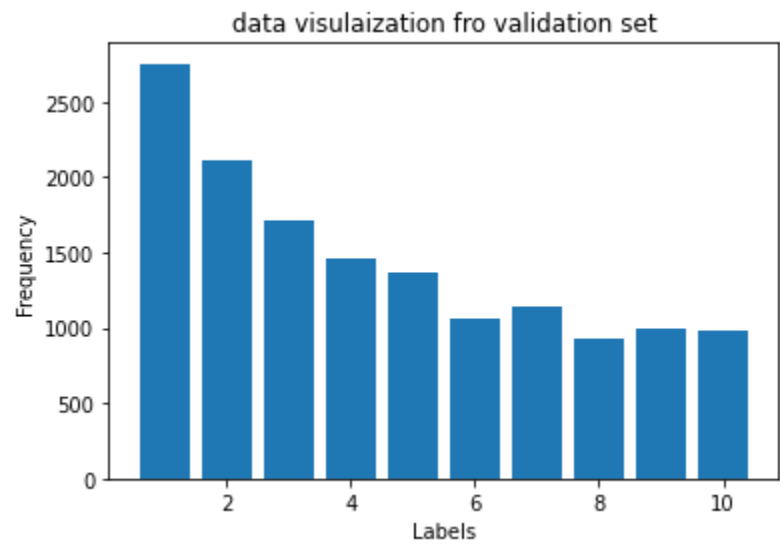


CV Assignment report

1.1)

Dataset is splitted in 70, 20 10 ratio



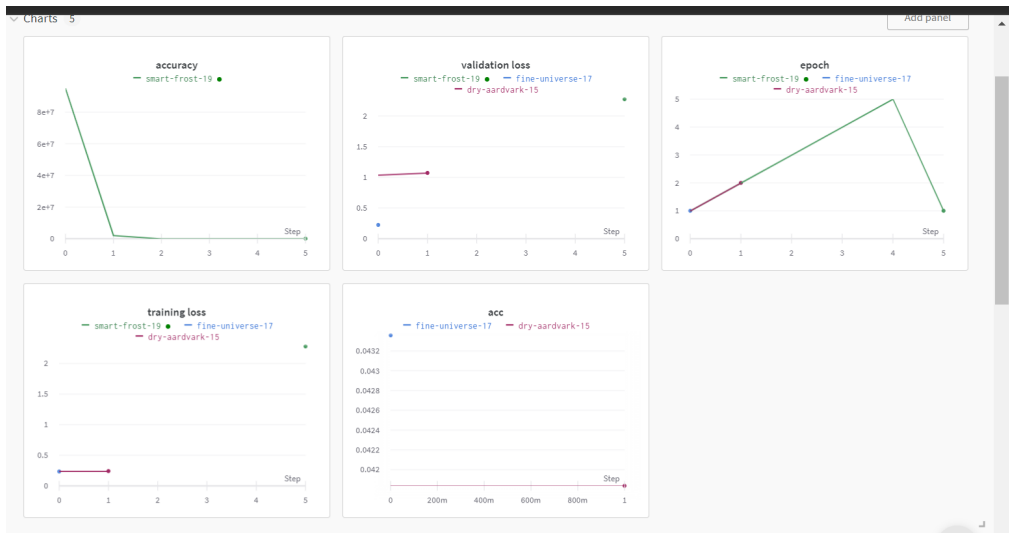
2)

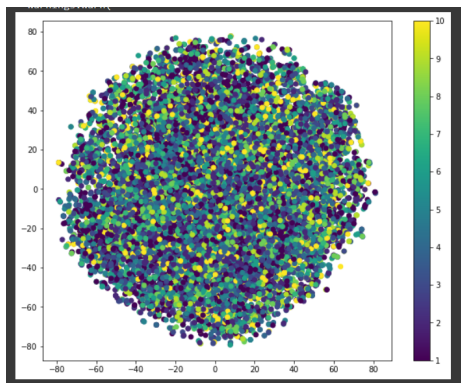
```
... epoch : 1 training loss : 2.278598226649346
epoch : 1 validation loss : 2.2740138261702682 accuracy : 18.979662185453293
epoch : 2 training loss : 2.274511585069815
epoch : 2 validation loss : 2.2374969269210547 accuracy : 18.979662185453293
epoch : 3 training loss : 2.2617853192858207
epoch : 3 validation loss : 2.2430199505474073 accuracy : 18.979662185453293
```

3)



Wandb plot





4)

```
Accuracy 0.19135554663455184
confusion matrix [[1430  0  0  0  0  0  0  0  0  0]
 [1054  0  0  0  0  0  0  0  0  0]
 [ 852  0  0  0  0  0  0  0  0  0]
 [ 807  0  0  0  0  0  0  0  0  0]
 [ 714  0  0  0  0  0  0  0  0  0]
 [ 571  0  0  0  0  0  0  0  0  0]
 [ 532  0  0  0  0  0  0  0  0  0]
 [ 522  0  0  0  0  0  0  0  0  0]
 [ 467  0  0  0  0  0  0  0  0  0]
 [ 524  0  0  0  0  0  0  0  0  0]]
f1-score 0.032124803145007296
```

6)

we can see that the accuracy is increasing