

Results: bert-base-uncased-baseline-plg-[cls]-lr-
[0.00005—0.00001—0.000001]

Nadia Sheikh

2022-07-27

1 Configurations

1.1 Run Configuration

0	
experiment_identifier	llm-baseline-[bert—sbert]
run_identifier	bert-base-uncased-baseline-plg-[cls]-lr-[0.000...
config_file_path	/tmp/71342.1.all.q/ctre/cnc-task-3/runs/config...

1.2 Data Configuration

0	
data_utility_cls	cnc_utilities
dataset_cls	CNCTask3aDataset
nos_of_folds	5
trn_data_path	/cnc-task-3/data/csv-gold-standard/training-data/
tst_data_path	/home/nadia/Documents/CLaC-Lab/ctre/cnc-task-3...
base_output_folder_path	/cnc-task-3/experiments/
config_file_path	/tmp/71342.1.all.q/ctre/cnc-task-3/runs/config...

1.3 Preprocessing Configuration

0	
collate_fn_name	LLMCollateFn
llm_name	bert-base-uncased
connl_folder_path	/home/nadia/Documents/CLaC-Lab/ctre/cnc-task-3...
max_nos_tokens	84
token_sep	True
config_file_path	/tmp/71342.1.all.q/ctre/cnc-task-3/runs/config...

2 Hyperparameters

2.1 hparam_config_id_0

	0
loss_function	cross-entropy-loss
learning_rate	0.00005
batch_size	1
optimizer	adam
llm	bert-base-uncased
llm_hidden_dropout_prob	0.1
llm_attention_probs_dropout_prob	0.1
pooling	cls
classes	2
max_epochs	10

2.2 hparam_config_id_1

	0
loss_function	cross-entropy-loss
learning_rate	0.00001
batch_size	1
optimizer	adam
llm	bert-base-uncased
llm_hidden_dropout_prob	0.1
llm_attention_probs_dropout_prob	0.1
pooling	cls
classes	2
max_epochs	10

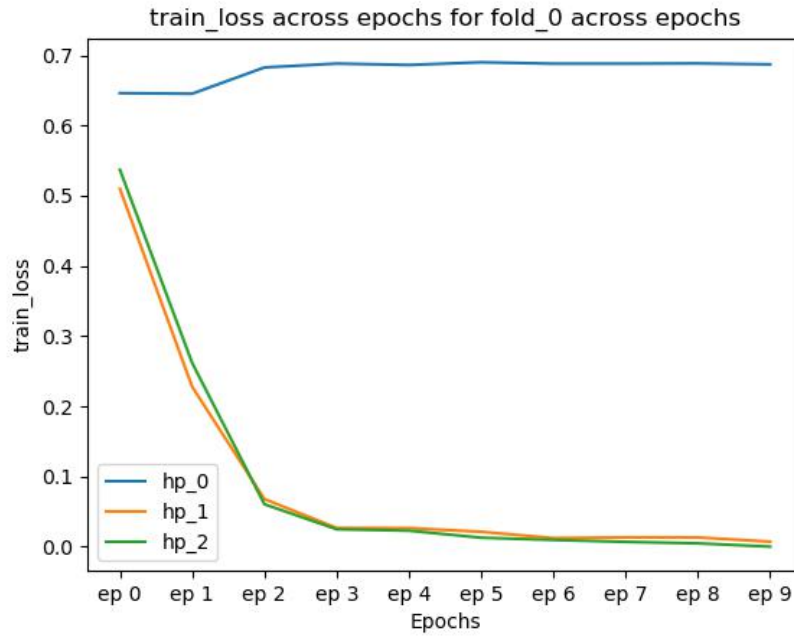
2.3 hparam_config_id_2

	0
loss_function	cross-entropy-loss
learning_rate	0.000005
batch_size	1
optimizer	adam
llm	bert-base-uncased
llm_hidden_dropout_prob	0.1
llm_attention_probs_dropout_prob	0.1
pooling	cls
classes	2
max_epochs	10

3 fold_0

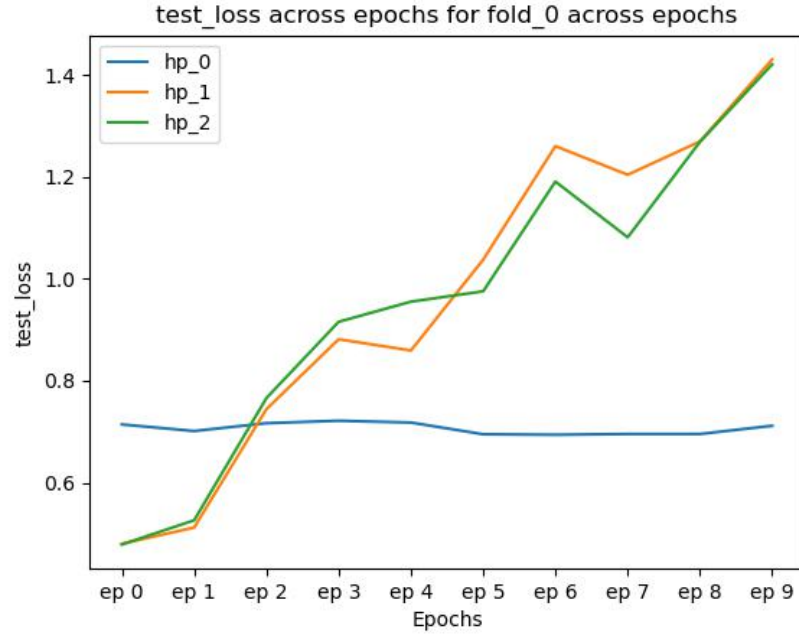
3.1 train_loss

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.646	0.645	0.683	0.688	0.686	0.690	0.688	0.688	0.688	0.687
hp_1	0.510	0.228	0.068	0.027	0.027	0.021	0.012	0.013	0.013	0.007
hp_2	0.537	0.262	0.061	0.025	0.023	0.013	0.010	0.007	0.005	0.000



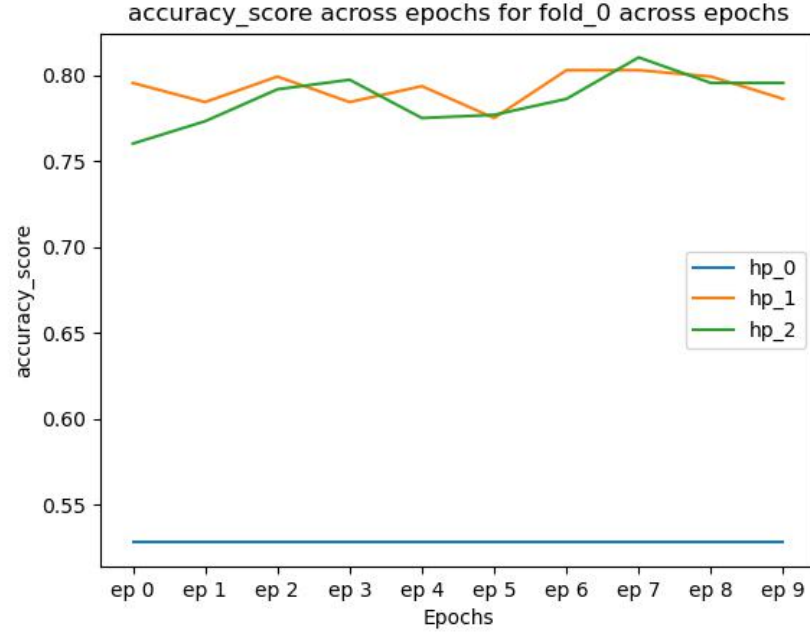
3.2 test_loss

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.714	0.701	0.717	0.722	0.718	0.695	0.694	0.696	0.696	0.712
hp_1	0.480	0.512	0.744	0.881	0.859	1.038	1.261	1.204	1.270	1.431
hp_2	0.479	0.526	0.766	0.916	0.955	0.976	1.191	1.082	1.269	1.421



