	Model Number	1	2	3	4		5	6	7	8
	Learning Rate		0.0	001				0.0	010	
1	Hidden Layer Size	128.0	0000	256.	0000		128.	0000	256.	0000
	Optimizer	Adam	SGD	Adam	SGD		Adam	SGD	Adam	SGD
	Training Time (seconds)	30.9508	31.4066	32.6276	36.2480		31.6745	31.3598	32.8226	35.5084
RNN	Evaluation Loss	0.6924	0.6964	0.6898	0.6933		0.6930	0.6945	0.6979	0.6944
	Accuracy	0.5176	0.5015	0.5211	0.4989		0.5240	0.5065	0.5025	0.5033
	Precision	0.5543	0.5009	0.5471	0.4982		0.5170	0.5046	0.5052	0.5022
	Recall	0.1798	0.8738	0.2448	0.3062		0.7307	0.7125	0.2467	0.7561
	F1-Score	0.2715	0.6367	0.3383	0.3793		0.6056	0.5908	0.3315	0.6035
	Evaluation Time (seconds)	5.2650	5.1049	5.5903	6.1391		4.8985	4.6352	5.6801	5.5901
	AUC	0.5176	0.5015	0.5211	0.4989		0.5240	0.5065	0.5025	0.5033
									19	
ĺ	Model Number	13	14	15	16		17	18		20
	Learning Rate		0.0						010	
	Hidden Layer Size	128.0			0000		128.			0000
	Optimizer	Adam	SGD	Adam	SGD		Adam	SGD	Adam	SGD
	Training Time	86.6725	40.7997	97.0553	39.7601		87.6173	41.6119	97.0011	40.2860
LSTM	Evaluation Loss	0.5122	0.6938	0.4826	0.6948		0.4625	0.6924	0.4369	0.6927
201	Accuracy	0.7543	0.5043	0.7674	0.4990		0.7812	0.5157	0.8028	0.5022
	Precision	0.7373	0.5343	0.7841	0.4995		0.7536	0.5093	0.8925	0.5018
	Recall	0.7901	0.0673	0.7381	0.9927		0.8355	0.8582	0.6884	0.6025
	F1-Score	0.7628	0.1195	0.7604	0.6646		0.7925	0.6393	0.7773	0.5475
	Evaluation Time	6.1577	5.9761	6.1472	6.3505		6.1801	6.0982	6.1535	6.2876
	AUC	0.7543	0.5043	0.7674	0.4990		0.7812	0.5157	0.8028	0.5022
	Model Number	25	26	27	28		29	30	31	32
	Learning Rate	2.0						0010		
	Hidden Layer Size	128.0000		256.0000			128.		256.0000	
GRU	Optimizer	Adam	SGD	Adam	SGD		Adam	SGD	Adam	SGD
	Training Time	29.5157	33.5003	81.5256	35.0322		78.2865	36.0576	85.0059	36.6316
	Evaluation Loss	0.6882	0.6933	0.5310	0.6940		0.3598	0.6919	0.5471	0.6935
	Accuracy	0.5378	0.5117	0.7395	0.5004		0.8374	0.5181	0.7680	0.5048
	Precision	0.5262	0.5092	0.6780	0.5003		0.8963	0.5129	0.6896	0.5039
	Recall	0.7586	0.6474	0.9122	0.7906		0.7630	0.7222	0.9750	0.6123
	F1-Score	0.6214	0.5700	0.7779	0.6128		0.8243	0.5998	0.8078	0.5529
	Evaluation Time	5.4312	4.8943	5.9395	5.5086		5.5239	5.3710	6.0510	6.0228
	AUC	0.5378	0.5117	0.7395	0.5004		0.8374	0.5181	0.7680	0.5048

