

# General Instructions to run

There are some dataset specific preprocessing. So, if you want to run a specific dataset comment out the corresponding block. All the dataset should be in the folder running the script with the name given in the code.

All the packages should be installed beforehand. Now just uncomment the datablock and run it to get the result.

## Telco Churn

EPOCHS = 5000

Metric	Train	Test
Accuracy	0.7932	0.7778
True positive rate	0.5259	0.4947
True negative rate	0.8893	0.8824
precision	0.6304	0.6084
False discovery rate	0.3696	0.3916
F1	0.5734	0.5457

LR EPOCH = 5000

Number of boosting rounds	Training	Test
5	0.7357	0.7303
10	0.7357	0.7303
15	0.7358	0.7304

20	0.7354	0.7301
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## Adult

EPOCHS = 5000

Metric	Train	Test
Accuracy	0.823	0.826
True positive rate	0.441	0.591
True negative rate	0.944	0.898
Precision	0.716	0.643
False discovery rate	0.283	0.356
F1	0.546	0.616

EPOCHS = 5000

Number of boosting rounds	Training	Test
5	0.7591	0.7637
10	0.7591	0.7638
15	0.7599	0.7641
20	0.7592	0.764

## Credit Card

EPOCHS = 5000

<b>Metric</b>	<b>Train</b>	<b>Test</b>
Accuracy	0.9551	0.9497
True positive rate	0.905	0.9022
True negative rate	0.9564	0.9508
Precision	0.3418	0.2964
False discovery rate	0.6582	0.7036
F1	0.4962	0.4462

EPOCHS = 5000

<b>Number of boosting rounds</b>	<b>Training</b>	<b>Test</b>
5	0.9775	0.9756
10	0.9775	0.9756
15	0.9775	0.9756
20	0.9775	0.9756