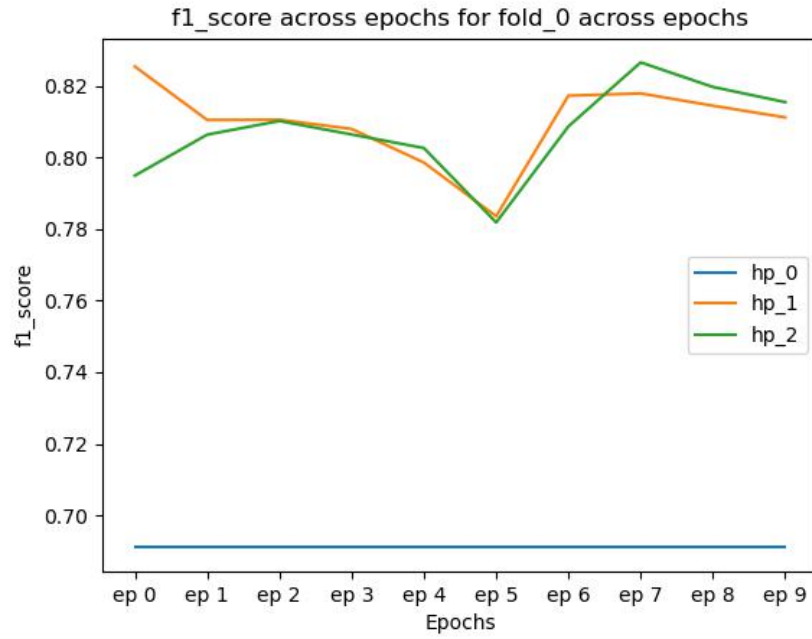
3.3 accuracy_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528
hp_1	0.796	0.784	0.799	0.784	0.794	0.775	0.803	0.803	0.799	0.786
hp_2	0.760	0.773	0.792	0.797	0.775	0.777	0.786	0.810	0.796	0.796



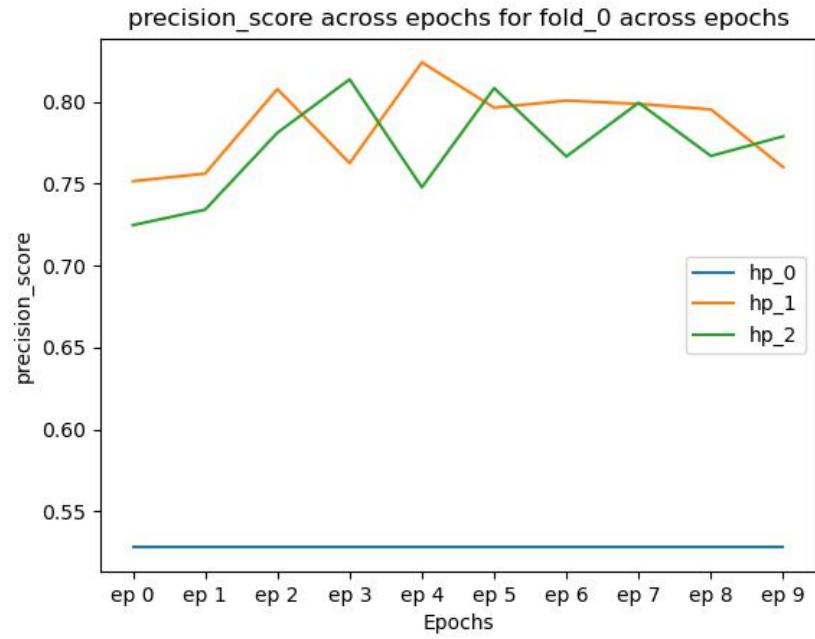
3.4 f1_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.691	0.691	0.691	0.691	0.691	0.691	0.691	0.691	0.691	0.691
hp_1	0.825	0.810	0.811	0.808	0.799	0.784	0.817	0.818	0.814	0.811
hp_2	0.795	0.806	0.810	0.806	0.803	0.782	0.809	0.827	0.820	0.815



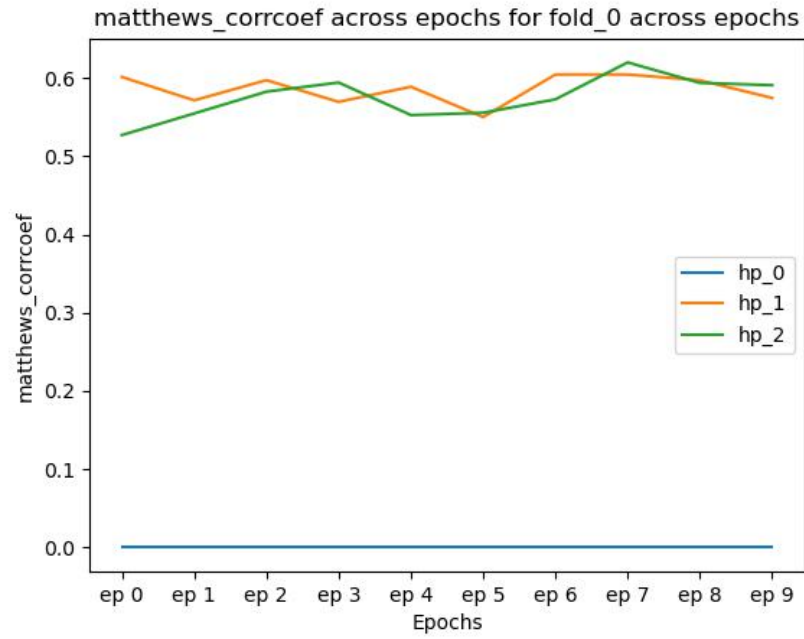
3.5 precision_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528
hp_1	0.751	0.756	0.808	0.762	0.824	0.796	0.801	0.799	0.795	0.760
hp_2	0.725	0.734	0.781	0.814	0.748	0.808	0.767	0.799	0.767	0.779



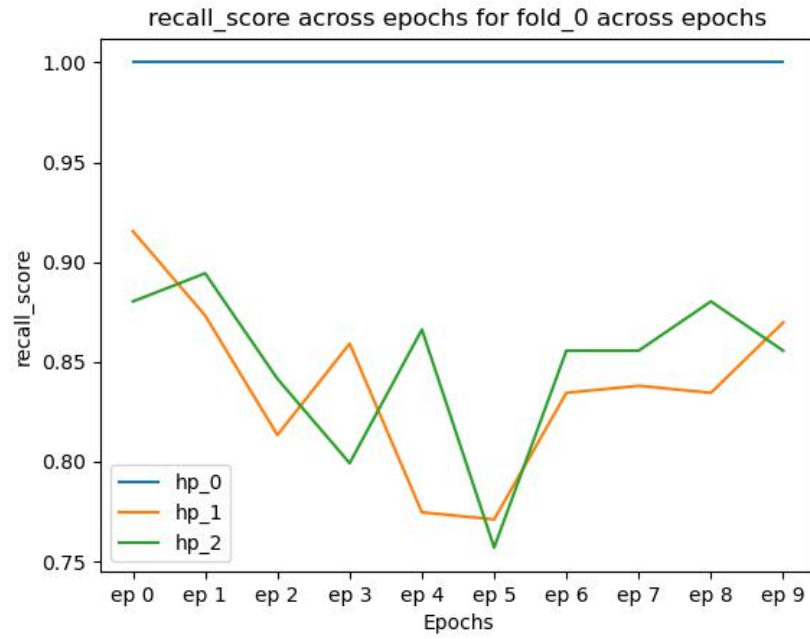
3.6 matthews_corrcoef

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
hp_1	0.601	0.571	0.597	0.569	0.589	0.550	0.604	0.604	0.597	0.574
hp_2	0.527	0.555	0.582	0.594	0.553	0.555	0.573	0.620	0.594	0.591



3.7 recall_score

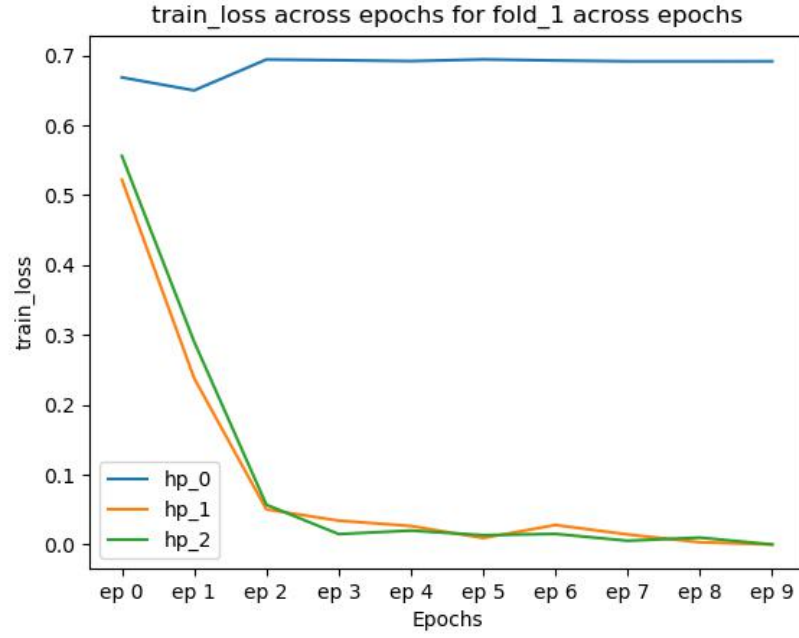
	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
hp_1	0.915	0.873	0.813	0.859	0.775	0.771	0.835	0.838	0.835	0.870
hp_2	0.880	0.894	0.842	0.799	0.866	0.757	0.856	0.856	0.880	0.856



