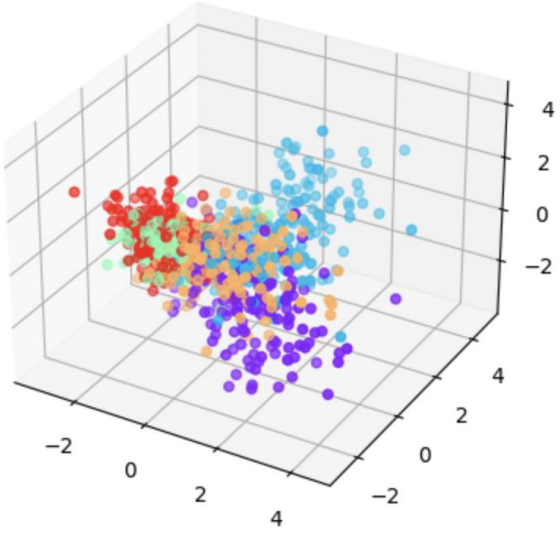



```
Epoch 0/0, Loss: 0.7833
Epoch 0/9, Loss: 0.3963
Epoch 1/9, Loss: 0.3700
Epoch 2/9, Loss: 0.3709
Epoch 3/9, Loss: 0.3553
Epoch 4/9, Loss: 0.3442
Epoch 5/9, Loss: 0.3261
Epoch 6/9, Loss: 0.3193
Epoch 7/9, Loss: 0.3407
Epoch 8/9, Loss: 0.3328
Epoch 9/9, Loss: 0.3432
```









Reasons for overlap include lots of overlapping similarity and diversity within species.