

## Hyperparameters

Bob set the learning rate too high. The bug can be fixed by adjusting the learning rate to a lower value, as below:

```
python solution.py --learning-rate=0.01 --mode=train --rep_intv=1  
                    --conv2d=torch
```

## model.py/MyNetwork/forward

Bob incorrectly normalized his data. On line 211 in model.py, Bob wrote

```
x = x / 127.5 - 127.5.
```

This results in  $x$  being between  $-127.5$  and  $-125.5$ , instead of  $-1.0$  and  $1.0$ . Instead, he should have written

```
x = (x - 127.5) / 127.5,
```

resulting in  $x$  being in the desired range of  $-1.0$  and  $1.0$ .

## solution.py/test

Bob forgot to set the model for evaluation before testing it. After line 301 in solution.py, Bob should have written

```
model.eval()
```

to prevent the model from training to attain the desired  $\sim 67\%$  accuracy.