4 fold_1

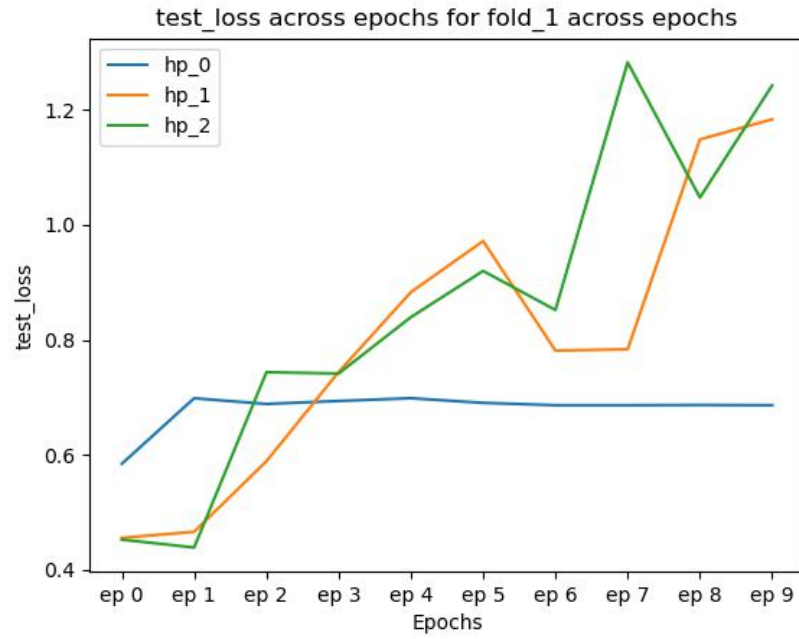
4.1 train_loss

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.668	0.650	0.694	0.693	0.692	0.694	0.693	0.692	0.692	0.692
hp_1	0.522	0.238	0.050	0.034	0.027	0.009	0.028	0.014	0.003	0.000
hp_2	0.556	0.290	0.057	0.015	0.020	0.013	0.015	0.005	0.010	0.000



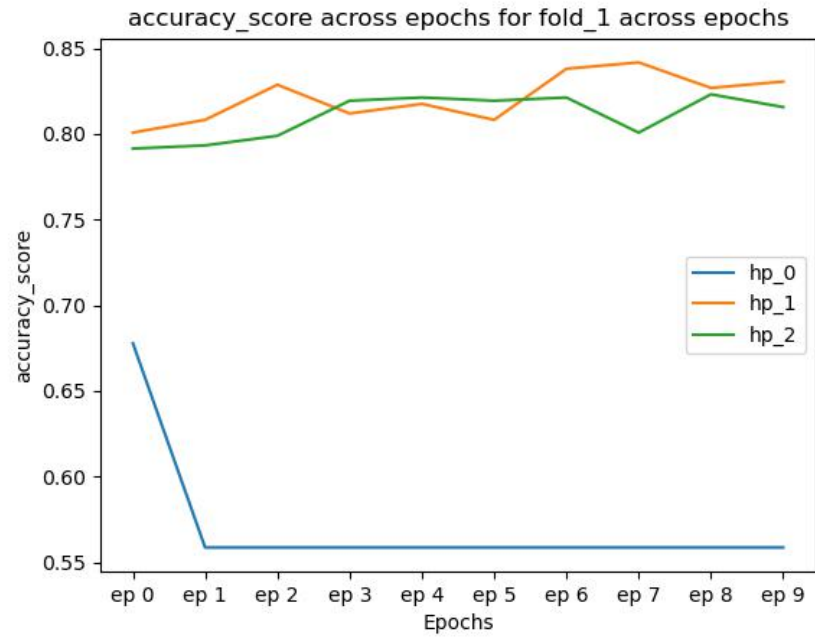
4.2 test_loss

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.585	0.698	0.688	0.694	0.698	0.690	0.686	0.686	0.687	0.686
hp_1	0.456	0.466	0.589	0.744	0.883	0.972	0.781	0.783	1.148	1.183
hp_2	0.453	0.439	0.744	0.741	0.839	0.920	0.852	1.282	1.047	1.242



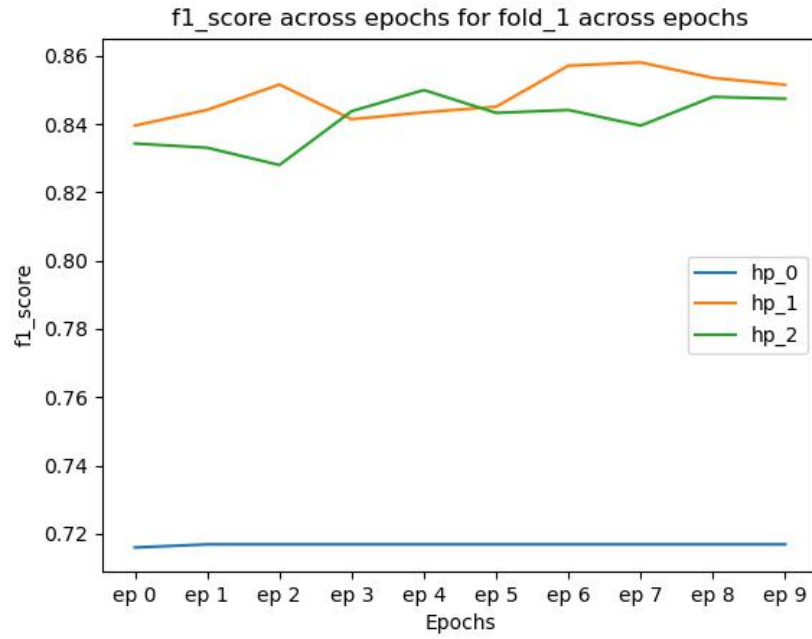
4.3 accuracy_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.678	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559
hp_1	0.801	0.808	0.829	0.812	0.818	0.808	0.838	0.842	0.827	0.831
hp_2	0.791	0.793	0.799	0.819	0.821	0.819	0.821	0.801	0.823	0.816



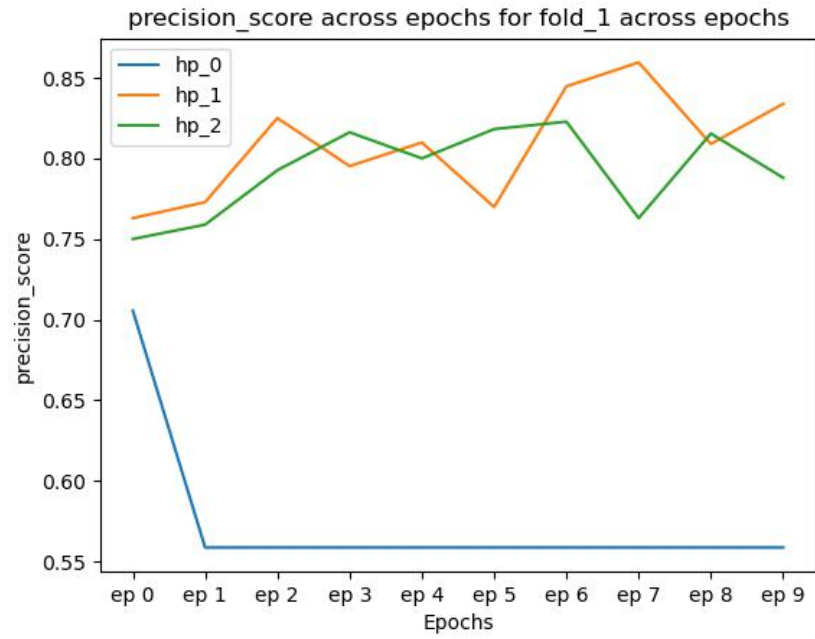
4.4 f1_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.716	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.717
hp_1	0.840	0.844	0.852	0.841	0.843	0.845	0.857	0.858	0.854	0.852
hp_2	0.834	0.833	0.828	0.844	0.850	0.843	0.844	0.840	0.848	0.847



