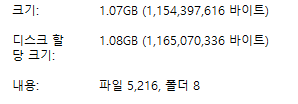
**Assignment**

**허재호**

**데이터 전처리 결과**

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**학습 결과**

Epoch [1/20], Train Loss : 0.6211, Train Acc : 0.7390, Val Loss : 0.5197, Val Acc : 0.7902

Epoch [2/20], Train Loss : 0.4477, Train Acc : 0.8080, Val Loss : 0.4335, Val Acc : 0.8180

Epoch [3/20], Train Loss : 0.4054, Train Acc : 0.8202, Val Loss : 0.4823, Val Acc : 0.8209

Epoch [4/20], Train Loss : 0.3867, Train Acc : 0.8370, Val Loss : 0.4168, Val Acc : 0.8170

Epoch [5/20], Train Loss : 0.3649, Train Acc : 0.8452, Val Loss : 0.4446, Val Acc : 0.8075

Epoch [6/20], Train Loss : 0.3445, Train Acc : 0.8528, Val Loss : 0.4031, Val Acc : 0.8295

Epoch [7/20], Train Loss : 0.3190, Train Acc : 0.8686, Val Loss : 0.4377, Val Acc : 0.8161

Epoch [8/20], Train Loss : 0.3245, Train Acc : 0.8674, Val Loss : 0.4144, Val Acc : 0.8372

Epoch [9/20], Train Loss : 0.2888, Train Acc : 0.8809, Val Loss : 0.4418, Val Acc : 0.8266

Epoch [10/20], Train Loss : 0.2836, Train Acc : 0.8861, Val Loss : 0.4633, Val Acc : 0.8352

Epoch [11/20], Train Loss : 0.2680, Train Acc : 0.8914, Val Loss : 0.4263, Val Acc : 0.8343

Epoch [12/20], Train Loss : 0.2483, Train Acc : 0.8996, Val Loss : 0.4685, Val Acc : 0.8228

Epoch [13/20], Train Loss : 0.2325, Train Acc : 0.9041, Val Loss : 0.5092, Val Acc : 0.8420

Epoch [14/20], Train Loss : 0.2140, Train Acc : 0.9144, Val Loss : 0.5492, Val Acc : 0.8391

Epoch [15/20], Train Loss : 0.1990, Train Acc : 0.9202, Val Loss : 0.5185, Val Acc : 0.8372

Epoch [16/20], Train Loss : 0.1797, Train Acc : 0.9271, Val Loss : 0.5149, Val Acc : 0.8247

Epoch [17/20], Train Loss : 0.1755, Train Acc : 0.9281, Val Loss : 0.5437, Val Acc : 0.8305

Epoch [18/20], Train Loss : 0.1636, Train Acc : 0.9350, Val Loss : 0.5275, Val Acc : 0.8381

Epoch [19/20], Train Loss : 0.1669, Train Acc : 0.9343, Val Loss : 0.5777, Val Acc : 0.8170

Epoch [20/20], Train Loss : 0.1482, Train Acc : 0.9389, Val Loss : 0.6013, Val Acc : 0.8333

**텍스트, 도표, 그래프, 라인이(가) 표시된 사진

자동 생성된 설명텍스트, 도표, 그래프, 라인이(가) 표시된 사진

자동 생성된 설명**

**테스트 결과**

Test Set : Acc [879/1044] 84%

**힉습에 사용한 하이퍼 파라미터**

parser.add\_argument("--epochs", type=int, default=20,

                        help="number of epochs for training")

parser.add\_argument("--batch\_size", type=int, default=64,

                        help="batch size for training and validation")

parser.add\_argument("--num\_workers", type=int, default=4,

                        help="number of workers for training and validation")

parser.add\_argument("--learning\_rate", type=float, default=1e-4,

                        help="learning rate for optimizer")

parser.add\_argument("--weight\_decay", type=float, default=1e-2,

                        help="weight decay for optimizer")

self.model = efficientnet\_v2\_s(weights=EfficientNet\_V2\_S\_Weights.DEFAULT)

optimizer = Lion(self.model.parameters(), lr=args.learning\_rate, weight\_decay=args.weight\_decay)