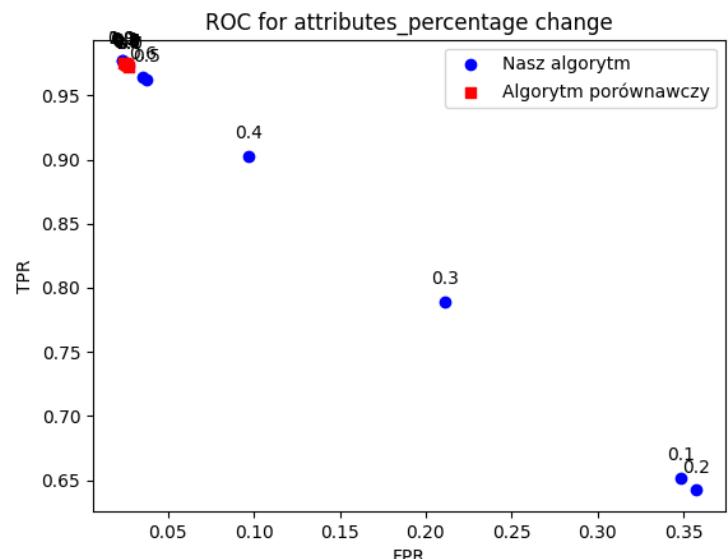
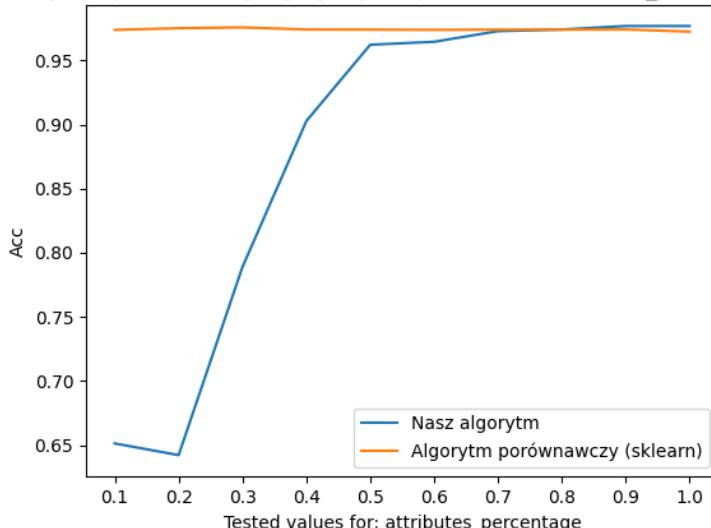


1.1.1 Wykres precyzji oraz wykres ROC dla zmiany parametru: attributes_percentage

Wykres porównawczy algorytmy dla parametru: attributes_percentage



1.1.1 Tablica naszego algorytmu dla zmiany parametru: attributes_percentage

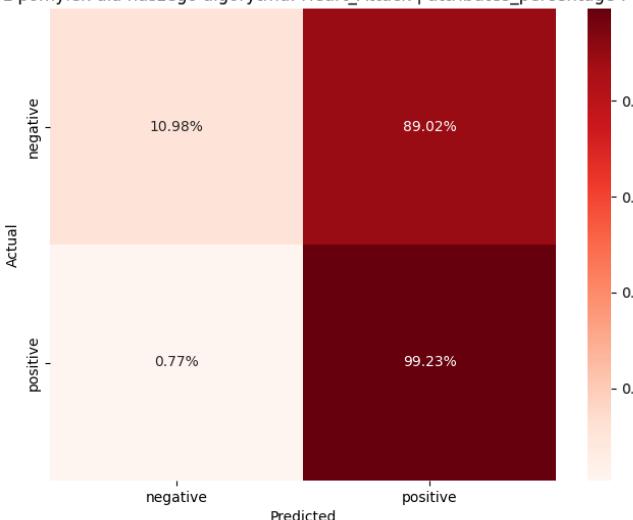
	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
0.1	687,8000	368,2000	368,2000	687,8000	0,6513	0,6513	0,6513	0,6513	0,3487	0,6513	0,3027	0,3487
0.2	678,2000	377,8000	377,8000	678,2000	0,6422	0,6422	0,6422	0,6422	0,3578	0,6422	0,2845	0,3578
0.3	833,2000	222,8000	222,8000	833,2000	0,7890	0,7890	0,7890	0,7890	0,2110	0,7890	0,5780	0,2110
0.4	953,4000	102,6000	102,6000	953,4000	0,9028	0,9028	0,9028	0,9028	0,0972	0,9028	0,8057	0,0972
0.5	1016,2000	39,8000	39,8000	1016,2000	0,9623	0,9623	0,9623	0,9623	0,0377	0,9623	0,9246	0,0377
0.6	1018,6000	37,4000	37,4000	1018,6000	0,9646	0,9646	0,9646	0,9646	0,0354	0,9646	0,9292	0,0354
0.7	1027,4000	28,6000	28,6000	1027,4000	0,9729	0,9729	0,9729	0,9729	0,0271	0,9729	0,9458	0,0271
0.8	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258
0.9	1031,6000	24,4000	24,4000	1031,6000	0,9769	0,9769	0,9769	0,9769	0,0231	0,9769	0,9538	0,0231
1.0	1031,6000	24,4000	24,4000	1031,6000	0,9769	0,9769	0,9769	0,9769	0,0231	0,9769	0,9538	0,0231

1.1.1 Tablica porównawczego algorytmu dla zmiany parametru: attributes_percentage

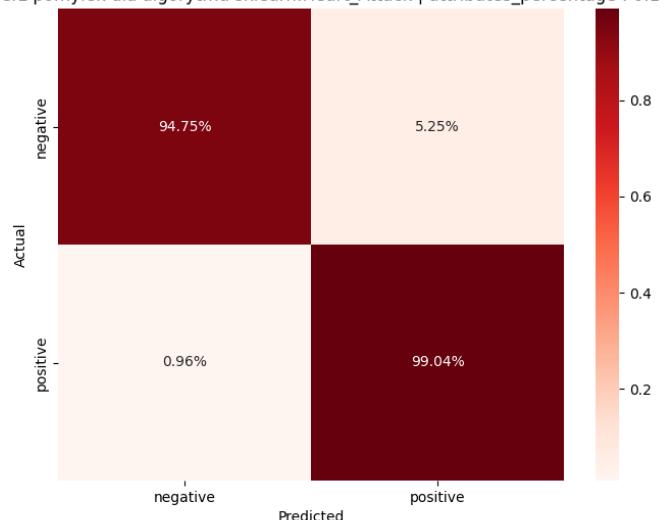
	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR	
0.1	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261	
0.2	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248	
0.3	1030,4000	25,6000	25,6000	1030,4000	0,9758	0,9758	0,9758	0,9758	0,0242	0,9758	0,9515	0,0242	
0.4	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258	
0.5	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259	
0.6	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261	
0.7	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259	
0.8	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259	
0.9	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258	
1.0	1027,0000	29,0000	29,0000	1027,0000	0,9725	0,9725	0,9725	0,9725	0,9725	0,0275	0,9725	0,9451	0,0275

1.2.1 Porównanie confusion matrix dla attributes_percentage = 0.1

Macierz pomyłek dla naszego algorytmu: Heart_Attack | attributes_percentage : 0.1



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | attributes_percentage : 0.1



1.2.1 Tablica naszego algorytmu dla attributes_percentage = 0.1

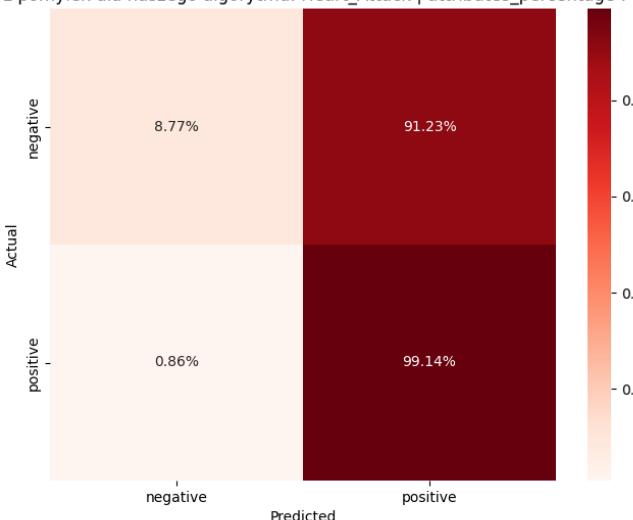
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	44,8000	363,2000	5,0000	643,0000	0,6513	0,1098	0,8996	0,9923	0,0077	0,1957	0,2345	0,0077
positive	643,0000	5,0000	363,2000	44,8000	0,6513	0,9923	0,6390	0,1098	0,8902	0,7774	0,2345	0,8902
overall	687,8000	368,2000	368,2000	687,8000	0,6513	0,6513	0,6513	0,6513	0,3487	0,6513	0,3027	0,3487

1.2.1 Tablica porównawczego algorytmu dla attributes_percentage = 0.1

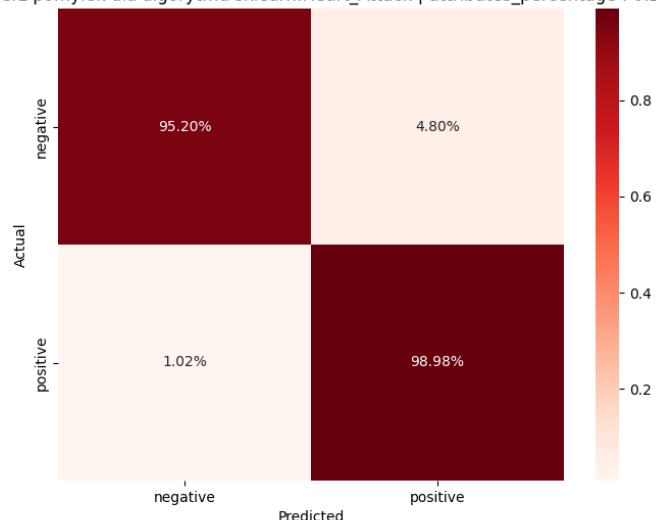
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	386,6000	21,4000	6,2000	641,8000	0,9739	0,9475	0,9842	0,9904	0,0096	0,9655	0,9449	0,0096
positive	641,8000	6,2000	21,4000	386,6000	0,9739	0,9904	0,9677	0,9475	0,0525	0,9789	0,9449	0,0525
overall	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261

1.3.1 Porównanie confusion matrix dla attributes_percentage = 0.2

Macierz pomyłek dla naszego algorytmu: Heart_Attack | attributes_percentage : 0.2



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | attributes_percentage : 0.2



1.3.1 Tablica naszego algorytmu dla attributes_percentage = 0.2

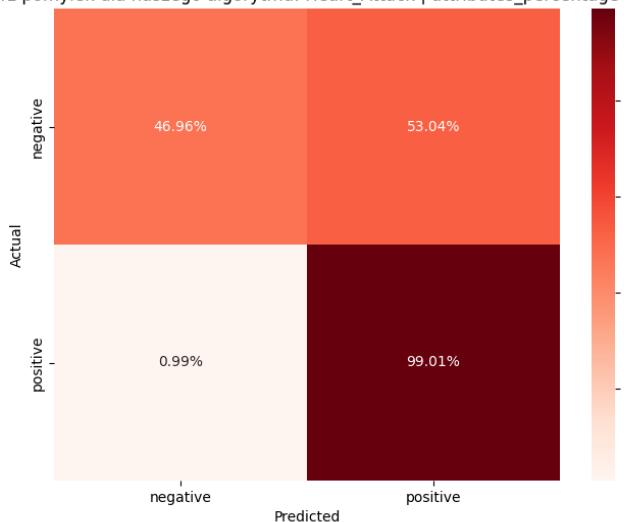
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	35,8000	372,2000	5,6000	642,4000	0,6422	0,0877	0,8647	0,9914	0,0086	0,1592	0,1985	0,0086
positive	642,4000	5,6000	372,2000	35,8000	0,6422	0,9914	0,6332	0,0877	0,9123	0,7728	0,1985	0,9123
overall	678,2000	377,8000	377,8000	678,2000	0,6422	0,6422	0,6422	0,6422	0,3578	0,6422	0,2845	0,3578