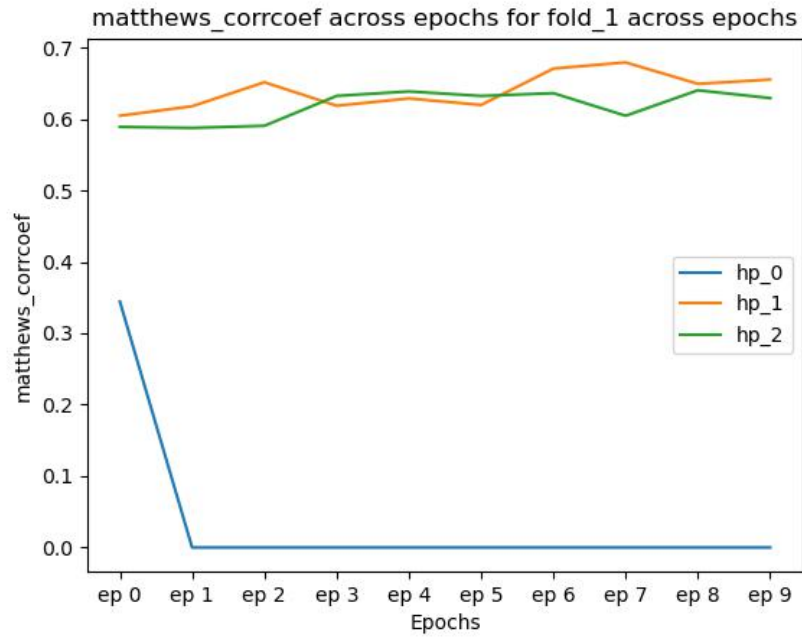
4.5 precision_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.706	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559
hp_1	0.763	0.773	0.825	0.795	0.810	0.770	0.845	0.860	0.809	0.834
hp_2	0.750	0.759	0.793	0.816	0.800	0.818	0.823	0.763	0.815	0.788



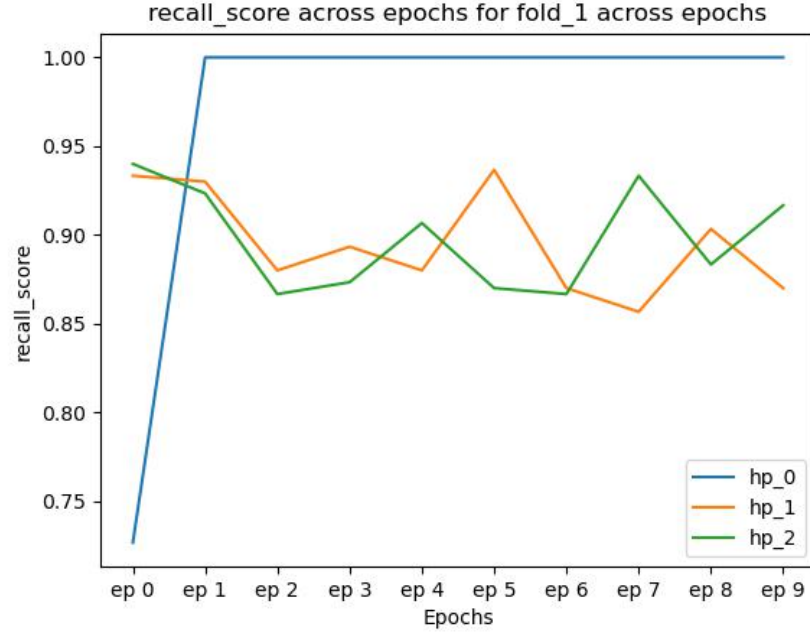
4.6 matthews_corrcoef

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.344	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
hp_1	0.604	0.618	0.651	0.619	0.629	0.620	0.671	0.679	0.649	0.655
hp_2	0.589	0.587	0.590	0.632	0.639	0.632	0.636	0.604	0.640	0.629



4.7 recall_score

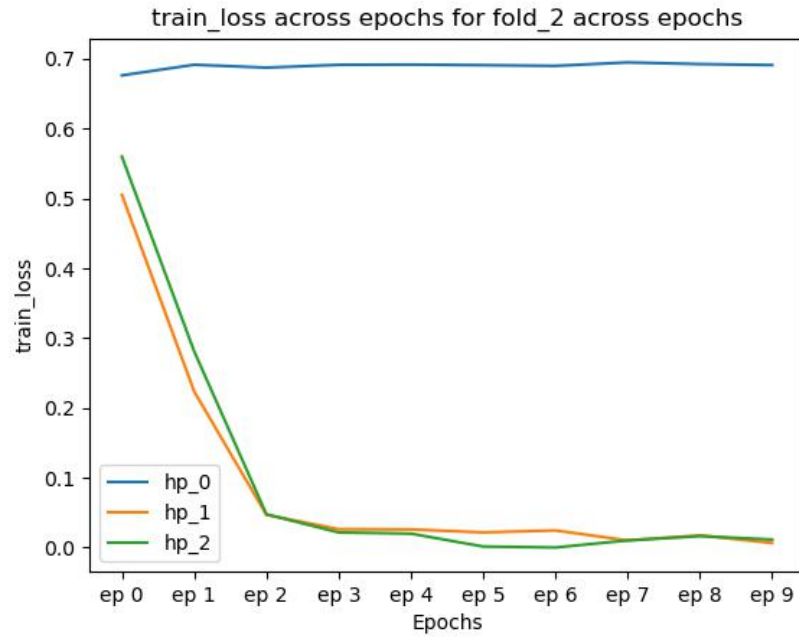
	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.727	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
hp_1	0.933	0.930	0.880	0.893	0.880	0.937	0.870	0.857	0.903	0.870
hp_2	0.940	0.923	0.867	0.873	0.907	0.870	0.867	0.933	0.883	0.917



5 fold_2

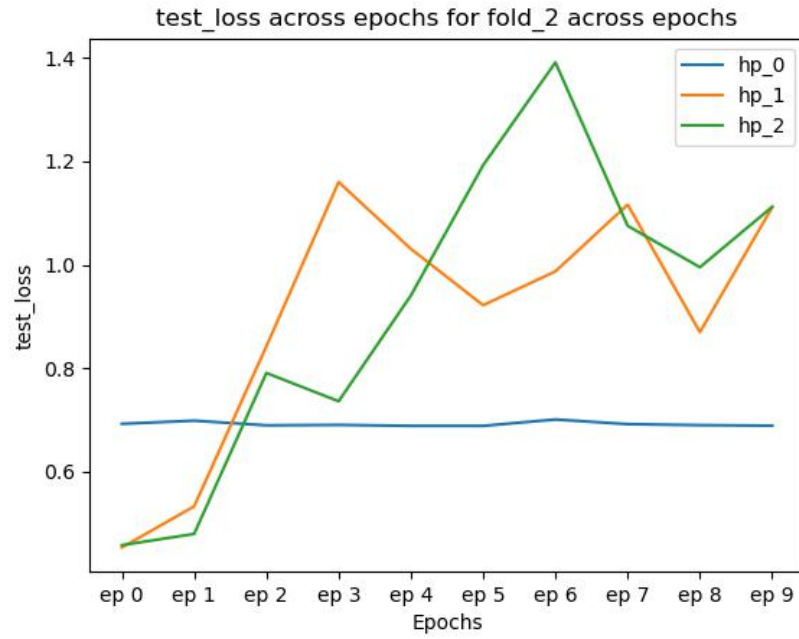
5.1 train_loss

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.676	0.692	0.687	0.691	0.692	0.691	0.690	0.695	0.692	0.691
hp_1	0.505	0.224	0.047	0.026	0.026	0.022	0.025	0.010	0.018	0.007
hp_2	0.560	0.281	0.048	0.022	0.020	0.002	0.000	0.010	0.016	0.012



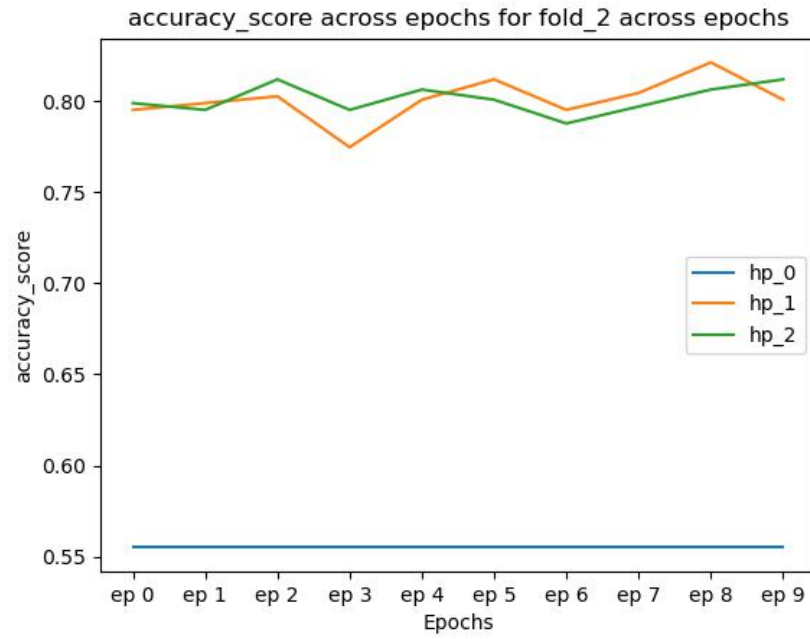
5.2 test_loss

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.692	0.699	0.690	0.690	0.689	0.689	0.701	0.692	0.690	0.689
hp_1	0.453	0.533	0.842	1.160	1.031	0.922	0.987	1.116	0.870	1.111
hp_2	0.458	0.480	0.791	0.736	0.941	1.193	1.391	1.075	0.995	1.112



