READ ME

HOW TO CHANGE THE PARAMETERS TO RUN THE CODE

**LDAM:-**

**How to run the code-**

python mnist\_train.py --gpu 0 --imb\_type exp --imb\_factor 0.01 --loss\_type LDAM --train\_rule DRW --epochs 10 --workers 2 --introduce\_noise 1 --noise\_ratio 20 --asymmetric\_noise 1 --imbalance\_data 1

To put noise 🡺 **introduce\_noise** must be **1** – to introduce noise **or** **0** for no noise

To put assymetric noise 🡺 **asymmetric\_noise** must be **1** **or** **0** for symmetric noise

To put imbalance dataset🡺 **imbalance\_data** must be **1** **or** **0** for balanced dataset

**The output is displayed in below cells for all the cases.**

**SL :-**

**How to run the code-**

This is in .ipynb file

To run the file just press **ctrl+F9** or in menu bar under Runtime select **Run all**.

All the parameters are present in the **second cell.**

To add the noise 🡺 Put **noise\_ratio**= 20 or some random number **else 0**  for **no noise.**

To put assymetric noise 🡺 Put **asym** parameter **True** **or** **False** for symmetric noise

To imbalance the dataset 🡺 Put **dasm** parameter **True or False** for balanced dataset

**The output is displayed in last cell.**

**While running the code again to check the new cases make sure that all the data, log and model files are deleted for previous case , otherwise it will give out error.**

**Logistic Regression:-**

**How to run the code-**

This is in .ipynb file

To run the file just press **ctrl+F9** or in menu bar under Runtime select **Run all**.

**The output is displayed in below cells for all the cases.**

**SVM Model:-**

**How to run the code-**

To add the noise 🡺 Put add\_noise= **True** else **False** for no noise.

To put assymetric noise 🡺 Put **asym\_noice** parameter **True** **or** **False** for symmetric noise

To imbalance the dataset 🡺 Put **dasm** parameter **True or False** for balanced dataset

**The output is displayed in below cells for all the cases.**

**VGG19 Model:-**

**How to run the code-**