1.3.1 Tablica porównawczego algorytmu dla attributes_percentage = 0.2

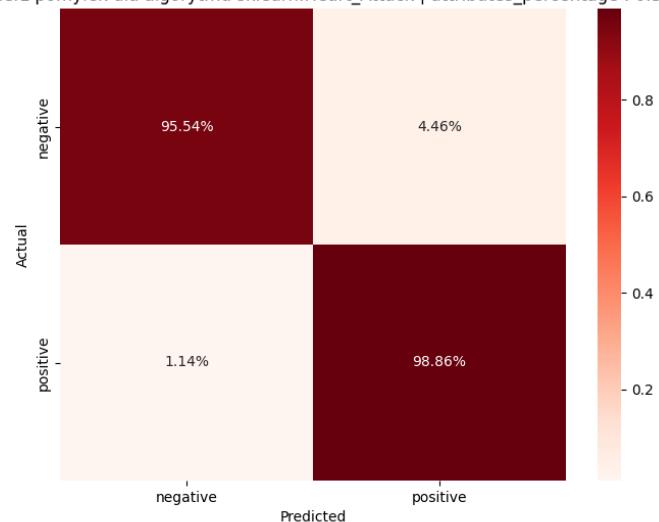
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,4000	19,6000	6,6000	641,4000	0,9752	0,9520	0,9833	0,9898	0,0102	0,9674	0,9477	0,0102
positive	641,4000	6,6000	19,6000	388,4000	0,9752	0,9898	0,9703	0,9520	0,0480	0,9800	0,9477	0,0480
overall	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248

1.4.1 Porównanie confusion matrix dla attributes_percentage = 0.3

Macierz pomyłek dla naszego algorytmu: Heart_Attack | attributes_percentage : 0.3



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | attributes_percentage : 0.3



1.4.1 Tablica naszego algorytmu dla attributes_percentage = 0.3

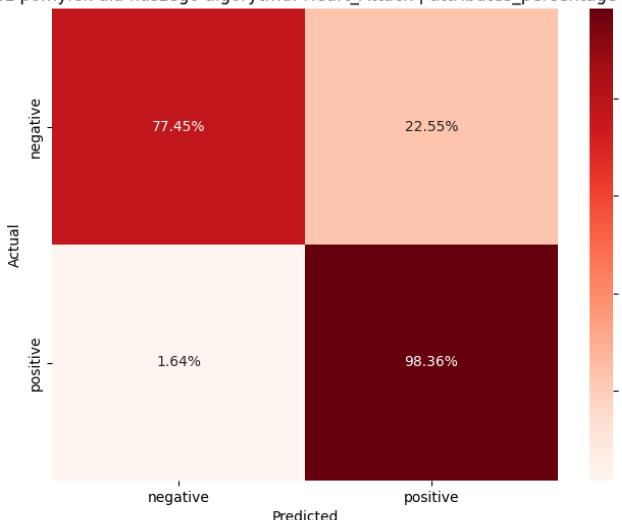
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	191,6000	216,4000	6,4000	641,6000	0,7890	0,4696	0,9677	0,9901	0,0099	0,6323	0,5735	0,0099
positive	641,6000	6,4000	216,4000	191,6000	0,7890	0,9901	0,7478	0,4696	0,5304	0,8521	0,5735	0,5304
overall	833,2000	222,8000	222,8000	833,2000	0,7890	0,7890	0,7890	0,7890	0,2110	0,7890	0,5780	0,2110

1.4.1 Tablica porównawczego algorytmu dla attributes_percentage = 0.3

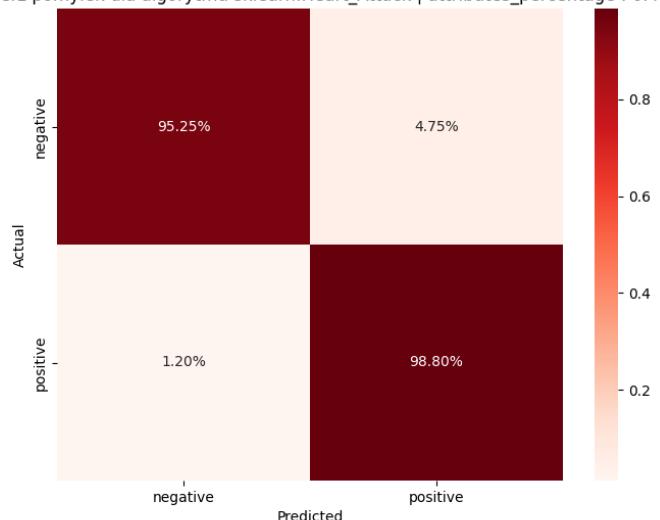
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	389,8000	18,2000	7,4000	640,6000	0,9758	0,9554	0,9814	0,9886	0,0114	0,9682	0,9488	0,0114
positive	640,6000	7,4000	18,2000	389,8000	0,9758	0,9886	0,9724	0,9554	0,0446	0,9804	0,9488	0,0446
overall	1030,4000	25,6000	25,6000	1030,4000	0,9758	0,9758	0,9758	0,9758	0,0242	0,9758	0,9515	0,0242

1.5.1 Porównanie confusion matrix dla attributes_percentage = 0.4

Macierz pomyłek dla naszego algorytmu: Heart_Attack | attributes_percentage : 0.4



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | attributes_percentage : 0.4



1.5.1 Tablica naszego algorytmu dla attributes_percentage = 0.4

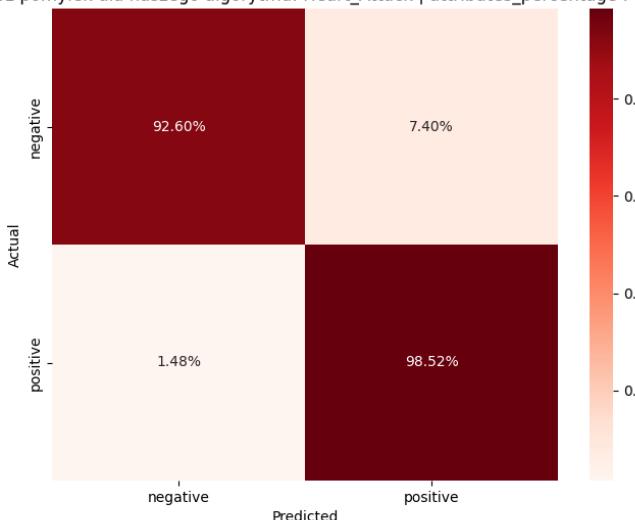
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	316,0000	92,0000	10,6000	637,4000	0,9028	0,7745	0,9675	0,9836	0,0164	0,8603	0,7987	0,0164
positive	637,4000	10,6000	92,0000	316,0000	0,9028	0,9836	0,8739	0,7745	0,2255	0,9255	0,7987	0,2255
overall	953,4000	102,6000	102,6000	953,4000	0,9028	0,9028	0,9028	0,9028	0,0972	0,9028	0,8057	0,0972

1.5.1 Tablica porównawczego algorytmu dla attributes_percentage = 0.4

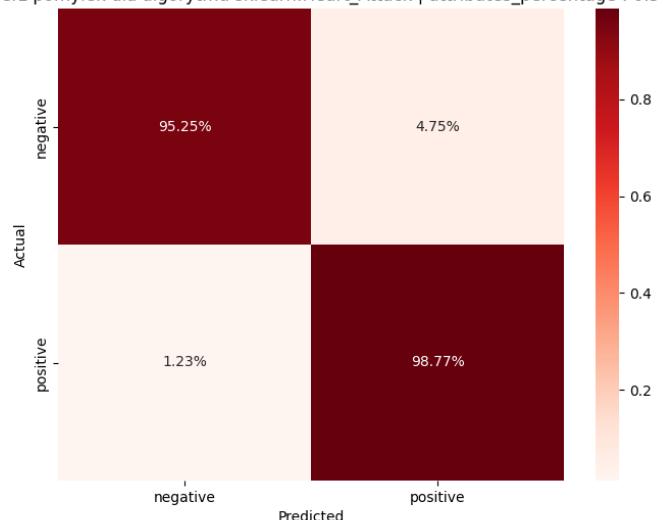
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,6000	19,4000	7,8000	640,2000	0,9742	0,9525	0,9803	0,9880	0,0120	0,9662	0,9456	0,0120
positive	640,2000	7,8000	19,4000	388,6000	0,9742	0,9880	0,9706	0,9525	0,0475	0,9792	0,9456	0,0475
overall	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258

1.6.1 Porównanie confusion matrix dla attributes_percentage = 0.5

Macierz pomyłek dla naszego algorytmu: Heart_Attack | attributes_percentage : 0.5



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | attributes_percentage : 0.5



1.6.1 Tablica naszego algorytmu dla attributes_percentage = 0.5

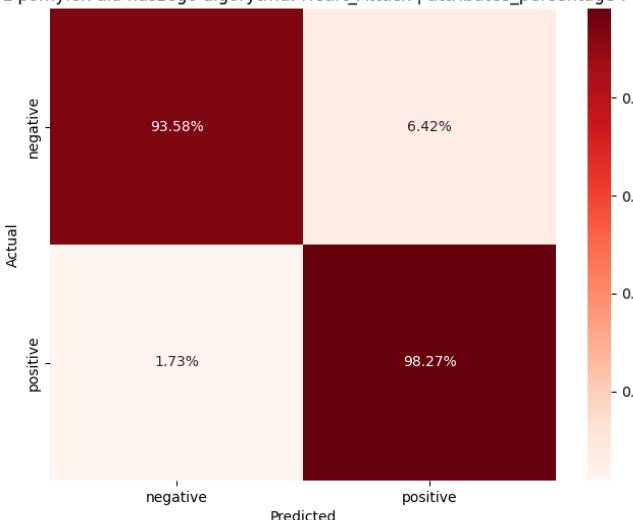
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	377,8000	30,2000	9,6000	638,4000	0,9623	0,9260	0,9752	0,9852	0,0148	0,9500	0,9206	0,0148
positive	638,4000	9,6000	30,2000	377,8000	0,9623	0,9852	0,9548	0,9260	0,0740	0,9698	0,9206	0,0740
overall	1016,2000	39,8000	39,8000	1016,2000	0,9623	0,9623	0,9623	0,9623	0,0377	0,9623	0,9246	0,0377

1.6.1 Tablica porównawczego algorytmu dla attributes_percentage = 0.5

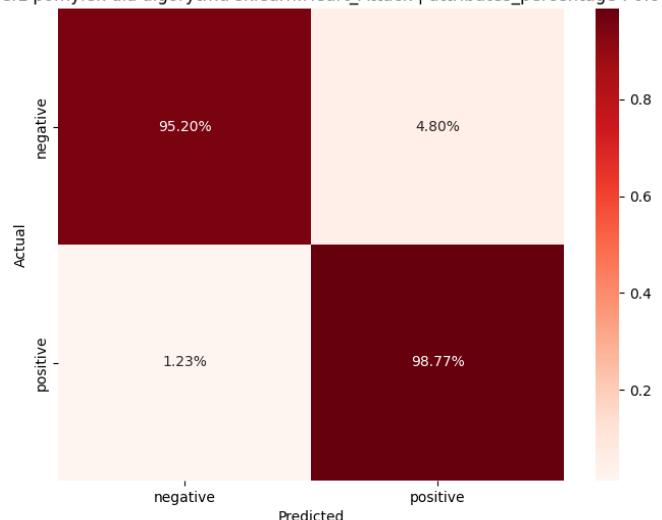
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,6000	19,4000	8,0000	640,0000	0,9741	0,9525	0,9798	0,9877	0,0123	0,9660	0,9452	0,0123
positive	640,0000	8,0000	19,4000	388,6000	0,9741	0,9877	0,9706	0,9525	0,0475	0,9791	0,9452	0,0475
overall	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259

1.7.1 Porównanie confusion matrix dla attributes_percentage = 0.6

Macierz pomyłek dla naszego algorytmu: Heart_Attack | attributes_percentage : 0.6



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | attributes_percentage : 0.6