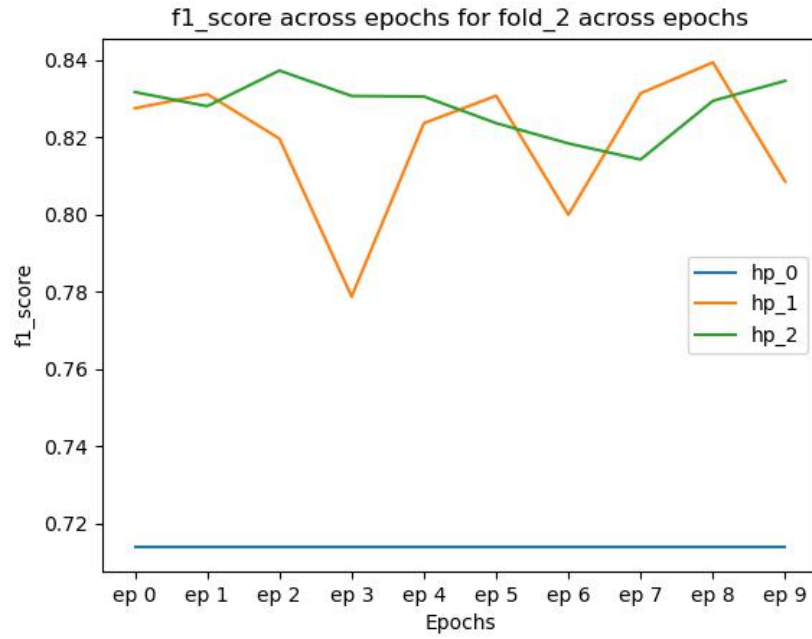
5.3 accuracy_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.555	0.555	0.555	0.555	0.555	0.555	0.555	0.555	0.555	0.555
hp_1	0.795	0.799	0.803	0.775	0.801	0.812	0.795	0.804	0.821	0.801
hp_2	0.799	0.795	0.812	0.795	0.806	0.801	0.788	0.797	0.806	0.812



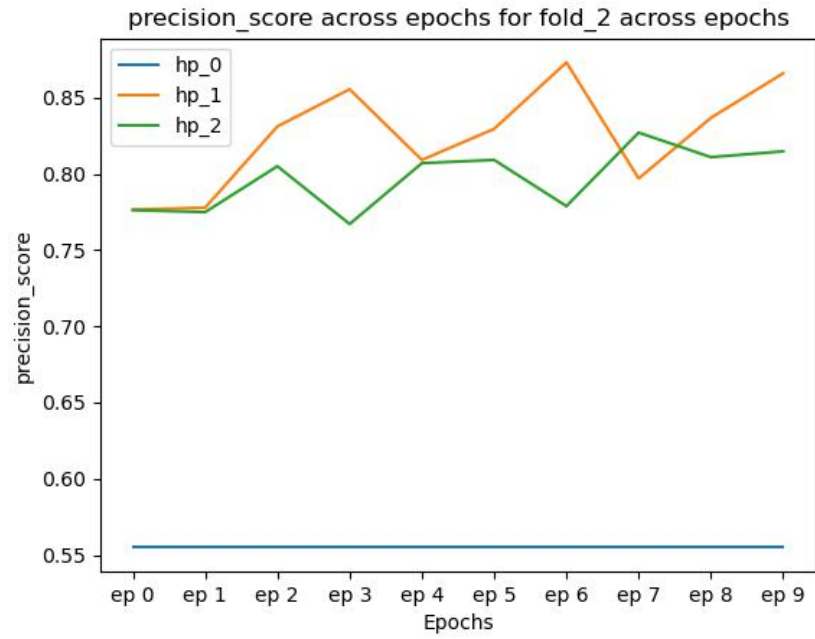
5.4 f1_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.714	0.714	0.714	0.714	0.714	0.714	0.714	0.714	0.714	0.714
hp_1	0.828	0.831	0.820	0.779	0.824	0.831	0.800	0.831	0.839	0.809
hp_2	0.832	0.828	0.837	0.831	0.831	0.824	0.818	0.814	0.830	0.835



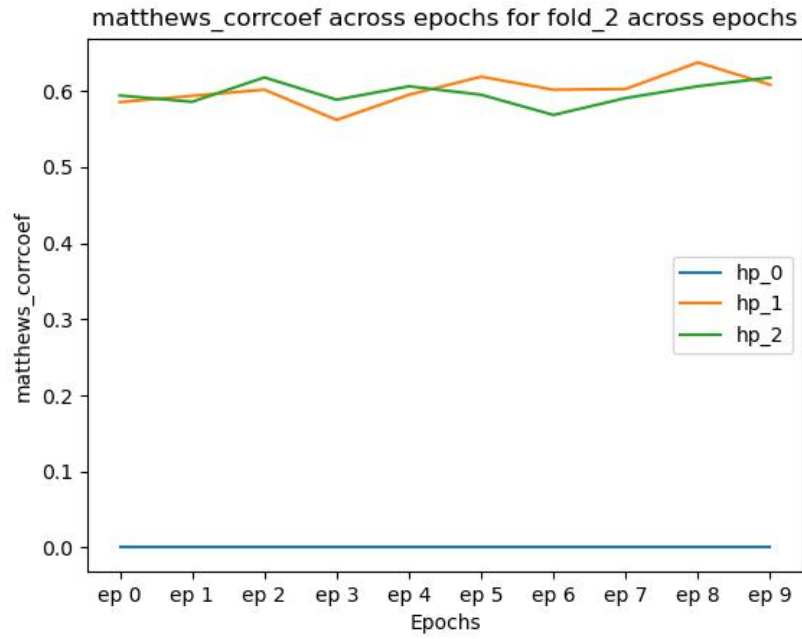
5.5 precision_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.555	0.555	0.555	0.555	0.555	0.555	0.555	0.555	0.555	0.555
hp_1	0.776	0.778	0.831	0.855	0.809	0.829	0.873	0.797	0.837	0.866
hp_2	0.776	0.775	0.805	0.767	0.807	0.809	0.779	0.827	0.811	0.815



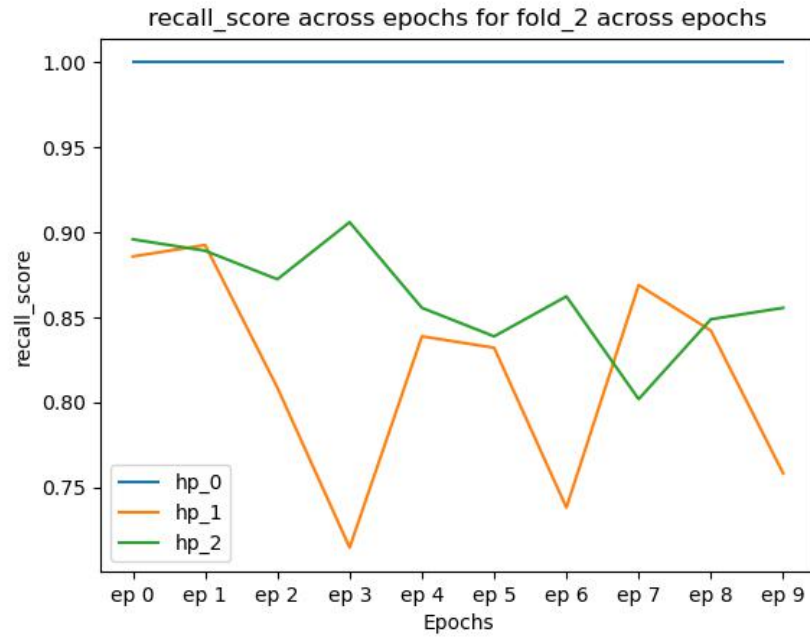
5.6 matthews_corrcoef

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
hp_1	0.586	0.594	0.602	0.562	0.595	0.619	0.602	0.603	0.638	0.608
hp_2	0.594	0.586	0.618	0.589	0.606	0.595	0.569	0.591	0.606	0.618



