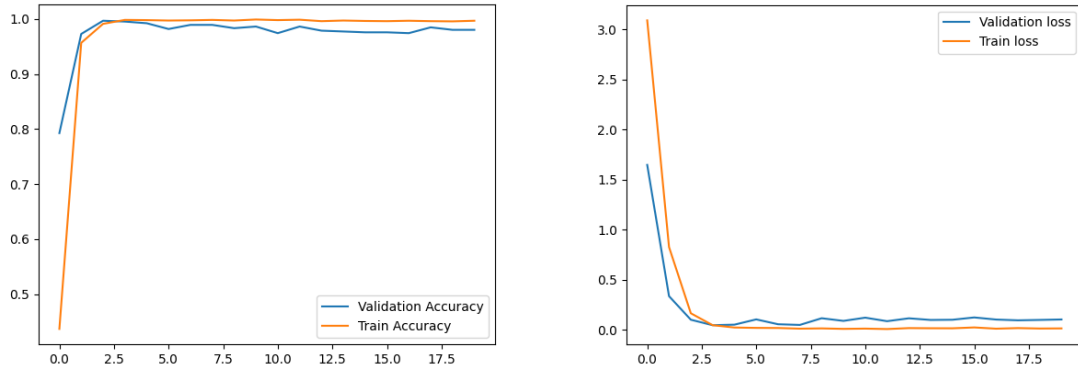# 이미지 분류 과제

허재호

Train Output

```
Epoch [1/20], Train Loss : 3.0886, Train Acc : 0.4369, Val Loss : 1.6460, Val
Acc : 0.7928
Epoch [2/20], Train Loss : 0.8262, Train Acc : 0.9568, Val Loss : 0.3360, Val
Acc : 0.9730
Epoch [3/20], Train Loss : 0.1652, Train Acc : 0.9914, Val Loss : 0.1009, Val
Acc : 0.9970
Epoch [4/20], Train Loss : 0.0463, Train Acc : 0.9985, Val Loss : 0.0459, Val
Acc : 0.9955
Epoch [5/20], Train Loss : 0.0230, Train Acc : 0.9981, Val Loss : 0.0514, Val
Acc : 0.9925
Epoch [6/20], Train Loss : 0.0193, Train Acc : 0.9974, Val Loss : 0.1041, Val
Acc : 0.9820
Epoch [7/20], Train Loss : 0.0181, Train Acc : 0.9977, Val Loss : 0.0556, Val
Acc : 0.9895
Epoch [8/20], Train Loss : 0.0117, Train Acc : 0.9985, Val Loss : 0.0488, Val
Acc : 0.9895
Epoch [9/20], Train Loss : 0.0143, Train Acc : 0.9974, Val Loss : 0.1156, Val
Acc : 0.9835
Epoch [10/20], Train Loss : 0.0095, Train Acc : 0.9992, Val Loss : 0.0892, Val
Acc : 0.9865
Epoch [11/20], Train Loss : 0.0121, Train Acc : 0.9981, Val Loss : 0.1213, Val
Acc : 0.9745
Epoch [12/20], Train Loss : 0.0076, Train Acc : 0.9989, Val Loss : 0.0861, Val
Acc : 0.9865
Epoch [13/20], Train Loss : 0.0171, Train Acc : 0.9962, Val Loss : 0.1149, Val
Acc : 0.9790
Epoch [14/20], Train Loss : 0.0157, Train Acc : 0.9974, Val Loss : 0.0985, Val
Acc : 0.9775
Epoch [15/20], Train Loss : 0.0151, Train Acc : 0.9966, Val Loss : 0.1005, Val
Acc : 0.9760
Epoch [16/20], Train Loss : 0.0238, Train Acc : 0.9962, Val Loss : 0.1235, Val
Acc : 0.9760
Epoch [17/20], Train Loss : 0.0114, Train Acc : 0.9970, Val Loss : 0.1026, Val
Acc : 0.9745
Epoch [18/20], Train Loss : 0.0172, Train Acc : 0.9962, Val Loss : 0.0948, Val
Acc : 0.9850
Epoch [19/20], Train Loss : 0.0130, Train Acc : 0.9959, Val Loss : 0.0988, Val
Acc : 0.9805
Epoch [20/20], Train Loss : 0.0141, Train Acc : 0.9970, Val Loss : 0.1034, Val
Acc : 0.9805
```

Train, Validation Accuracy and Loss

Test Output

```
Test Set : Acc [664/666] 100%
```

Test Output Images