1.7.1 Tablica naszego algorytmu dla attributes_percentage = 0.6

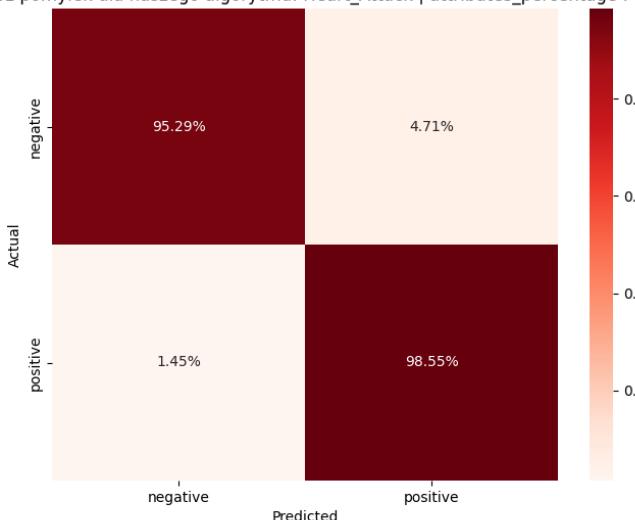
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	381,8000	26,2000	11,2000	636,8000	0,9646	0,9358	0,9715	0,9827	0,0173	0,9533	0,9252	0,0173
positive	636,8000	11,2000	26,2000	381,8000	0,9646	0,9827	0,9605	0,9358	0,0642	0,9715	0,9252	0,0642
overall	1018,6000	37,4000	37,4000	1018,6000	0,9646	0,9646	0,9646	0,9646	0,0354	0,9646	0,9292	0,0354

1.7.1 Tablica porównawczego algorytmu dla attributes_percentage = 0.6

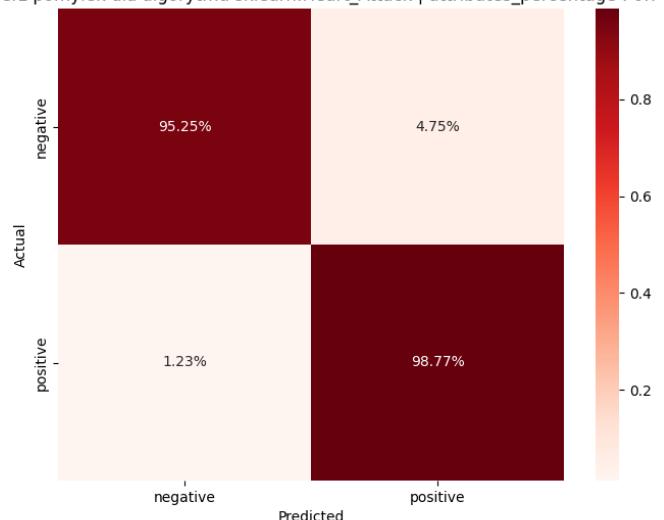
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,4000	19,6000	8,0000	640,0000	0,9739	0,9520	0,9798	0,9877	0,0123	0,9657	0,9448	0,0123
positive	640,0000	8,0000	19,6000	388,4000	0,9739	0,9877	0,9703	0,9520	0,0480	0,9789	0,9448	0,0480
overall	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261

1.8.1 Porównanie confusion matrix dla attributes_percentage = 0.7

Macierz pomyłek dla naszego algorytmu: Heart_Attack | attributes_percentage : 0.7



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | attributes_percentage : 0.7



1.8.1 Tablica naszego algorytmu dla attributes_percentage = 0.7

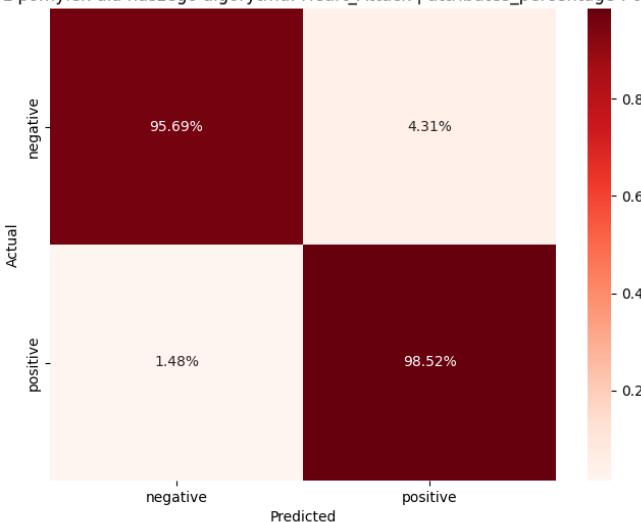
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,8000	19,2000	9,4000	638,6000	0,9729	0,9529	0,9764	0,9855	0,0145	0,9645	0,9428	0,0145
positive	638,6000	9,4000	19,2000	388,8000	0,9729	0,9855	0,9708	0,9529	0,0471	0,9781	0,9428	0,0471
overall	1027,4000	28,6000	28,6000	1027,4000	0,9729	0,9729	0,9729	0,9729	0,0271	0,9729	0,9458	0,0271

1.8.1 Tablica porównawczego algorytmu dla attributes_percentage = 0.7

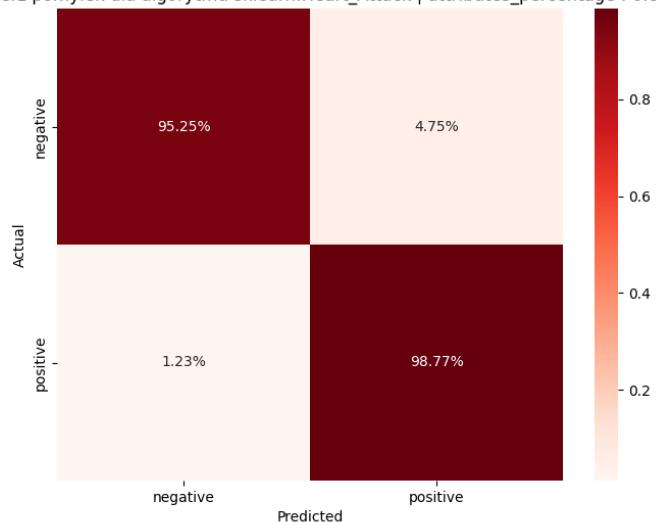
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,6000	19,4000	8,0000	640,0000	0,9741	0,9525	0,9798	0,9877	0,0123	0,9660	0,9452	0,0123
positive	640,0000	8,0000	19,4000	388,6000	0,9741	0,9877	0,9706	0,9525	0,0475	0,9791	0,9452	0,0475
overall	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259

1.9.1 Porównanie confusion matrix dla attributes_percentage = 0.8

Macierz pomyłek dla naszego algorytmu: Heart_Attack | attributes_percentage : 0.8



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | attributes_percentage : 0.8



1.9.1 Tablica naszego algorytmu dla attributes_percentage = 0.8

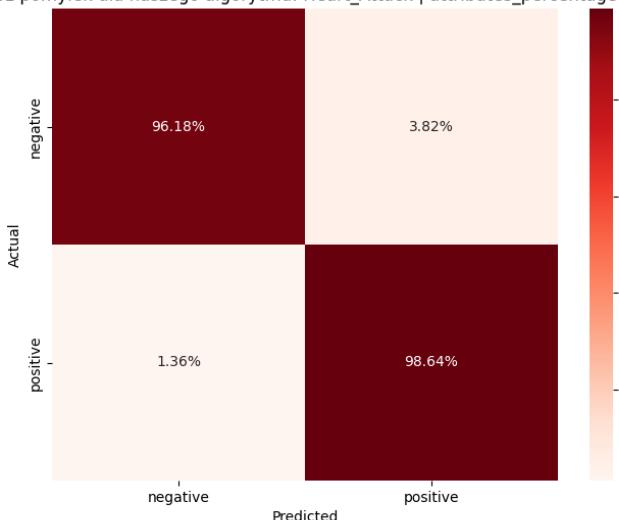
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	390,4000	17,6000	9,6000	638,4000	0,9742	0,9569	0,9760	0,9852	0,0148	0,9664	0,9456	0,0148
positive	638,4000	9,6000	17,6000	390,4000	0,9742	0,9852	0,9732	0,9569	0,0431	0,9792	0,9456	0,0431
overall	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258

1.9.1 Tablica porównawczego algorytmu dla attributes_percentage = 0.8

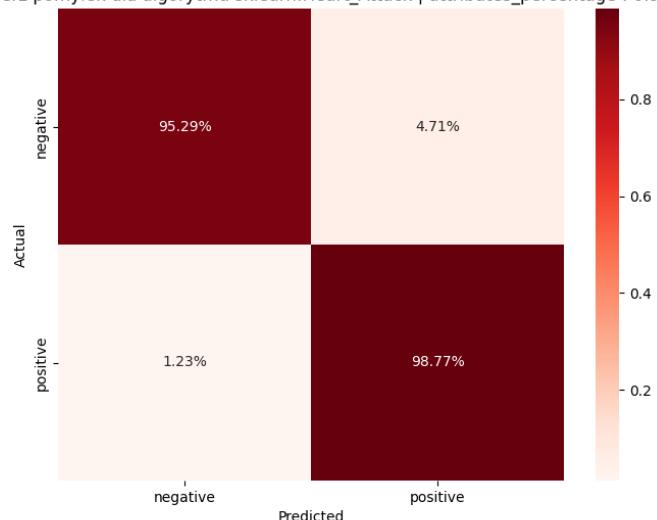
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,6000	19,4000	8,0000	640,0000	0,9741	0,9525	0,9798	0,9877	0,0123	0,9660	0,9452	0,0123
positive	640,0000	8,0000	19,4000	388,6000	0,9741	0,9877	0,9706	0,9525	0,0475	0,9791	0,9452	0,0475
overall	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259

1.10.1 Porównanie confusion matrix dla attributes_percentage = 0.9

Macierz pomyłek dla naszego algorytmu: Heart_Attack | attributes_percentage : 0.9



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | attributes_percentage : 0.9



1.10.1 Tablica naszego algorytmu dla attributes_percentage = 0.9

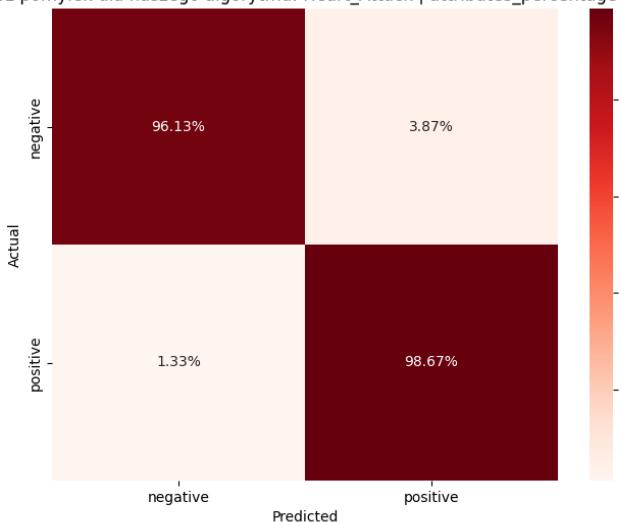
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,4000	15,6000	8,8000	639,2000	0,9769	0,9618	0,9781	0,9864	0,0136	0,9699	0,9512	0,0136
positive	639,2000	8,8000	15,6000	392,4000	0,9769	0,9864	0,9762	0,9618	0,0382	0,9813	0,9512	0,0382
overall	1031,6000	24,4000	24,4000	1031,6000	0,9769	0,9769	0,9769	0,9769	0,0231	0,9769	0,9538	0,0231

1.10.1 Tablica porównawczego algorytmu dla attributes_percentage = 0.9

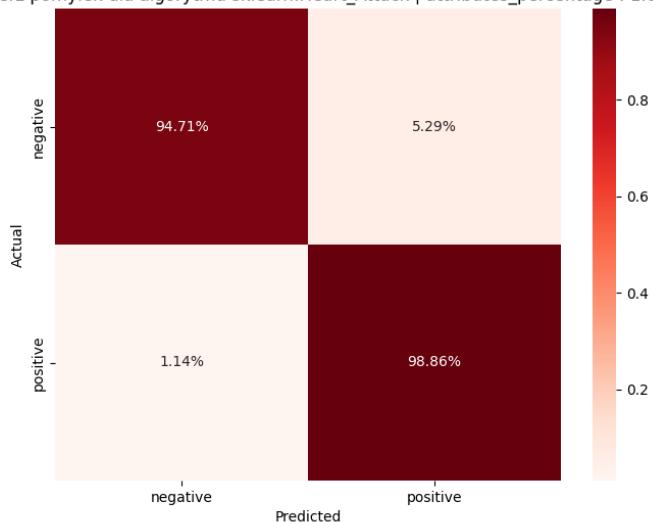
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,8000	19,2000	8,0000	640,0000	0,9742	0,9529	0,9798	0,9877	0,0123	0,9662	0,9456	0,0123
positive	640,0000	8,0000	19,2000	388,8000	0,9742	0,9877	0,9709	0,9529	0,0471	0,9792	0,9456	0,0471
overall	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258