5.7 recall_score

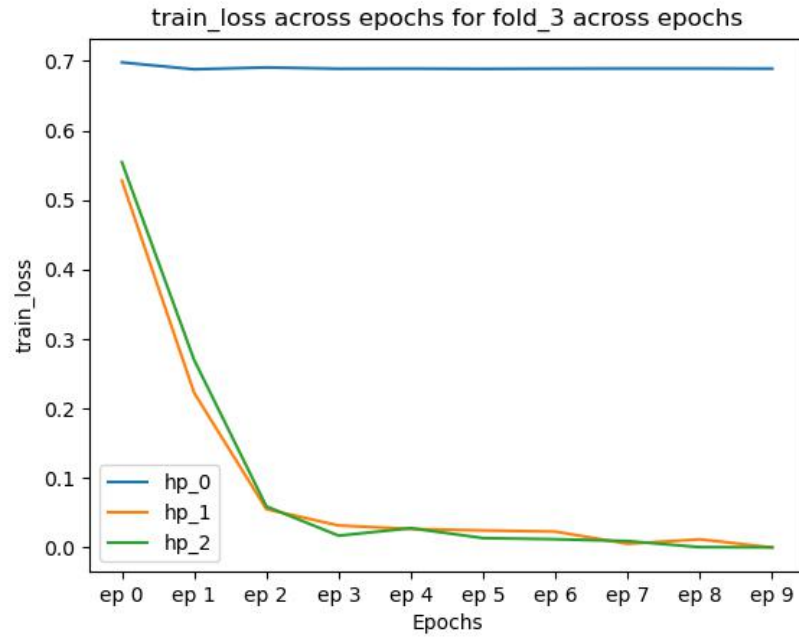
	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
hp_1	0.886	0.893	0.809	0.715	0.839	0.832	0.738	0.869	0.842	0.758
hp_2	0.896	0.889	0.872	0.906	0.856	0.839	0.862	0.802	0.849	0.856



6 fold_3

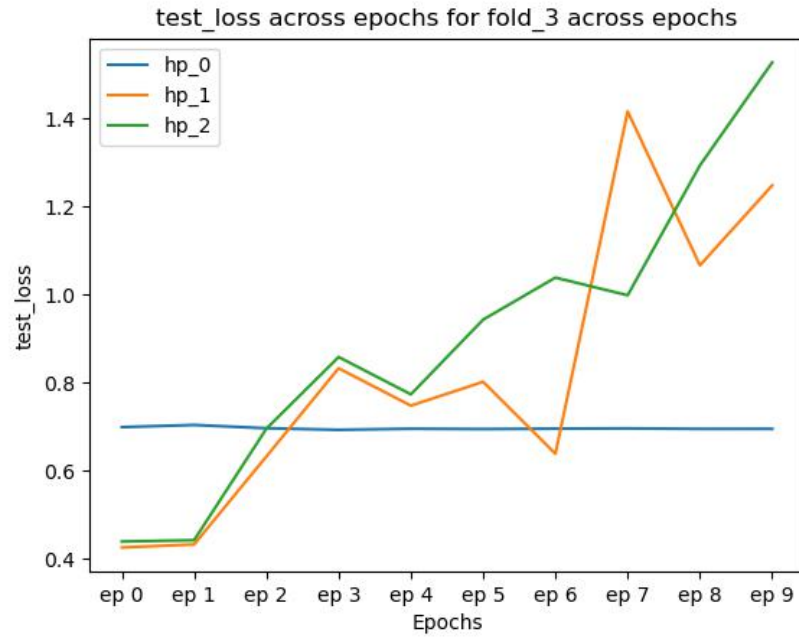
6.1 train_loss

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.698	0.688	0.691	0.689	0.689	0.689	0.689	0.689	0.689	0.689
hp_1	0.528	0.223	0.055	0.032	0.027	0.025	0.023	0.005	0.012	0.000
hp_2	0.555	0.270	0.059	0.017	0.028	0.014	0.012	0.009	0.001	0.000



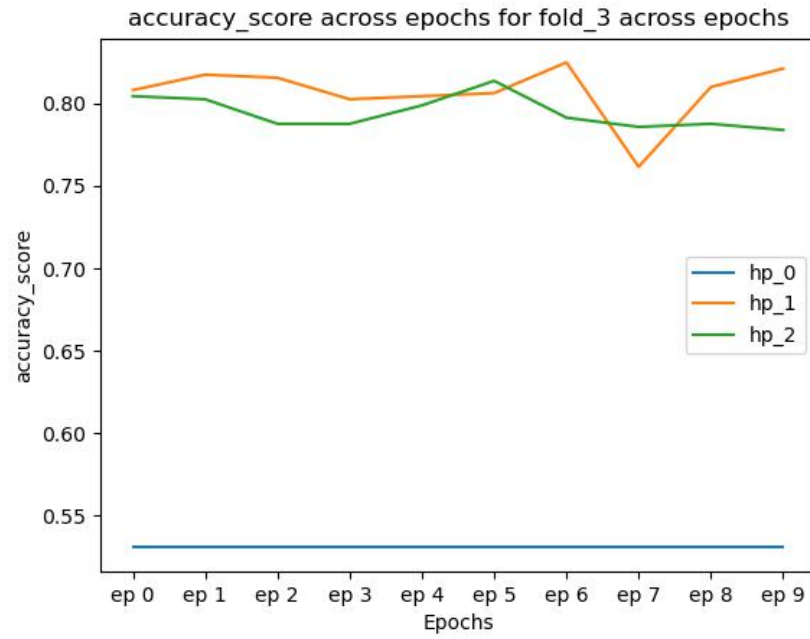
6.2 test_loss

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.699	0.704	0.697	0.693	0.695	0.695	0.696	0.696	0.695	0.695
hp_1	0.425	0.432	0.632	0.833	0.748	0.802	0.639	1.417	1.067	1.249
hp_2	0.439	0.442	0.696	0.858	0.774	0.943	1.039	0.999	1.294	1.528



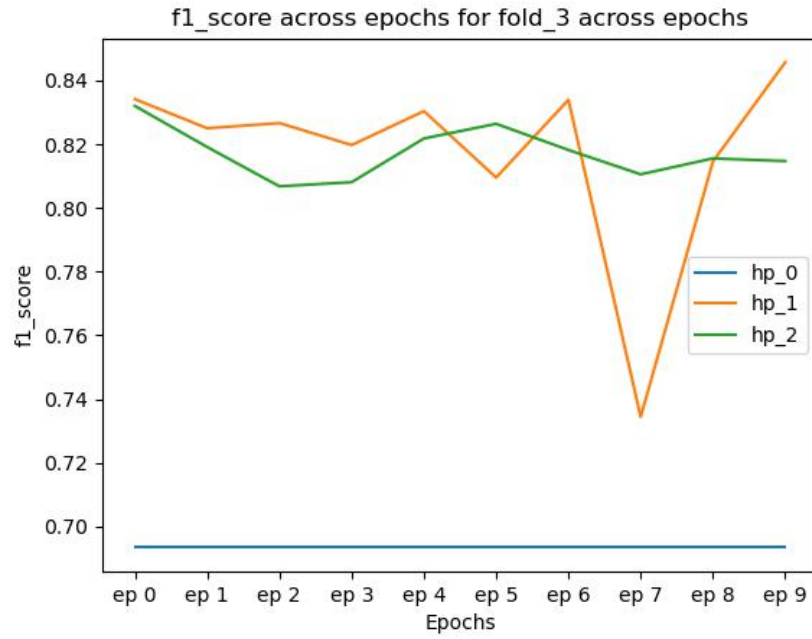
6.3 accuracy_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531
hp_1	0.808	0.818	0.816	0.803	0.804	0.806	0.825	0.762	0.810	0.821
hp_2	0.804	0.803	0.788	0.788	0.799	0.814	0.791	0.786	0.788	0.784