9	10	11	12		Mean	Std. Dev	Model Number	
	0.0	100	-				Learning Rate	
128.	0000	256.0	0000				Hidden Layer Size	
Adam	SGD	Adam	Adam SGD				Optimizer	
30.3784	30.8910	42.7418	35.4190		33.5024	3.5322	Training Time (seconds)	
0.7138	0.6939	0.7173	0.6933		0.6975	0.0087	Evaluation Loss	
0.5035	0.5064	0.5034	0.5030		0.5076	0.0083	Accuracy	
0.5018	0.5041	0.5411	0.5080		0.5154	0.0201	Precision	
0.9929	0.7831	0.0442	0.1914		0.5052	0.3301	Recall	
0.6666	0.6134	0.0818	0.2781		0.4498	0.1918	F1-Score	
4.9226	4.8438	5.4607	5.4277		5.2965	0.4319	Evaluation Time (seconds	
0.5035	0.5064	0.5034	0.5030		0.5076	0.0084	AUC	
21	22	23 24					Model Number	
	0.0	100					Learning Rate	
128.0000		256.0	0000				Hidden Layer Size	
Adam	SGD	Adam	SGD				Optimizer	
52.3388	40.0743	65.7028	41.3878		60.8590	24.3967	Training Time	
0.4180	0.6930	0.4482	0.6925		0.5766	0.1239	Evaluation Loss	
0.8392	0.5036	0.8325	0.5160		0.6515	0.1530	Accuracy	
0.8352	0.5042	0.8220	0.5261		0.6583	0.1574	Precision	
0.8452	0.4284	0.8487	0.3233		0.6682	0.2689	Recall	
0.8402	0.4632	0.8352	0.4005		0.6336	0.2170	F1-Score	
6.1495	6.1394	6.2596	6.1784		6.1731	0.0951	Evaluation Time	
0.8392	0.5036	0.8325	0.5160		0.6515	0.1530	AUC	
33	34	35	36				Model Number	
0.0		100					Learning Rate	
128.0000		256.0	0000				Hidden Layer Size	
Adam	SGD	Adam	SGD				Optimizer	
51.1338	35.2797	47.3459	35.2865		48.7168	20.7367	Training Time	
0.4754	0.6934	0.4940	0.6924		0.6045	0.1174	Evaluation Loss	
0.8414	0.5102	0.8378	0.5162		0.6353	0.1527	Accuracy	
0.8271	0.5064	0.8585	0.5120		0.6267	0.1563	Precision	
0.8632	0.7986	0.8088	0.6895		0.7785	0.1052	Recall	
0.8448	0.6198	0.8329	0.5877		0.6877	0.1173	F1-Score	
5.4068	5.9534	6.3765	5.8607		5.6950	0.4062	Evaluation Time	
0.8414	0.5102	0.8378	0.5162		0.6353	0.1527	AUC	

	Model Number	21	33	35	
	Learning Rate	0.0100	0.0100	0.0100	
	Hidden Layer Size	128.0000	128.0000	256.0000	
	Optimizer	Adam	Adam	Adam	
	Training Time	43.8937	52.2946	49.5189	
	Evaluation Loss	0.4237	0.5665	0.5200	
Top 3	Accuracy	0.8184	0.8338	0.8296	
Models	Precision	0.8522	0.8803	0.7739	
	Recall	0.7705	0.7728	0.9312	
	F1-Score	0.8093	0.8230	0.8453	
	Evaluation Time	6.1091	5.1704	6.1766	
	AUC	0.8184	0.8338	0.8296	
	Confusion Matrix	[[10829 1671]	[[11186 1314]	[[ 9100 3400]	
		[ 2869 9631]]	[ 2840 9660]]	[ 860 11640]]	

	Model Number	0		
	Learning Rate	0.001		
	Hidden Layer Size	128		
	Optimizer	Adam		
	Training Time	38.52940941		
Initial	Evaluation Loss	0.6929		
RNN	Accuracy	0.5236		
Model	Precision	0.5162		
wodei	Recall	0.7521		
	F1-Score	0.6122		
	Evaluation Time	5.608083725		
	AUC	0.52356		
	Confusion Matrix	[[3688 8812]		
		[3099 9401]]		