1.11.1 Porównanie confusion matrix dla attributes_percentage = 1.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | attributes_percentage : 1.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | attributes_percentage : 1.0



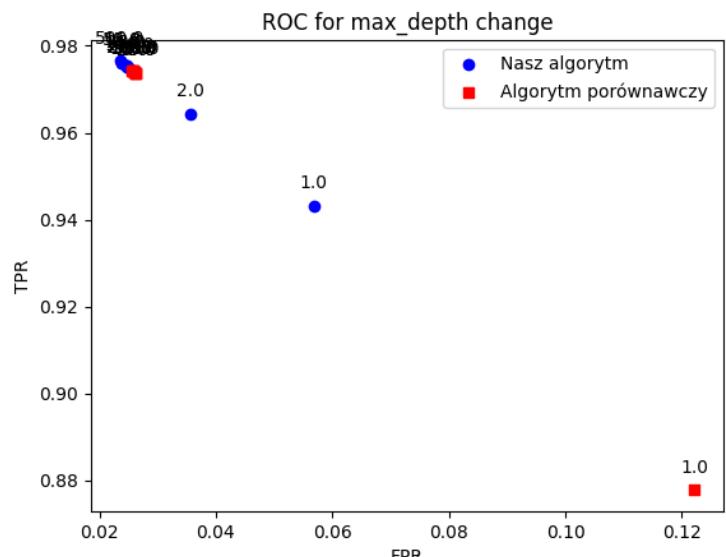
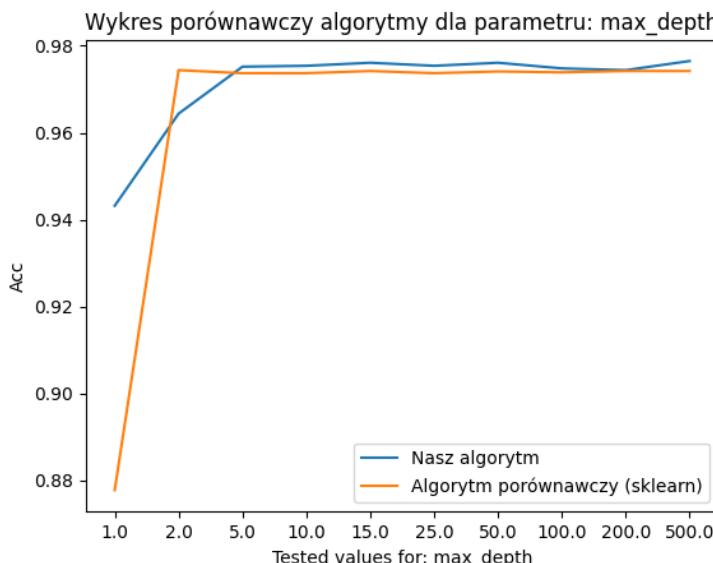
1.11.1 Tablica naszego algorytmu dla attributes_percentage = 1.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,2000	15,8000	8,6000	639,4000	0,9769	0,9613	0,9785	0,9867	0,0133	0,9698	0,9512	0,0133
positive	639,4000	8,6000	15,8000	392,2000	0,9769	0,9867	0,9759	0,9613	0,0387	0,9813	0,9512	0,0387
overall	1031,6000	24,4000	24,4000	1031,6000	0,9769	0,9769	0,9769	0,9769	0,0231	0,9769	0,9538	0,0231

1.11.1 Tablica porównawczego algorytmu dla attributes_percentage = 1.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	386,4000	21,6000	7,4000	640,6000	0,9725	0,9471	0,9812	0,9886	0,0114	0,9638	0,9421	0,0114
positive	640,6000	7,4000	21,6000	386,4000	0,9725	0,9886	0,9674	0,9471	0,0529	0,9779	0,9421	0,0529
overall	1027,0000	29,0000	29,0000	1027,0000	0,9725	0,9725	0,9725	0,9725	0,0275	0,9725	0,9451	0,0275

2.1.1 Wykres precyzji oraz wykres ROC dla zmiany parametru: max_depth



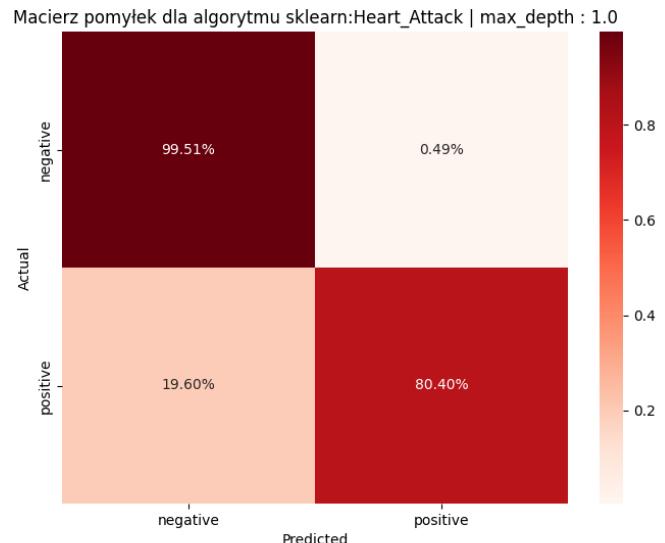
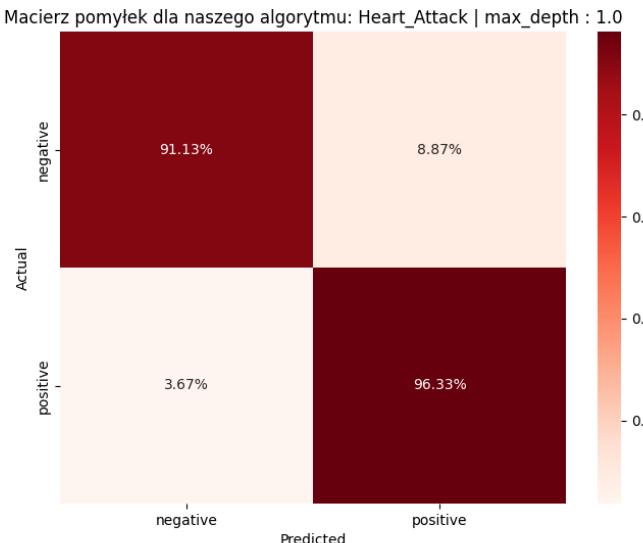
2.1.1 Tablica naszego algorytmu dla zmiany parametru: max_depth

	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
1.0	996,0000	60,0000	60,0000	996,0000	0,9432	0,9432	0,9432	0,9432	0,0568	0,9432	0,8864	0,0568
2.0	1018,4000	37,6000	37,6000	1018,4000	0,9644	0,9644	0,9644	0,9644	0,0356	0,9644	0,9288	0,0356
5.0	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248
10.0	1030,0000	26,0000	26,0000	1030,0000	0,9754	0,9754	0,9754	0,9754	0,0246	0,9754	0,9508	0,0246
15.0	1030,8000	25,2000	25,2000	1030,8000	0,9761	0,9761	0,9761	0,9761	0,0239	0,9761	0,9523	0,0239
25.0	1030,0000	26,0000	26,0000	1030,0000	0,9754	0,9754	0,9754	0,9754	0,0246	0,9754	0,9508	0,0246
50.0	1030,8000	25,2000	25,2000	1030,8000	0,9761	0,9761	0,9761	0,9761	0,0239	0,9761	0,9523	0,0239
100.0	1029,4000	26,6000	26,6000	1029,4000	0,9748	0,9748	0,9748	0,9748	0,0252	0,9748	0,9496	0,0252
200.0	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256
500.0	1031,2000	24,8000	24,8000	1031,2000	0,9765	0,9765	0,9765	0,9765	0,0235	0,9765	0,9530	0,0235

2.1.1 Tablica porównawczego algorytmu dla zmiany parametru: max_depth

	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
1.0	927,0000	129,0000	129,0000	927,0000	0,8778	0,8778	0,8778	0,8778	0,1222	0,8778	0,7557	0,1222
2.0	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256
5.0	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263
10.0	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263
15.0	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258
25.0	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263
50.0	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259
100.0	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261
200.0	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258
500.0	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258

2.2.1 Porównanie confusion matrix dla max_depth = 1.0



2.2.1 Tablica naszego algorytmu dla max_depth = 1.0

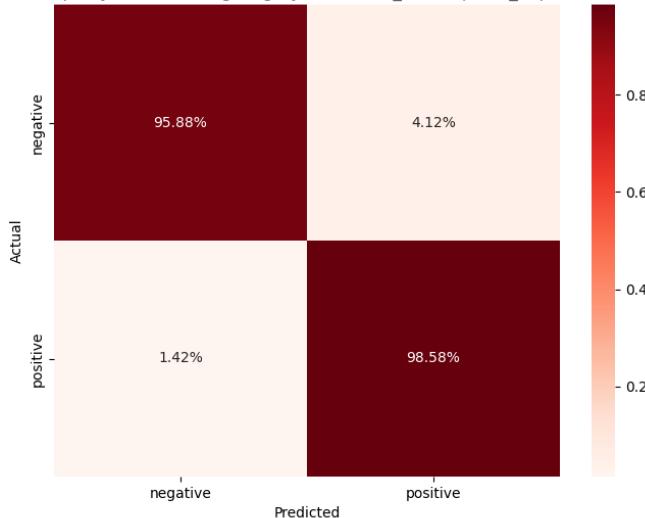
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	371,8000	36,2000	23,8000	624,2000	0,9432	0,9113	0,9398	0,9633	0,0367	0,9253	0,8798	0,0367
positive	624,2000	23,8000	36,2000	371,8000	0,9432	0,9633	0,9452	0,9113	0,0887	0,9542	0,8798	0,0887
overall	996,0000	60,0000	60,0000	996,0000	0,9432	0,9432	0,9432	0,9432	0,0568	0,9432	0,8864	0,0568

2.2.1 Tablica porównawczego algorytmu dla max_depth = 1.0

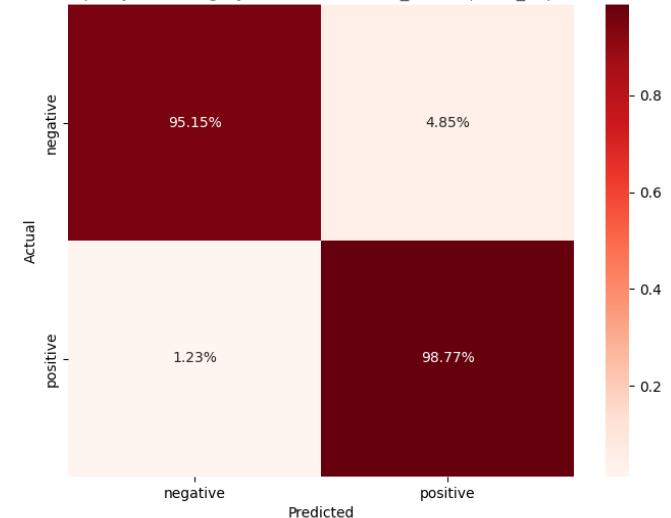
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	406,0000	2,0000	127,0000	521,0000	0,8778	0,9951	0,7617	0,8040	0,1960	0,8629	0,7782	0,1960
positive	521,0000	127,0000	2,0000	406,0000	0,8778	0,8040	0,9962	0,9951	0,0049	0,8898	0,7782	0,0049
overall	927,0000	129,0000	129,0000	927,0000	0,8778	0,8778	0,8778	0,8778	0,1222	0,8778	0,7557	0,1222

2.3.1 Porównanie confusion matrix dla max_depth = 10.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | max_depth : 10.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | max_depth : 10.0



