MiniImageNet

Accuracy (%)

|  |  |  |  |
| --- | --- | --- | --- |
| Method | 5W1S1Q | 5W5S5Q | Parameters |
| unsupervised | 36 |  | Temp 100,  only in the inner loop of MAML.  SimCLR augmentation with GaussianBlur and random invert. |
| W/ fine-tuning | 47.6 | 61.8 |
| w/o fine-tuning | 46.8 | 61.6 |
| w/ fine-tuning 300 samples | 49.4 | 61.04 |
| w/o fine-tuning 300 samples | 48.2 | 60.45 |
| w/ fine-tuning 150 samples | 47.2 | 58.25 |
| w/o fine-tuning 150 samples | 46 | 57.4 |

Accuracy (%)

|  |  |  |  |
| --- | --- | --- | --- |
| Method | 20W1S1Q | 20W5S5Q | Parameters |
| unsupervised | 13.95 |  | Temp 10 |
| unsupervised | 12.45 | Temp 20 |
| unsupervised | 12.15 | Temp 50 |
| w/ fine-tuning | 18.88 | 30.71 |  |
| w/o fine-tuning | 18.75 | 30.4 |  |
| w/ fine-tuning 300 samples | 17.94 | 28.83 |  |
| w/o fine-tuning 300 samples | 17.8 | 28.42 |  |
| w/ fine-tuning 150 samples | 17.5 | 27.05 |  |
| w/o fine-tuning 150 samples | 16.25 | 26.54 |  |

OCAST

5W1S1Q

|  |  |  |
| --- | --- | --- |
| Method | Accuracy (%) | Parameters |
| unsupervised | 31% | Temp 100 |
| w/o fine-tuning | 49.8% |  |
| W/ fine-tuning | 51.6% |  |