Activation	#hidden layers	(L1 L2 L1_L2) & (batchN dorpO)	Optimizer	Loss	val_loss	Accuracy	val_accuracy	f1 score	Val_f1 score	Model number
Selu	3	No&No	adam	0.4441	0.506	0.7734	0.7360	0.6784	0.6197	1
//	//	Yes&No	//	0.5333	0.5420	0.7311	0.7099	0.6308	0.5945	2
//	//	Yes&yes	//	0.5579	0.5742	0.7065	0.7028	0.5956	0.6757	3
//	5	Yes&yes	//	0.5862	0.5818	0.6982	0.7034	0.5954	0.6829	4
relu	3	No&no	Adam	0.3870	0.5642	0.8122	0.7196	0.7341	0.5966	5
//	//	Yes&yes	Adam	0.5196	0.5203	0.7358	0.7274	0.6365	0.6514	6
elu	5	//+default	//	0.4638	0.4759	0.7604	0.7544	0.6708	0.6495	7
		//(0.1)		Worse	Worse	Worse	Worse	Worse	worse	
//	//	Default+ dropout	Adam	0.4795	0.4751	0.7519	0.7605	0.6497	0.6776	8
//	3	//	//	The same						10
//	5	//	Sgd							9
//	3	//	//+schd	0.4918	0.4826	0.7381	0.7493	0.6383	0.6779	11
//	//	//	Adam+schd							12
	Selu	Selu 3 // // // // // 5 relu 3 // // elu 5 // // // 3 // 3 // 3 // 3	Selu 3 No&No	Selu 3 No&No adam	layers & (batchN dorpO) Selu 3 No&No adam 0.4441 // // Ves&No // 0.5333 // // Yes&yes // 0.5579 // 5 Yes&yes // 0.5862 relu 3 No&no Adam 0.3870 // // Yes&yes Adam 0.5196 elu 5 //+default // 0.4638 // // Default+ dropout Adam 0.4795 // 3 // // The same // 5 // Sgd // 3 // //+schd 0.4918	layers & (batchN dorpO) Selu 3 No&No adam 0.4441 0.506 // // 0.5333 0.5420 // // 0.5333 0.5420 // // 0.5579 0.5742 // 5 Yes&yes // 0.5862 0.5818 relu 3 No&no Adam 0.3870 0.5642 // // Yes&yes Adam 0.5196 0.5203 elu 5 //+default // 0.4638 0.4759 // // Worse Worse // Worse Worse // 3 // Adam 0.4795 0.4751 // 3 // // Sgd // 3 // //+schd 0.4918 0.4826	layers & (batchN dorpO) Selu 3 No&No adam 0.4441 0.506 0.7734 // // 0.5333 0.5420 0.7311 // // 0.5579 0.5742 0.7065 // 5 Yes&yes // 0.5962 0.5018 0.6982 relu 3 No&no Adam 0.3870 0.5642 0.8122 // // 4dam 0.5196 0.5203 0.7358 elu 5 //+default // 0.4638 0.4759 0.7604 // // Worse Worse Worse // 3 // Adam 0.4795 0.4751 0.7519 // 3 // // The same // 5 // Sgd // 3 // //+schd 0.4918 0.4826 0.7381	Selu 3 No&No adam 0.4441 0.506 0.7734 0.7360	Selu 3 No&No adam 0.4441 0.506 0.7734 0.7360 0.6784	Selu 3 No&No adam 0.4441 0.506 0.7734 0.7360 0.6784 0.6197

Model number	Overfitting (high variance)	Underfitting (high bias)	Model performance (fluctuations)	More train can help?	comment
1	Yes	Yes More training can give more	Not bad	Underfitting only	
2	Small	Yes (end of the model)	bad	NO	
3	No	YYESS	bad	NO	
4	No	Yes	Bad	No	
5	Yes	Yes More training can give more	Not bad (good)	Underfitting only	
6	No	Yes	Bad	No	
7	Small	Yes	good	Tend to overfitting	
8	No	Yes	Excellent	little	Elu gives the best performance with dropout
9					Bad performance
10					More layer is not usefull
11	no	yes	good	More training was given Slightly better performance	
12					Bad performance

Drop out (0.3 - 0.5) with L1 & L2 and Elu gives us the best performance

More layer is not useful 3 is enough