2.3.1 Tablica naszego algorytmu dla max_depth = 10.0

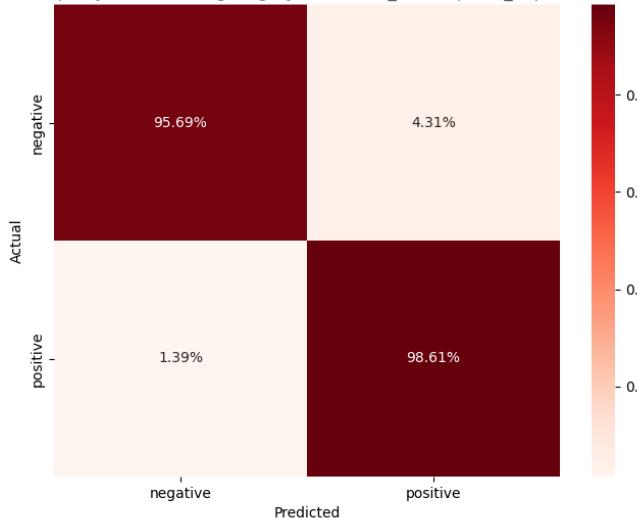
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	391,2000	16,8000	9,2000	638,8000	0,9754	0,9588	0,9770	0,9858	0,0142	0,9678	0,9480	0,0142
positive	638,8000	9,2000	16,8000	391,2000	0,9754	0,9858	0,9744	0,9588	0,0412	0,9801	0,9480	0,0412
overall	1030,0000	26,0000	26,0000	1030,0000	0,9754	0,9754	0,9754	0,9754	0,0246	0,9754	0,9508	0,0246

2.3.1 Tablica porównawczego algorytmu dla max_depth = 10.0

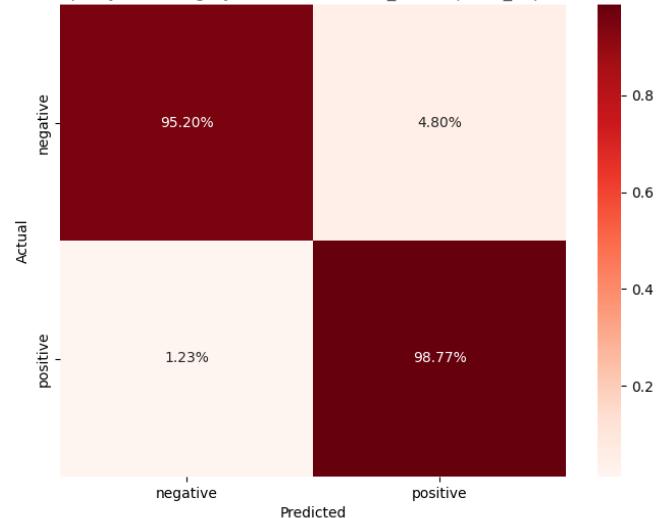
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,2000	19,8000	8,0000	640,0000	0,9737	0,9515	0,9798	0,9877	0,0123	0,9654	0,9444	0,0123
positive	640,0000	8,0000	19,8000	388,2000	0,9737	0,9877	0,9700	0,9515	0,0485	0,9788	0,9444	0,0485
overall	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263

2.4.1 Porównanie confusion matrix dla max_depth = 100.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | max_depth : 100.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | max_depth : 100.0



2.4.1 Tablica naszego algorytmu dla max_depth = 100.0

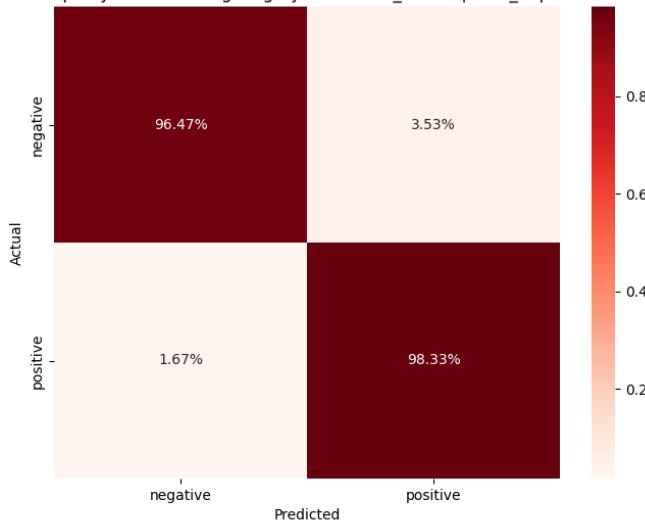
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	390,4000	17,6000	9,0000	639,0000	0,9748	0,9569	0,9775	0,9861	0,0139	0,9671	0,9468	0,0139
positive	639,0000	9,0000	17,6000	390,4000	0,9748	0,9861	0,9732	0,9569	0,0431	0,9796	0,9468	0,0431
overall	1029,4000	26,6000	26,6000	1029,4000	0,9748	0,9748	0,9748	0,9748	0,0252	0,9748	0,9496	0,0252

2.4.1 Tablica porównawczego algorytmu dla max_depth = 100.0

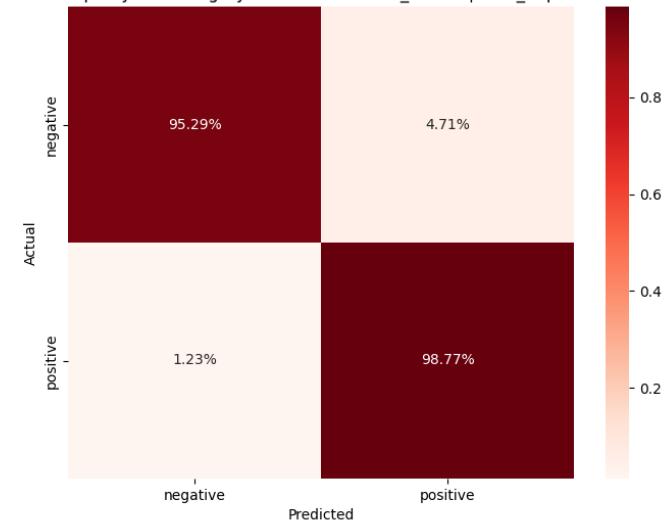
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,4000	19,6000	8,0000	640,0000	0,9739	0,9520	0,9798	0,9877	0,0123	0,9657	0,9448	0,0123
positive	640,0000	8,0000	19,6000	388,4000	0,9739	0,9877	0,9703	0,9520	0,0480	0,9789	0,9448	0,0480
overall	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261

2.5.1 Porównanie confusion matrix dla max_depth = 15.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | max_depth : 15.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | max_depth : 15.0



2.5.1 Tablica naszego algorytmu dla max_depth = 15.0

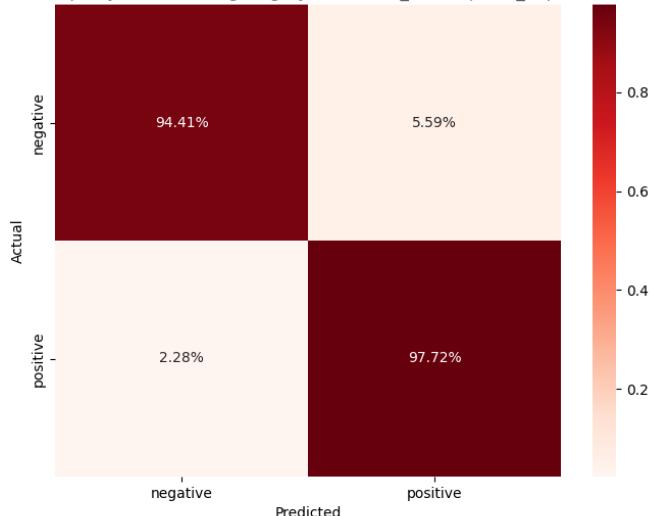
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	393,6000	14,4000	10,8000	637,2000	0,9761	0,9647	0,9733	0,9833	0,0167	0,9690	0,9496	0,0167
positive	637,2000	10,8000	14,4000	393,6000	0,9761	0,9833	0,9779	0,9647	0,0353	0,9806	0,9496	0,0353
overall	1030,8000	25,2000	25,2000	1030,8000	0,9761	0,9761	0,9761	0,9761	0,0239	0,9761	0,9523	0,0239

2.5.1 Tablica porównawczego algorytmu dla max_depth = 15.0

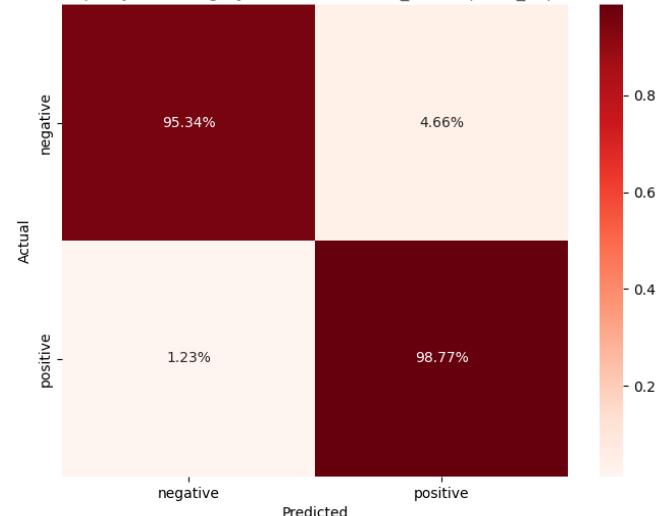
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,8000	19,2000	8,0000	640,0000	0,9742	0,9529	0,9798	0,9877	0,0123	0,9662	0,9456	0,0123
positive	640,0000	8,0000	19,2000	388,8000	0,9742	0,9877	0,9709	0,9529	0,0471	0,9792	0,9456	0,0471
overall	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258

2.6.1 Porównanie confusion matrix dla max_depth = 2.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | max_depth : 2.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | max_depth : 2.0



2.6.1 Tablica naszego algorytmu dla max_depth = 2.0

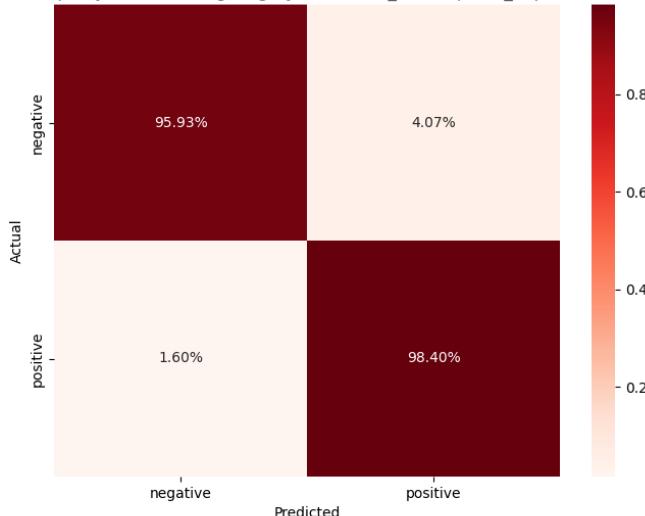
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	385,2000	22,8000	14,8000	633,2000	0,9644	0,9441	0,9630	0,9772	0,0228	0,9535	0,9248	0,0228
positive	633,2000	14,8000	22,8000	385,2000	0,9644	0,9772	0,9652	0,9441	0,0559	0,9712	0,9248	0,0559
overall	1018,4000	37,6000	37,6000	1018,4000	0,9644	0,9644	0,9644	0,9644	0,0356	0,9644	0,9288	0,0356

2.6.1 Tablica porównawczego algorytmu dla max_depth = 2.0

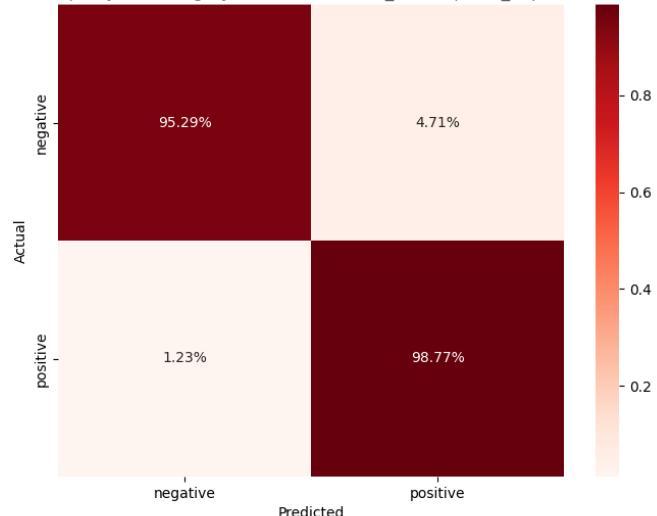
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	389,0000	19,0000	8,0000	640,0000	0,9744	0,9534	0,9798	0,9877	0,0123	0,9664	0,9460	0,0123
positive	640,0000	8,0000	19,0000	389,0000	0,9744	0,9877	0,9712	0,9534	0,0466	0,9794	0,9460	0,0466
overall	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256

