**Assignment1**

201920811 이동현

**Model -** ResNeXt-152

|  |  |  |  |
| --- | --- | --- | --- |
| FLOPS | MACs | Params | Image Size |
| 22.58 G | 11.25 GMACs | 58.11 M | (3, 224, 224) |

**Hyperparameters**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | SGD | | Cutmix | |
| Epochs | 30 | Momentum | 0.9 | Probability | 0.5 |
| Batch Size | 64 | Weight Decay | 1e-4 | Beta | 1.0 |
| Learning Rate | 0.25 |  | | | |

2x NVIDIA GeForce RTX 3090

**주요 개선점**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 개선점 | Top-1 Acc (%) | Top-5 Acc (%) | Epoch | Time (s) |
| Resize Only (Base) | 77.5 | 91.29 | 20 | 8750 |
| Cutmix | 80.86 | 93.67 | 32 | 7284 |
| RandomCrop | 82.11 | 94.6 | 33 | 7543 |
| LR Adjuster | 86.24 | 96.19 | 27 | 6126 |

텍스트, 라인, 그래프, 도표이(가) 표시된 사진

자동 생성된 설명

**개선 실패점**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 실패점 | Top-1 Acc (%) | Top-5 Acc (%) | Epoch | Time (s) |
| Normalization | 60.61 | 72.83 | 24 | 10518 |
| Norm + Horizontal Flip + RandomRotation | 60.75 | 73.73 | 23 | 10074 |
| SAM | 77.08 | 91.24 | 12 | 9946 |
| Adam | 63.3 | 81.62 | 47 | 10930 |