## hiperparams

GRU									
HIDDEN	DEPTH	DROPOUT	BIDIRECTIONAL	ACCUARACY	PRECISSION	RECALL	F	TEST ERROR	STD
150	2	0.0	False	0.771	0.724	0.860	0.786	0.530	
100	2	0.0	False	0.789	0.743	0.871	0.802	0.468	0.007
170	2	0.0	False	0.796	0.780	0.813	0.796	0.461	0.007
200	2	0.0	False	0.799	0.814	0.766	0.789	0.497	
150	3	0.0	False	0.776	0.840	0.673	0.747	0.587	
150	4	0.0	False	0.800	0.779	0.829	0.803	0.482	0.029
150	5	0.0	False	0.788	0.850	0.689	0.761	0.544	
150	2	0.1	False	0.787	0.763	0.820	0.791	0.500	
150	2	0.4	False	0.781	0.752	0.827	0.788	0.504	0.006
150	2	0.7	False	0.769	0.733	0.834	0.780	0.507	
150	2	0.0	False	0.771	0.724	0.860	0.786	0.530	0.010
150	2	0.0	True	0.804	0.801	0.799	0.800	0.448	0.010

RNN									
HIDDEN	DEPTH	DROPOUT	BIDIRECTIONAL	ACCUARACY	PRECISSION	RECALL	F	TEST ERROR	STD
150	2	0.0	False	0.783	0.785	0.769	0.777	0.512	
100	2	0.0	False	0.761	0.712	0.862	0.780	0.551	0.017
170	2	0.0	False	0.779	0.757	0.808	0.782	0.516	0.017
200	2	0.0	False	0.773	0.813	0.699	0.751	0.525	
150	3	0.0	False	0.767	0.707	0.897	0.791	0.501	
150	4	0.0	False	0.772	0.735	0.836	0.783	0.515	0.005
150	5	0.0	False	0.784	0.755	0.829	0.791	0.487	
150	2	0.1	False	0.764	0.703	0.900	0.789	0.504	
150	2	0.4	False	0.772	0.723	0.867	0.789	0.497	0.004
150	2	0.7	False	0.740	0.664	0.949	0.782	0.550	
150	2	0.0	False	0.783	0.785	0.769	0.777	0.512	0.001
150	2	0.0	True	0.773	0.747	0.813	0.779	0.481	0.001

LSTM									
HIDDEN	DEPTH	DROPOUT	BIDIRECTIONAL	ACCUARACY	PRECISSION	RECALL	F	TEST ERROR	STD
150	2	0.0	False	0.784	0.788	0.766	0.777	0.474	
100	2	0.0	False	0.787	0.764	0.818	0.790	0.453	0.007
170	2	0.0	False	0.787	0.791	0.769	0.780	0.463	0.007
200	2	0.0	False	0.786	0.752	0.841	0.794	0.462	
150	3	0.0	False	0.786	0.796	0.757	0.776	0.473	
150	4	0.0	False	0.780	0.737	0.857	0.793	0.458	0.009
150	5	0.0	False	0.792	0.810	0.755	0.781	0.532	
150	2	0.1	False	0.774	0.730	0.857	0.788	0.492	
150	2	0.4	False	0.774	0.732	0.850	0.787	0.486	0.001
150	2	0.7	False	0.773	0.729	0.855	0.787	0.486	
150	2	0.0	False	0.784	0.788	0.766	0.777	0.474	0.007
150	2	0.0	True	0.761	0.700	0.900	0.787	0.505	0.007

Best Hiparam	VALUES
CELL	GRU
HIDDEN	100
DEPTH	4
DROPOUT	0.1
BIDIRECTIONAL	TRUE

ACCUARACY	PRECISSION	RECALL	Е	TEST ERROR
			-	
0.786	0.841	0.694	0.761	0.498
0.782	0.754	0.825	0.788	0.480
0.751	0.850	0.598	0.702	0.571
0.774	0.739	0.834	0.784	0.530
0.795	0.845	0.713	0.773	0.478
0.778	0.806	0.733	0.762	0.511
0.016	0.055	0.098	0.035	0.039

Best Hiparam	VALUES
CELL	RNN
HIDDEN	100
DEPTH	3
DROPOUT	0.1
BIDIRECTIONAL	TRUE

	TEST ERROR	F	RECALL	PRECISSION	ACCUARACY
	0.507	0.789	0.900	0.703	0.764
	0.498	0.781	0.864	0.713	0.763
	0.505	0.723	0.645	0.821	0.757
	0.472	0.768	0.783	0.755	0.768
	0.482	0.794	0.869	0.731	0.779
AVARAGE	0.493	0.771	0.812	0.744	0.766
STD	0.015	0.029	0.103	0.047	0.008

Best Hiparam	VALUES
CELL	LSTM
HIDDEN	100
DEPTH	4
DROPOUT	0.1
BIDIRECTIONAL	TRUE

ACCUARACY	PRECISSION	RECALL	F	TEST ERROR
0.744	0.776	0.673	0.721	0.597
0.803	0.825	0.759	0.791	0.477
0.757	0.853	0.610	0.711	0.614
0.808	0.821	0.780	0.800	0.453
0.811	0.833	0.769	0.800	0.450
0.785	0.822	0.718	0.764	0.518
0.032	0.028	0.074	0.044	0.081