2.7.1 Porównanie confusion matrix dla max_depth = 200.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | max_depth : 200.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | max_depth : 200.0



2.7.1 Tablica naszego algorytmu dla max_depth = 200.0

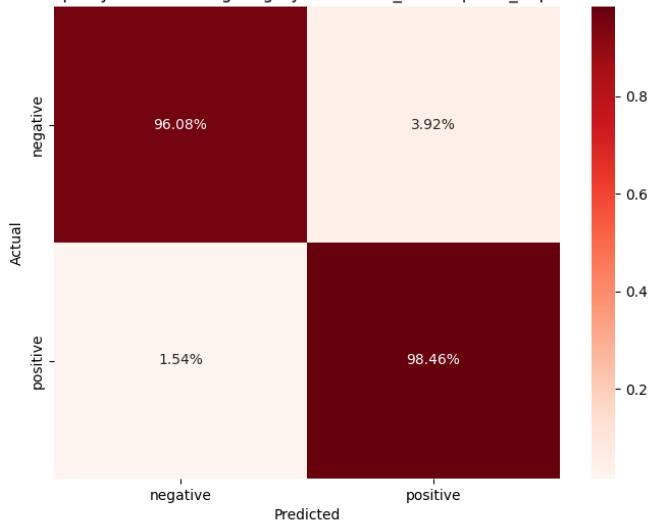
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	391,4000	16,6000	10,4000	637,6000	0,9744	0,9593	0,9741	0,9840	0,0160	0,9666	0,9460	0,0160
positive	637,6000	10,4000	16,6000	391,4000	0,9744	0,9840	0,9746	0,9593	0,0407	0,9793	0,9460	0,0407
overall	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256

2.7.1 Tablica porównawczego algorytmu dla max_depth = 200.0

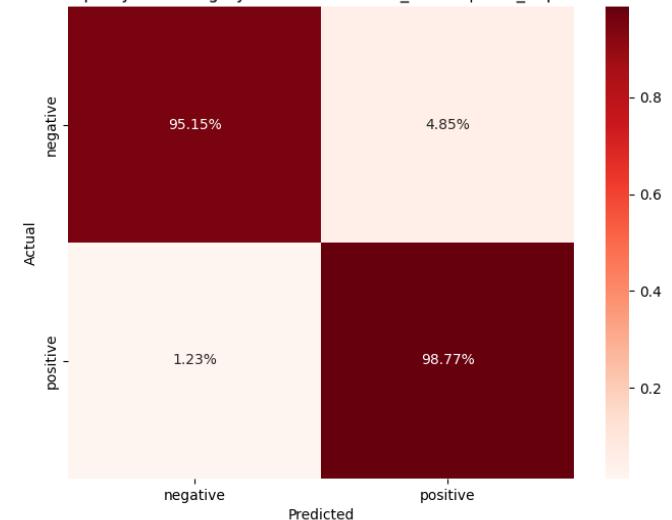
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,8000	19,2000	8,0000	640,0000	0,9742	0,9529	0,9798	0,9877	0,0123	0,9662	0,9456	0,0123
positive	640,0000	8,0000	19,2000	388,8000	0,9742	0,9877	0,9709	0,9529	0,0471	0,9792	0,9456	0,0471
overall	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258

2.8.1 Porównanie confusion matrix dla max_depth = 25.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | max_depth : 25.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | max_depth : 25.0



2.8.1 Tablica naszego algorytmu dla max_depth = 25.0

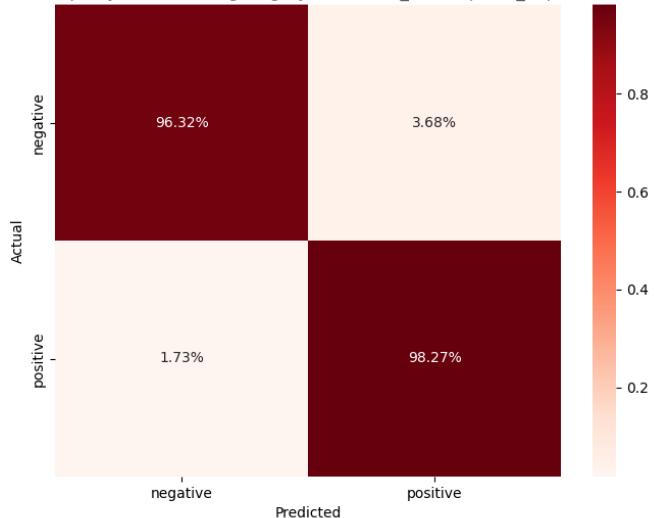
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,0000	16,0000	10,0000	638,0000	0,9754	0,9608	0,9751	0,9846	0,0154	0,9679	0,9480	0,0154
positive	638,0000	10,0000	16,0000	392,0000	0,9754	0,9846	0,9755	0,9608	0,0392	0,9800	0,9480	0,0392
overall	1030,0000	26,0000	26,0000	1030,0000	0,9754	0,9754	0,9754	0,9754	0,0246	0,9754	0,9508	0,0246

2.8.1 Tablica porównawczego algorytmu dla max_depth = 25.0

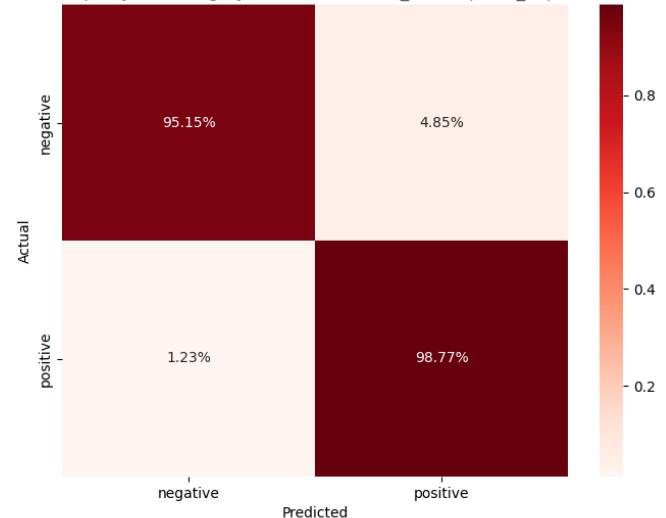
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,2000	19,8000	8,0000	640,0000	0,9737	0,9515	0,9798	0,9877	0,0123	0,9654	0,9444	0,0123
positive	640,0000	8,0000	19,8000	388,2000	0,9737	0,9877	0,9700	0,9515	0,0485	0,9788	0,9444	0,0485
overall	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263

2.9.1 Porównanie confusion matrix dla max_depth = 5.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | max_depth : 5.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | max_depth : 5.0



2.9.1 Tablica naszego algorytmu dla max_depth = 5.0

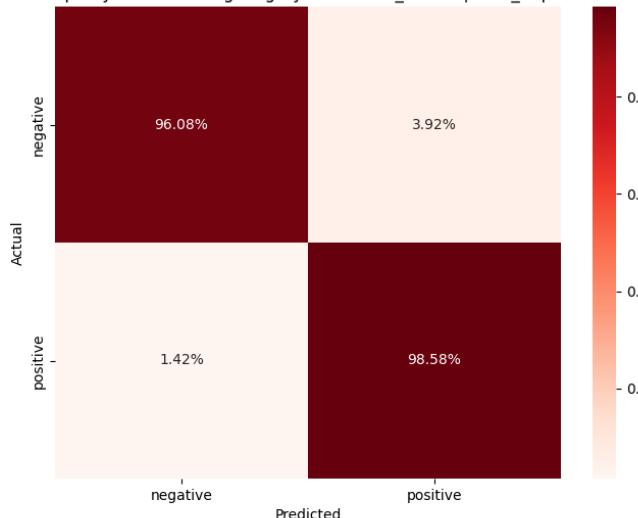
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	393,0000	15,0000	11,2000	636,8000	0,9752	0,9632	0,9723	0,9827	0,0173	0,9677	0,9476	0,0173
positive	636,8000	11,2000	15,0000	393,0000	0,9752	0,9827	0,9770	0,9632	0,0368	0,9798	0,9476	0,0368
overall	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248

2.9.1 Tablica porównawczego algorytmu dla max_depth = 5.0

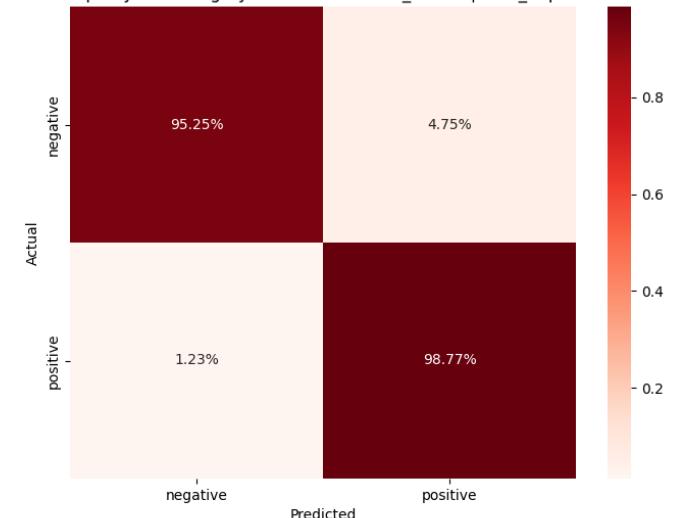
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,2000	19,8000	8,0000	640,0000	0,9737	0,9515	0,9798	0,9877	0,0123	0,9654	0,9444	0,0123
positive	640,0000	8,0000	19,8000	388,2000	0,9737	0,9877	0,9700	0,9515	0,0485	0,9788	0,9444	0,0485
overall	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263

2.10.1 Porównanie confusion matrix dla max_depth = 50.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | max_depth : 50.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | max_depth : 50.0



2.10.1 Tablica naszego algorytmu dla max_depth = 50.0

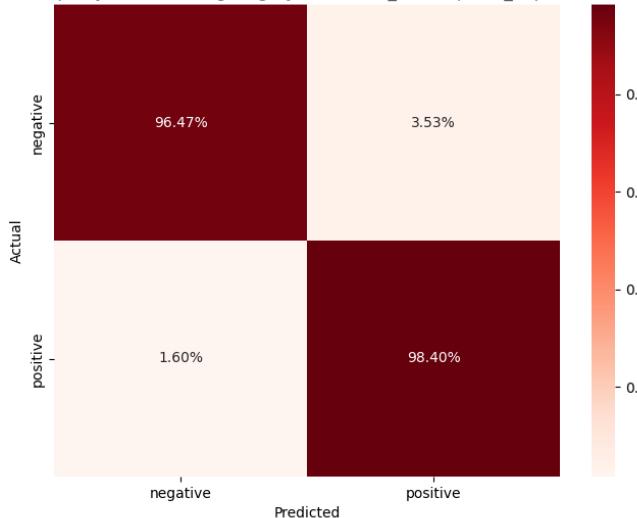
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,0000	16,0000	9,2000	638,8000	0,9761	0,9608	0,9771	0,9858	0,0142	0,9689	0,9496	0,0142
positive	638,8000	9,2000	16,0000	392,0000	0,9761	0,9858	0,9756	0,9608	0,0392	0,9807	0,9496	0,0392
overall	1030,8000	25,2000	25,2000	1030,8000	0,9761	0,9761	0,9761	0,9761	0,0239	0,9761	0,9523	0,0239

2.10.1 Tablica porównawczego algorytmu dla max_depth = 50.0

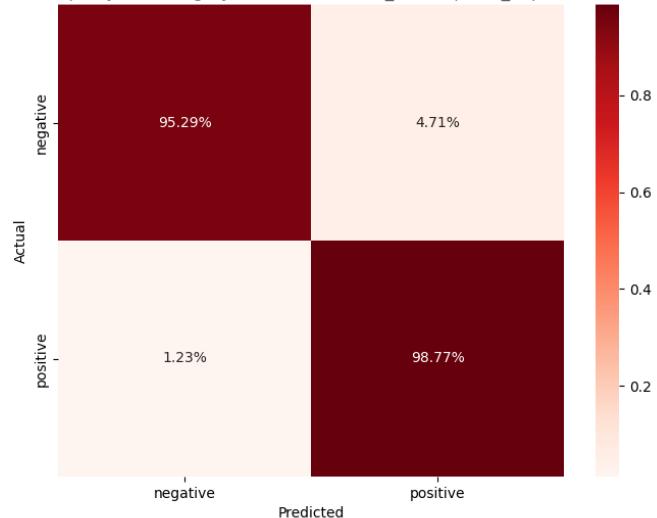
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,6000	19,4000	8,0000	640,0000	0,9741	0,9525	0,9798	0,9877	0,0123	0,9660	0,9452	0,0123
positive	640,0000	8,0000	19,4000	388,6000	0,9741	0,9877	0,9706	0,9525	0,0475	0,9791	0,9452	0,0475
overall	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259