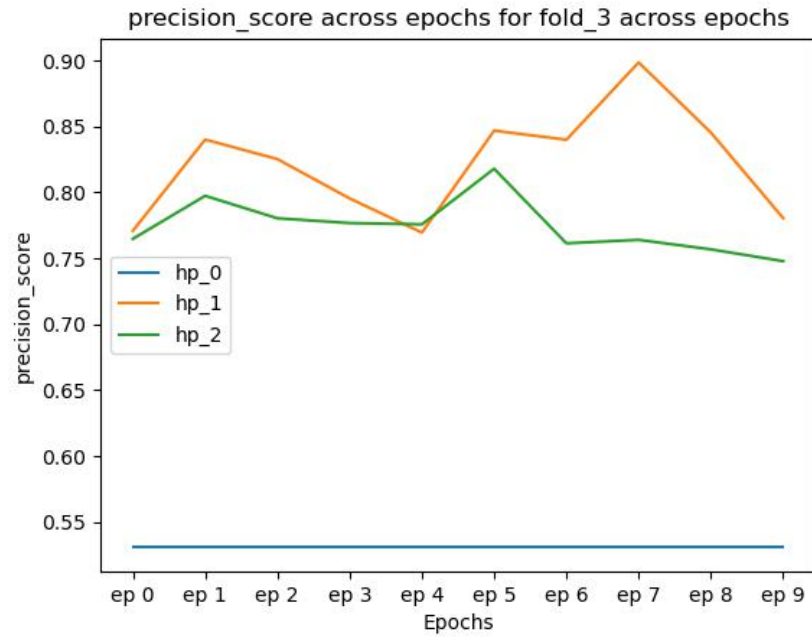
6.4 f1_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.693	0.693	0.693	0.693	0.693	0.693	0.693	0.693	0.693	0.693
hp_1	0.834	0.825	0.827	0.820	0.830	0.810	0.834	0.734	0.815	0.846
hp_2	0.832	0.819	0.807	0.808	0.822	0.826	0.818	0.811	0.816	0.815



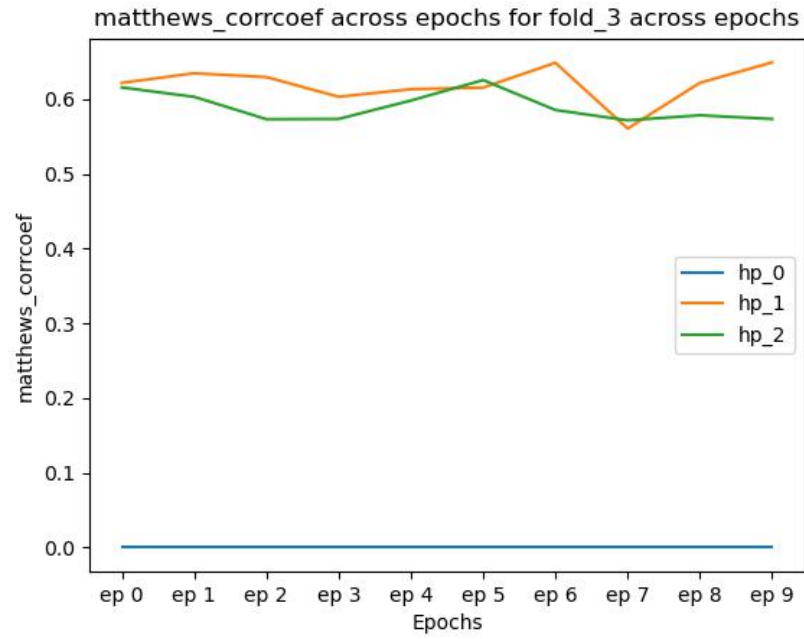
6.5 precision_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531
hp_1	0.771	0.840	0.825	0.795	0.769	0.847	0.840	0.898	0.845	0.780
hp_2	0.765	0.797	0.780	0.777	0.776	0.818	0.761	0.764	0.757	0.748



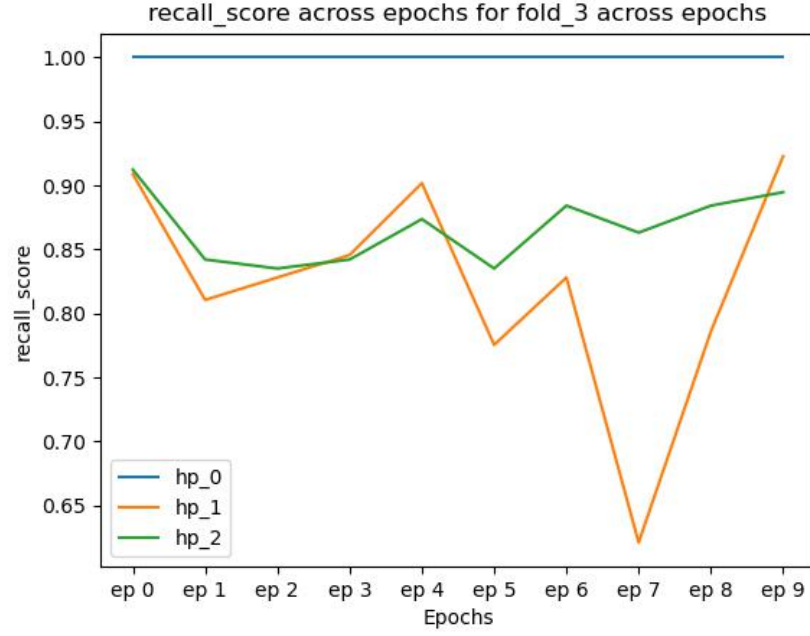
6.6 matthews_corrcoef

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
hp_1	0.622	0.635	0.630	0.603	0.614	0.616	0.649	0.561	0.622	0.649
hp_2	0.616	0.603	0.573	0.574	0.598	0.626	0.586	0.572	0.579	0.574



6.7 recall_score

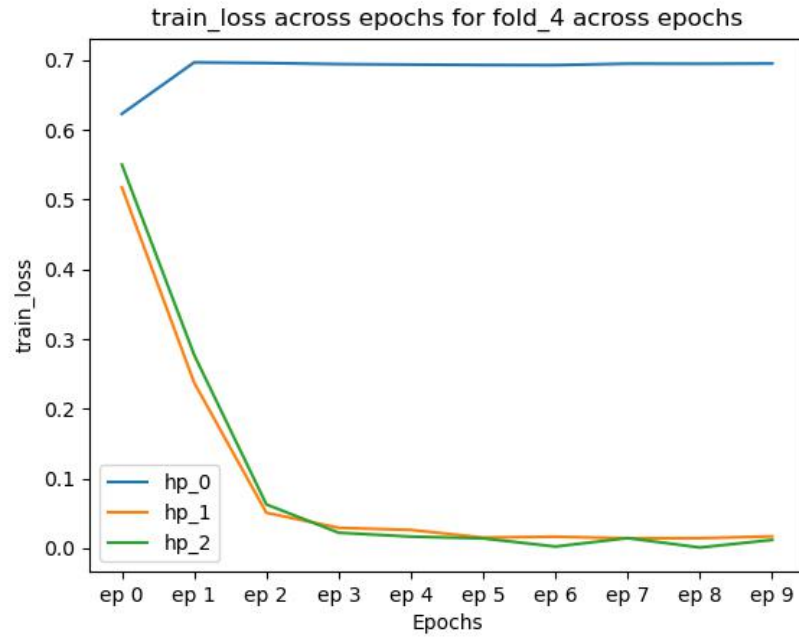
	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
hp_1	0.909	0.811	0.828	0.846	0.902	0.775	0.828	0.621	0.786	0.923
hp_2	0.912	0.842	0.835	0.842	0.874	0.835	0.884	0.863	0.884	0.895



7 fold_4

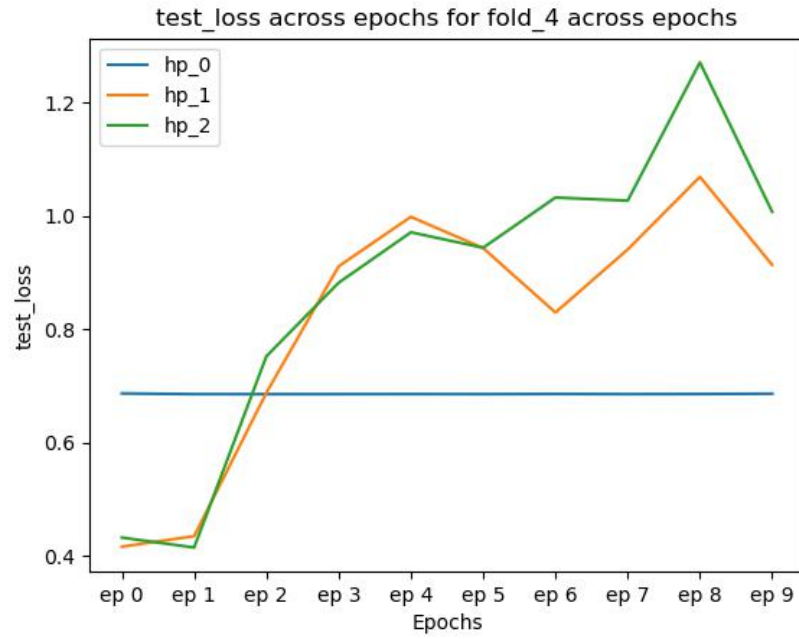
7.1 train_loss

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.623	0.697	0.696	0.694	0.694	0.693	0.693	0.695	0.695	0.695
hp_1	0.517	0.238	0.051	0.029	0.026	0.015	0.017	0.014	0.014	0.017
hp_2	0.550	0.277	0.063	0.022	0.017	0.014	0.002	0.015	0.001	0.012



