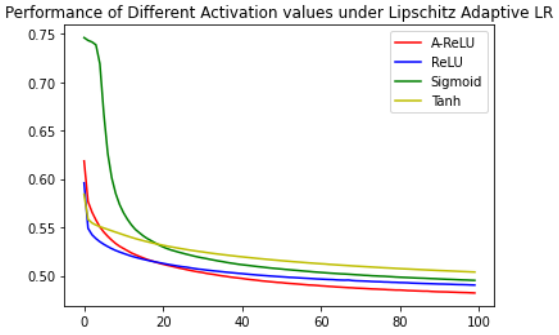
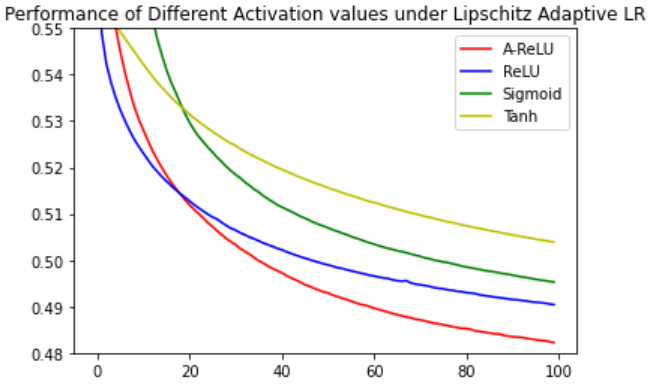
Parsimonious Computing

Results:

D-GEX(L) - Lipschitz Adaptive Learning Rate

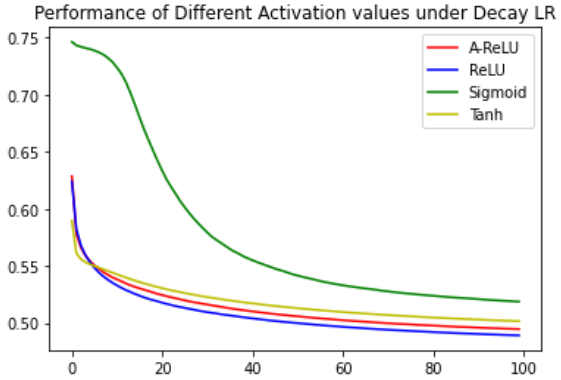
Number of Neurons	Number of Epochs	Sigmoid	Tanh	ReLU	A-ReLU
9000x2	100	0.4953	0.5039	0.4890	**0.4822**

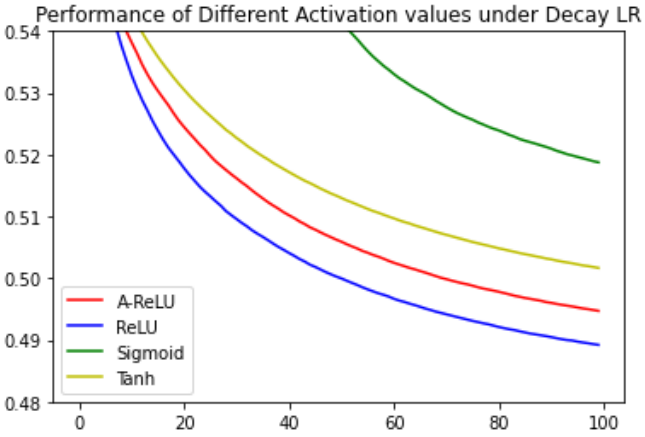




D-GEX(D) - Exponentially Decay Learning Rate

Number of Neurons	Number of Epochs	Sigmoid	Tanh	ReLU	A-ReLU
9000x2	100	0.5188	0.5016	**0.4892**	0.4947

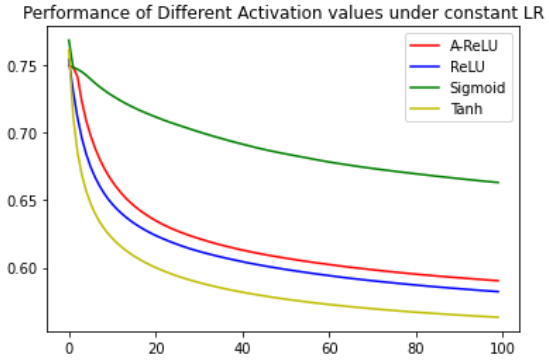


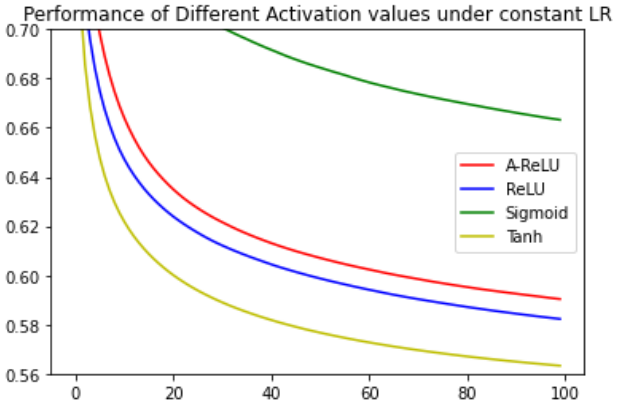


*The Loss function used is MAE as taken in the Base Paper

D-GEX(F) - Fixed Learning Rate (7e-5)

Number of Neurons	Number of Epochs	Sigmoid	Tanh	ReLU	A-ReLU
9000x2	100	0.6523	**0.5633**	0.5823	0.5898





Performance of LALR>Exponential Decay > Fixed LR

In LALR - AReLU performed better than the other activation functions.

*The Loss function used is MAE as taken in the Base Paper