2.11.1 Porównanie confusion matrix dla max_depth = 500.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | max_depth : 500.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | max_depth : 500.0



2.11.1 Tablica naszego algorytmu dla max_depth = 500.0

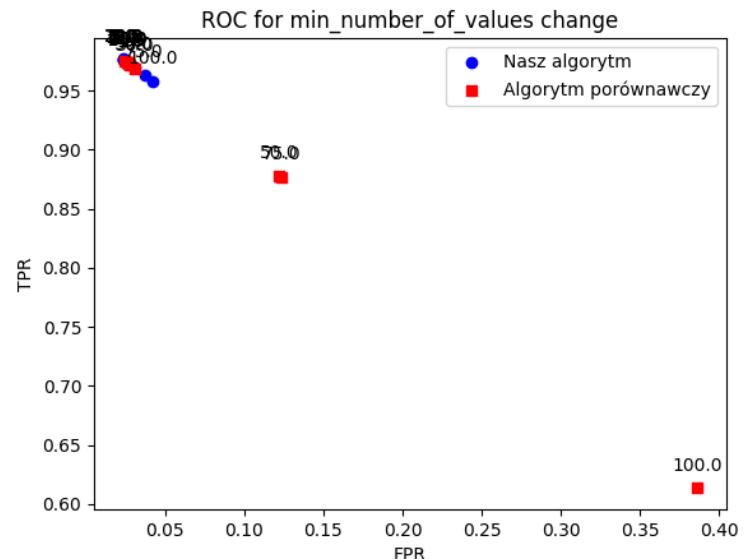
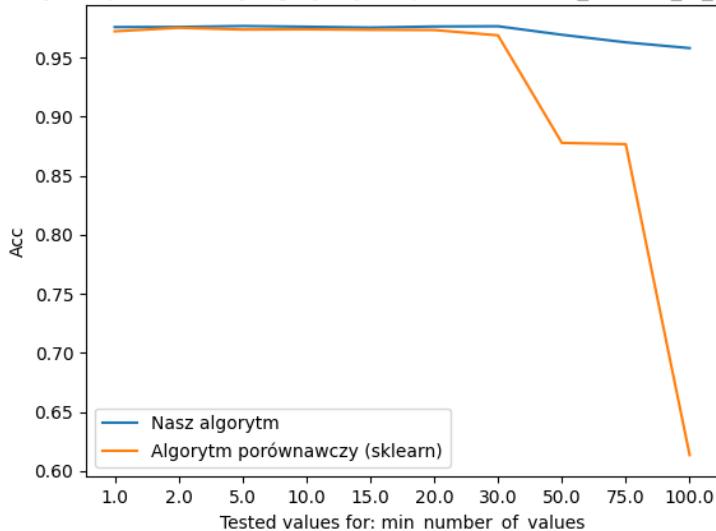
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	393,6000	14,4000	10,4000	637,6000	0,9765	0,9647	0,9743	0,9840	0,0160	0,9695	0,9504	0,0160
positive	637,6000	10,4000	14,4000	393,6000	0,9765	0,9840	0,9779	0,9647	0,0353	0,9809	0,9504	0,0353
overall	1031,2000	24,8000	24,8000	1031,2000	0,9765	0,9765	0,9765	0,9765	0,0235	0,9765	0,9530	0,0235

2.11.1 Tablica porównawczego algorytmu dla max_depth = 500.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,8000	19,2000	8,0000	640,0000	0,9742	0,9529	0,9798	0,9877	0,0123	0,9662	0,9456	0,0123
positive	640,0000	8,0000	19,2000	388,8000	0,9742	0,9877	0,9709	0,9529	0,0471	0,9792	0,9456	0,0471
overall	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258

3.1.1 Wykres precyzji oraz wykres ROC dla zmiany parametru: min_number_of_values

Wykres porównawczy algorytmu dla parametru: min_number_of_values



3.1.1 Tablica naszego algorytmu dla zmiany parametru: min_number_of_values

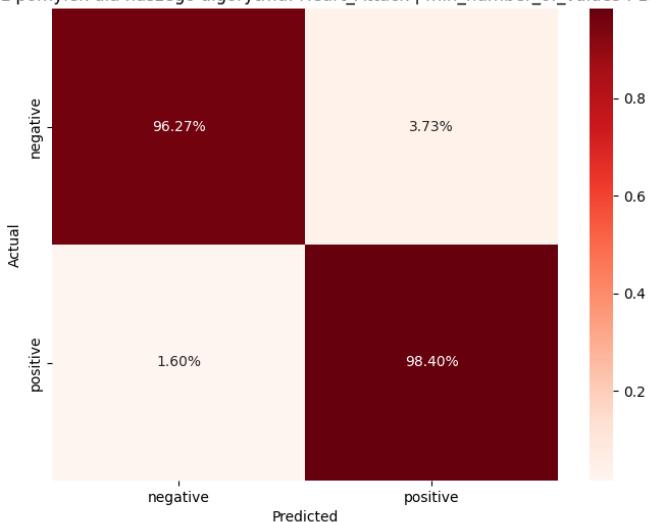
	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
1.0	1030,4000	25,6000	25,6000	1030,4000	0,9758	0,9758	0,9758	0,9758	0,0242	0,9758	0,9515	0,0242
2.0	1030,6000	25,4000	25,4000	1030,6000	0,9759	0,9759	0,9759	0,9759	0,0241	0,9759	0,9519	0,0241
5.0	1031,4000	24,6000	24,6000	1031,4000	0,9767	0,9767	0,9767	0,9767	0,0233	0,9767	0,9534	0,0233
10.0	1030,8000	25,2000	25,2000	1030,8000	0,9761	0,9761	0,9761	0,9761	0,0239	0,9761	0,9523	0,0239
15.0	1030,0000	26,0000	26,0000	1030,0000	0,9754	0,9754	0,9754	0,9754	0,0246	0,9754	0,9508	0,0246
20.0	1031,0000	25,0000	25,0000	1031,0000	0,9763	0,9763	0,9763	0,9763	0,0237	0,9763	0,9527	0,0237
30.0	1031,2000	24,8000	24,8000	1031,2000	0,9765	0,9765	0,9765	0,9765	0,0235	0,9765	0,9530	0,0235
50.0	1023,6000	32,4000	32,4000	1023,6000	0,9693	0,9693	0,9693	0,9693	0,0307	0,9693	0,9386	0,0307
75.0	1016,8000	39,2000	39,2000	1016,8000	0,9629	0,9629	0,9629	0,9629	0,0371	0,9629	0,9258	0,0371
100.0	1011,6000	44,4000	44,4000	1011,6000	0,9580	0,9580	0,9580	0,9580	0,0420	0,9580	0,9159	0,0420

3.1.1 Tablica porównawczego algorytmu dla zmiany parametru: min_number_of_values

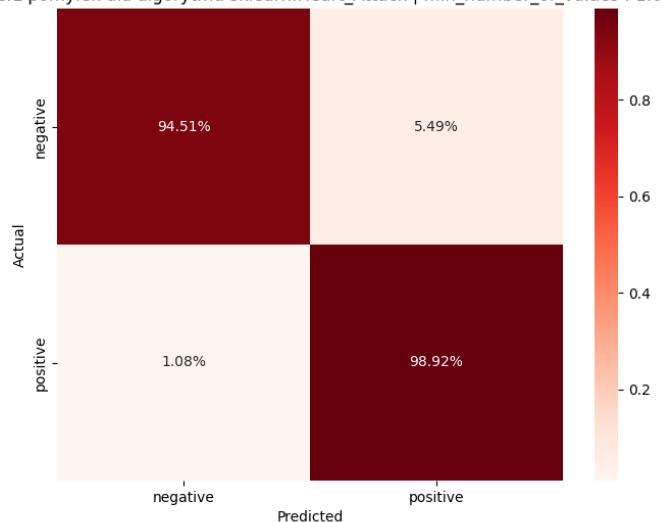
	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
1.0	1026,6000	29,4000	29,4000	1026,6000	0,9722	0,9722	0,9722	0,9722	0,0278	0,9722	0,9443	0,0278
2.0	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248
5.0	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263
10.0	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261
15.0	1028,0000	28,0000	28,0000	1028,0000	0,9735	0,9735	0,9735	0,9735	0,0265	0,9735	0,9470	0,0265
20.0	1027,8000	28,2000	28,2000	1027,8000	0,9733	0,9733	0,9733	0,9733	0,0267	0,9733	0,9466	0,0267
30.0	1023,0000	33,0000	33,0000	1023,0000	0,9688	0,9688	0,9688	0,9688	0,0312	0,9688	0,9375	0,0312
50.0	927,0000	129,0000	129,0000	927,0000	0,8778	0,8778	0,8778	0,8778	0,1222	0,8778	0,7557	0,1222
75.0	925,8000	130,2000	130,2000	925,8000	0,8767	0,8767	0,8767	0,8767	0,1233	0,8767	0,7534	0,1233
100.0	648,0000	408,0000	408,0000	648,0000	0,6136	0,6136	0,6136	0,6136	0,3864	0,6136	0,2273	0,3864

3.2.1 Porównanie confusion matrix dla min_number_of_values = 1.0

Macierz pomylek dla naszego algorytmu: Heart_Attack | min_number_of_values : 1.0



Macierz pomylek dla algorytmu sklearn:Heart_Attack | min_number_of_values : 1.0



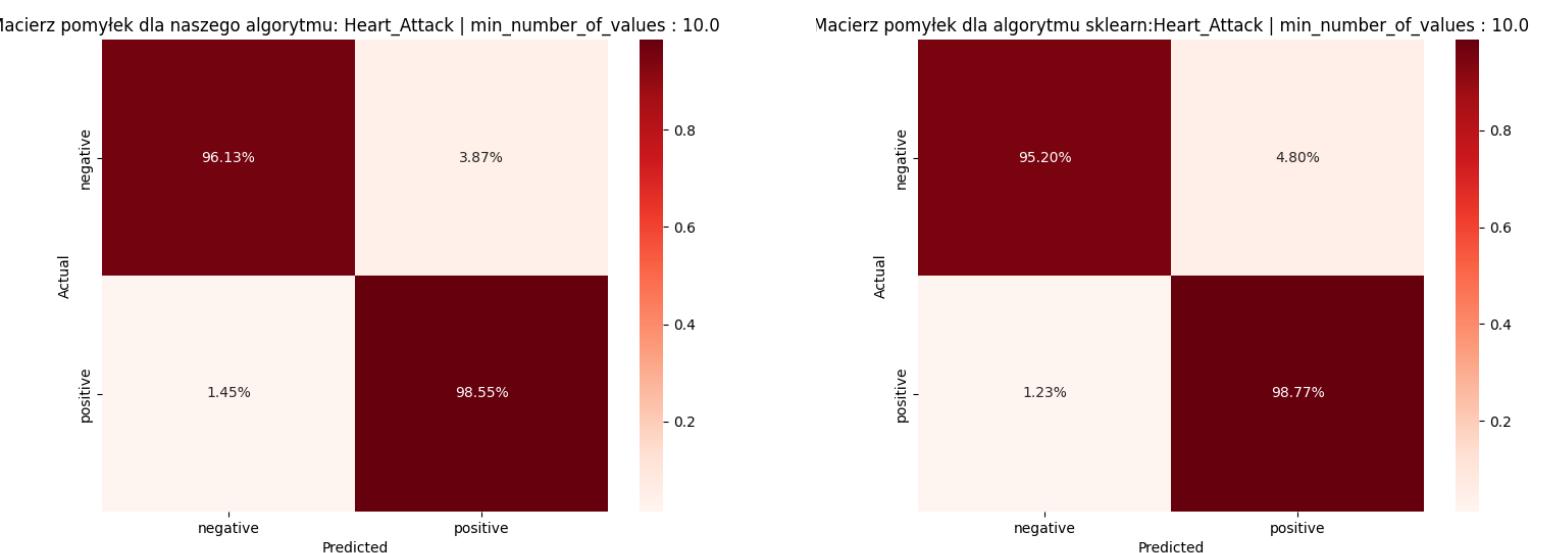
3.2.1 Tablica naszego algorytmu dla min_number_of_values = 1.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,8000	15,2000	10,4000	637,6000	0,9758	0,9627	0,9742	0,9840	0,0160	0,9684	0,9488	0,0160
positive	637,6000	10,4000	15,2000	392,8000	0,9758	0,9840	0,9767	0,9627	0,0373	0,9803	0,9488	0,0373
overall	1030,4000	25,6000	25,6000	1030,4000	0,9758	0,9758	0,9758	0,9758	0,0242	0,9758	0,9515	0,0242