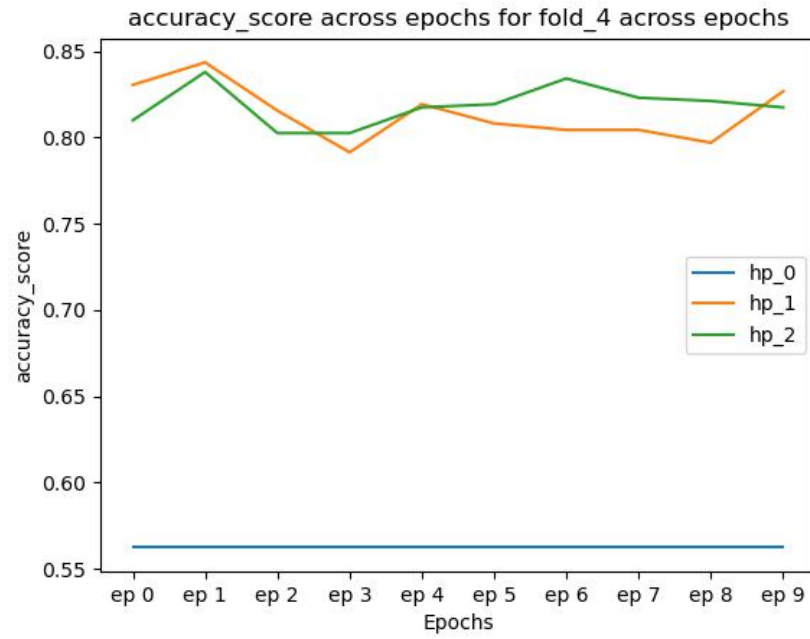
7.2 test_loss

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.687	0.685	0.685	0.685	0.685	0.685	0.686	0.685	0.686	0.686
hp_1	0.416	0.435	0.688	0.911	0.998	0.943	0.829	0.940	1.069	0.913
hp_2	0.432	0.415	0.752	0.882	0.971	0.944	1.032	1.027	1.270	1.007



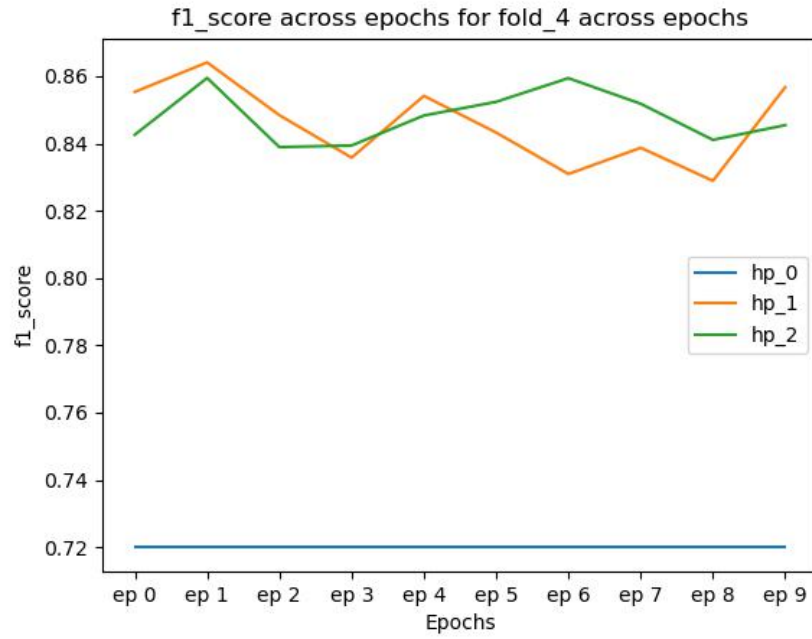
7.3 accuracy_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.562	0.562	0.562	0.562	0.562	0.562	0.562	0.562	0.562	0.562
hp_1	0.831	0.844	0.816	0.791	0.819	0.808	0.804	0.804	0.797	0.827
hp_2	0.810	0.838	0.803	0.803	0.818	0.819	0.834	0.823	0.821	0.818



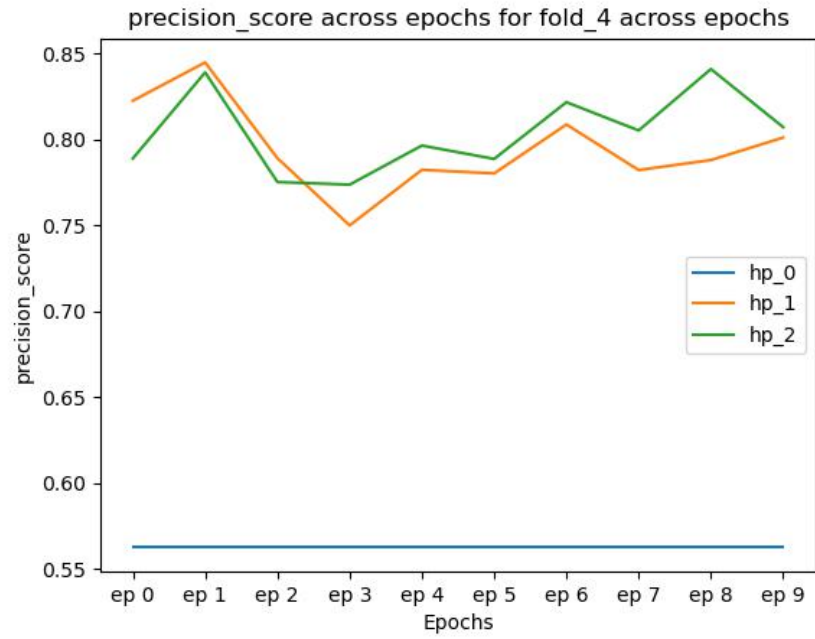
7.4 f1_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720
hp_1	0.855	0.864	0.848	0.836	0.854	0.843	0.831	0.839	0.829	0.857
hp_2	0.843	0.859	0.839	0.839	0.848	0.852	0.859	0.852	0.841	0.845



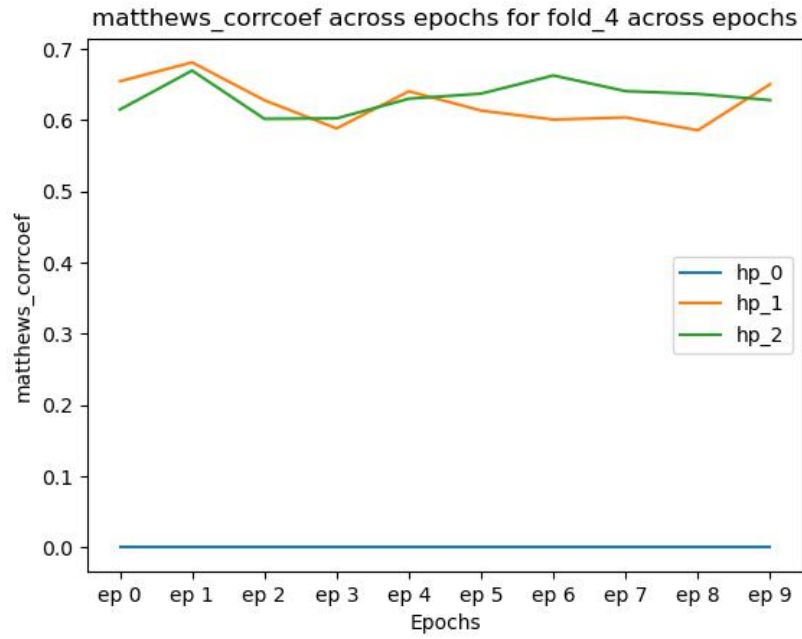
7.5 precision_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.562	0.562	0.562	0.562	0.562	0.562	0.562	0.562	0.562	0.562
hp_1	0.823	0.845	0.789	0.750	0.782	0.780	0.809	0.782	0.788	0.801
hp_2	0.789	0.839	0.775	0.774	0.797	0.789	0.822	0.805	0.841	0.807



7.6 matthews_corrcoef

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000
hp_1	0.655	0.681	0.628	0.588	0.64	0.613	0.601	0.604	0.586	0.650
hp_2	0.615	0.670	0.602	0.603	0.63	0.637	0.663	0.641	0.637	0.628



7.7 recall_score

	ep 0	ep 1	ep 2	ep 3	ep 4	ep 5	ep 6	ep 7	ep 8	ep 9
hp_0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
hp_1	0.891	0.884	0.917	0.944	0.940	0.917	0.854	0.904	0.874	0.921
hp_2	0.904	0.881	0.914	0.917	0.907	0.927	0.901	0.904	0.841	0.887

