Part 5 - CNN on Permuted MNIST

Add a description...

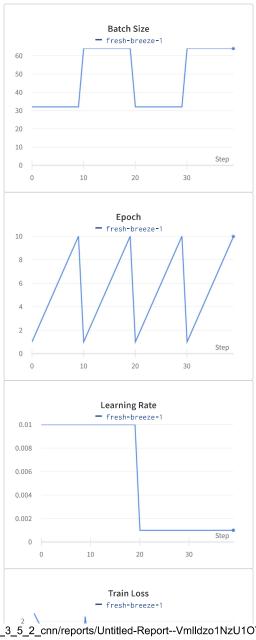
Harshit Aggarwal

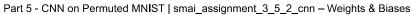
Here, we try to build a cnn model to see if we can correctly classify permuted mnist dataset.

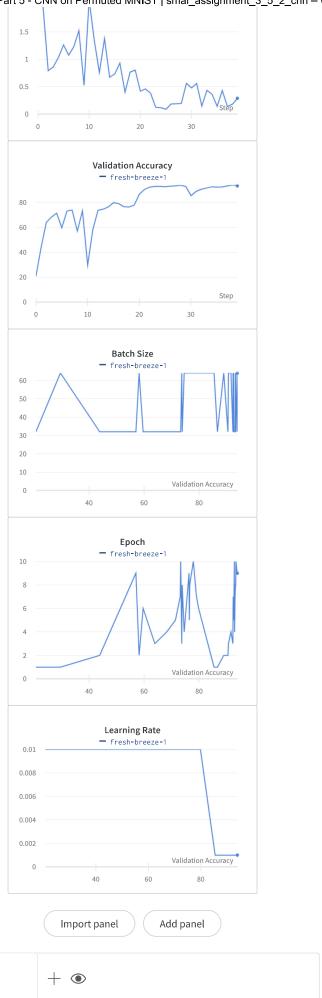
We perform hyperparameter tunning on the following parameters:

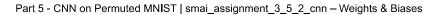
```
config.learning_rate = [0.01, 0.001]
config.batch_size = [32, 64]
config.num_epochs = 10
```

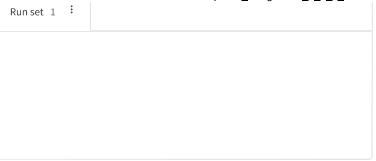
The results for the same are:











The best model comes out to be:

```
Batch Size 64
Epoch 10
Learning Rate 0.001
Train Loss 0.28883
Validation Accuracy 93.3
```