3.2.1 Tablica porównawczego algorytmu dla min_number_of_values = 1.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	385,6000	22,4000	7,0000	641,0000	0,9722	0,9451	0,9822	0,9892	0,0108	0,9633	0,9413	0,0108
positive	641,0000	7,0000	22,4000	385,6000	0,9722	0,9892	0,9662	0,9451	0,0549	0,9776	0,9413	0,0549
overall	1026,6000	29,4000	29,4000	1026,6000	0,9722	0,9722	0,9722	0,9722	0,0278	0,9722	0,9443	0,0278

3.3.1 Porównanie confusion matrix dla min_number_of_values = 10.0



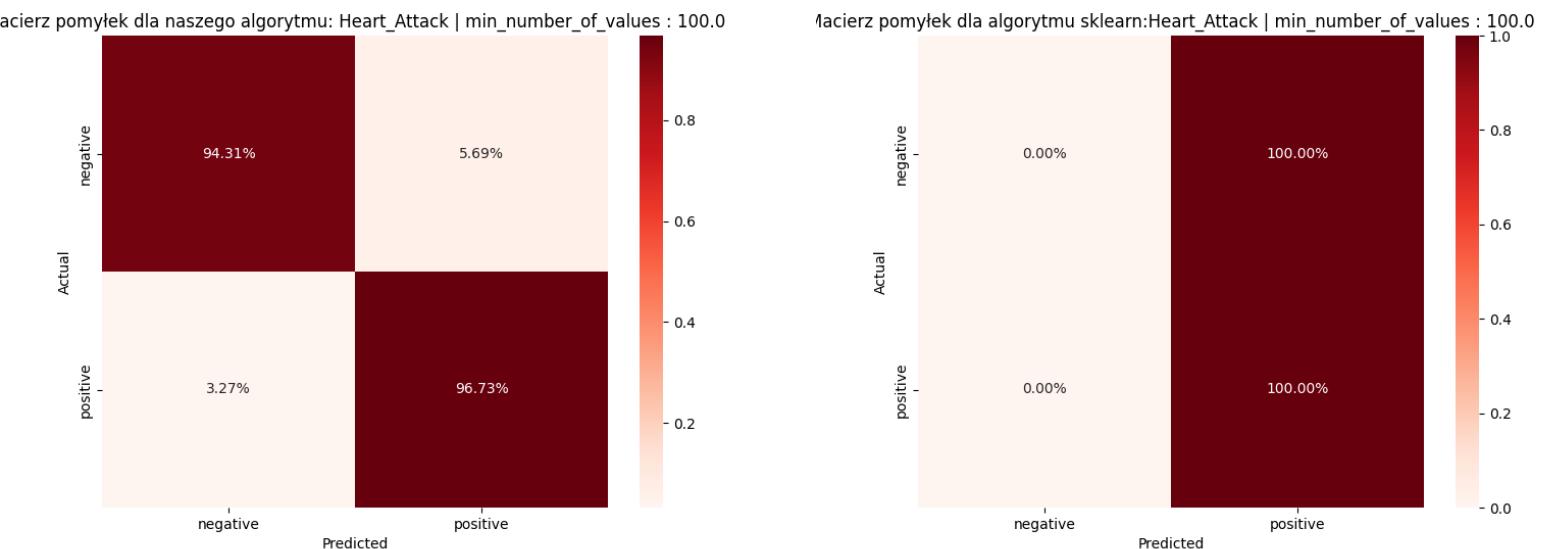
3.3.1 Tablica naszego algorytmu dla min_number_of_values = 10.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,2000	15,8000	9,4000	638,6000	0,9761	0,9613	0,9766	0,9855	0,0145	0,9689	0,9496	0,0145
positive	638,6000	9,4000	15,8000	392,2000	0,9761	0,9855	0,9759	0,9613	0,0387	0,9807	0,9496	0,0387
overall	1030,8000	25,2000	25,2000	1030,8000	0,9761	0,9761	0,9761	0,9761	0,0239	0,9761	0,9523	0,0239

3.3.1 Tablica porównawczego algorytmu dla min_number_of_values = 10.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,4000	19,6000	8,0000	640,0000	0,9739	0,9520	0,9798	0,9877	0,0123	0,9657	0,9448	0,0123
positive	640,0000	8,0000	19,6000	388,4000	0,9739	0,9877	0,9703	0,9520	0,0480	0,9789	0,9448	0,0480
overall	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261

3.4.1 Porównanie confusion matrix dla min_number_of_values = 100.0



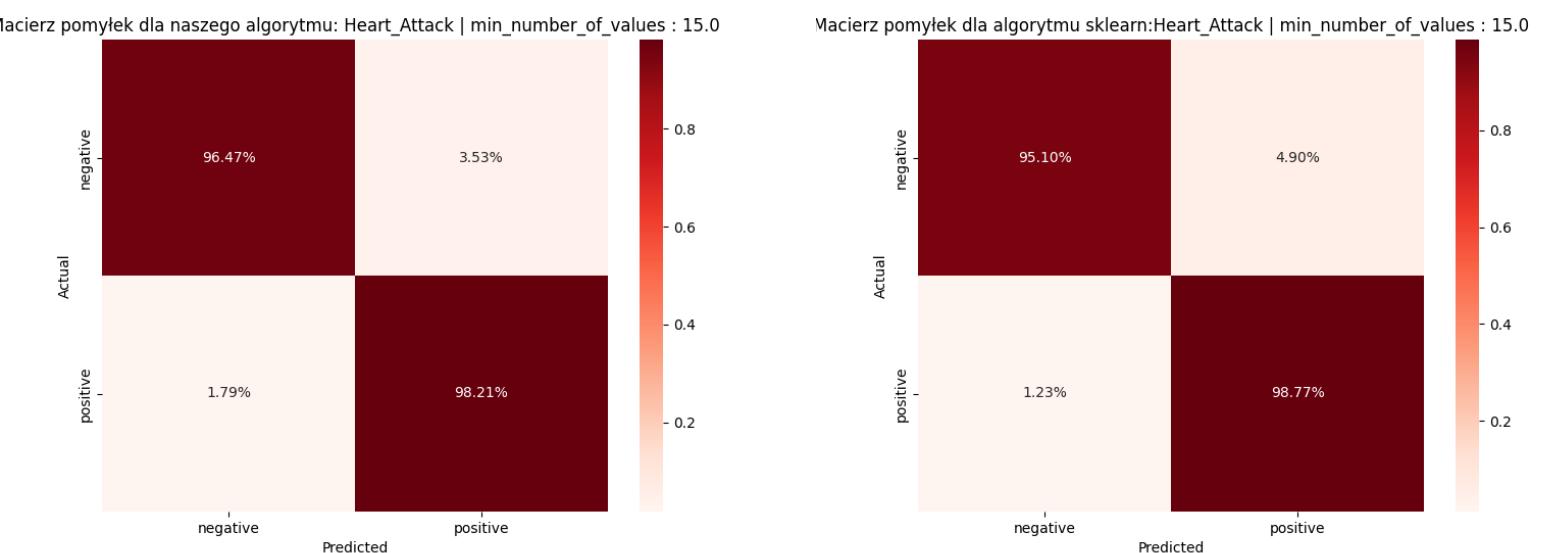
3.4.1 Tablica naszego algorytmu dla min_number_of_values = 100.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	384,8000	23,2000	21,2000	626,8000	0,9580	0,9431	0,9478	0,9673	0,0327	0,9454	0,9113	0,0327
positive	626,8000	21,2000	23,2000	384,8000	0,9580	0,9673	0,9643	0,9431	0,0569	0,9658	0,9113	0,0569
overall	1011,6000	44,4000	44,4000	1011,6000	0,9580	0,9580	0,9580	0,9580	0,0420	0,9580	0,9159	0,0420

3.4.1 Tablica porównawczego algorytmu dla min_number_of_values = 100.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	0,0000	408,0000	0,0000	648,0000	0,6136	0,0000	0,0000	1,0000	0,0000	0,0000	0,0000	0,0000
positive	648,0000	0,0000	408,0000	0,0000	0,6136	1,0000	0,6136	0,0000	1,0000	0,7605	0,0000	1,0000
overall	648,0000	408,0000	408,0000	648,0000	0,6136	0,6136	0,6136	0,6136	0,3864	0,6136	0,2273	0,3864

3.5.1 Porównanie confusion matrix dla min_number_of_values = 15.0



3.5.1 Tablica naszego algorytmu dla min_number_of_values = 15.0

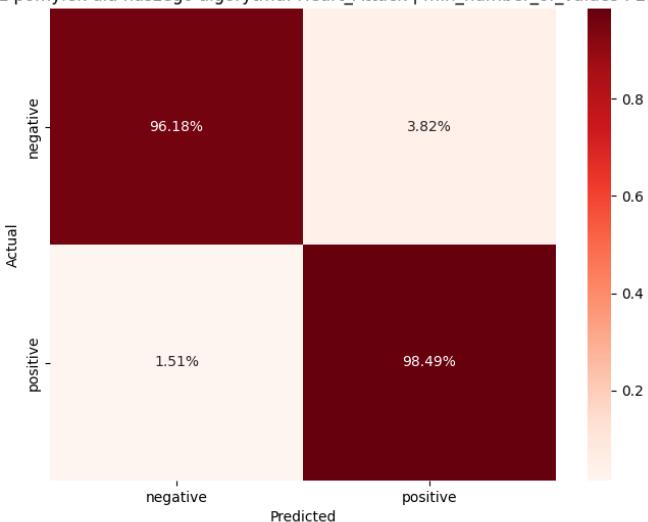
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	393,6000	14,4000	11,6000	636,4000	0,9754	0,9647	0,9714	0,9821	0,0179	0,9680	0,9480	0,0179
positive	636,4000	11,6000	14,4000	393,6000	0,9754	0,9821	0,9779	0,9647	0,0353	0,9800	0,9480	0,0353
overall	1030,0000	26,0000	26,0000	1030,0000	0,9754	0,9754	0,9754	0,9754	0,0246	0,9754	0,9508	0,0246

3.5.1 Tablica porównawczego algorytmu dla min_number_of_values = 15.0

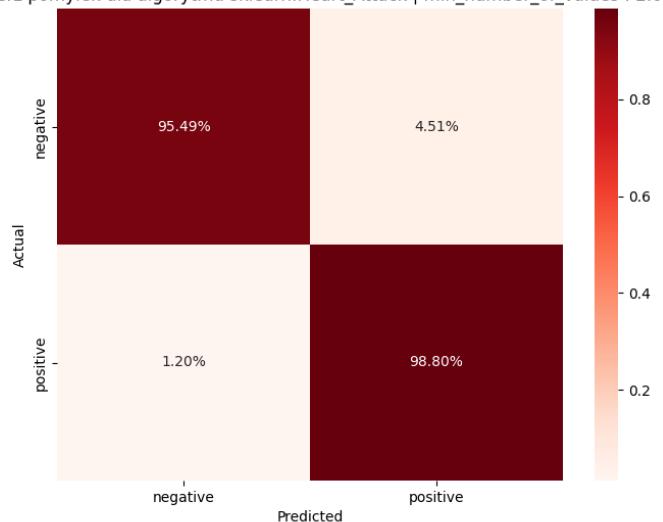
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,0000	20,0000	8,0000	640,0000	0,9735	0,9510	0,9798	0,9877	0,0123	0,9652	0,9440	0,0123
positive	640,0000	8,0000	20,0000	388,0000	0,9735	0,9877	0,9697	0,9510	0,0490	0,9786	0,9440	0,0490
overall	1028,0000	28,0000	28,0000	1028,0000	0,9735	0,9735	0,9735	0,9735	0,0265	0,9735	0,9470	0,0265

3.6.1 Porównanie confusion matrix dla min_number_of_values = 2.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | min_number_of_values : 2.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | min_number_of_values : 2.0



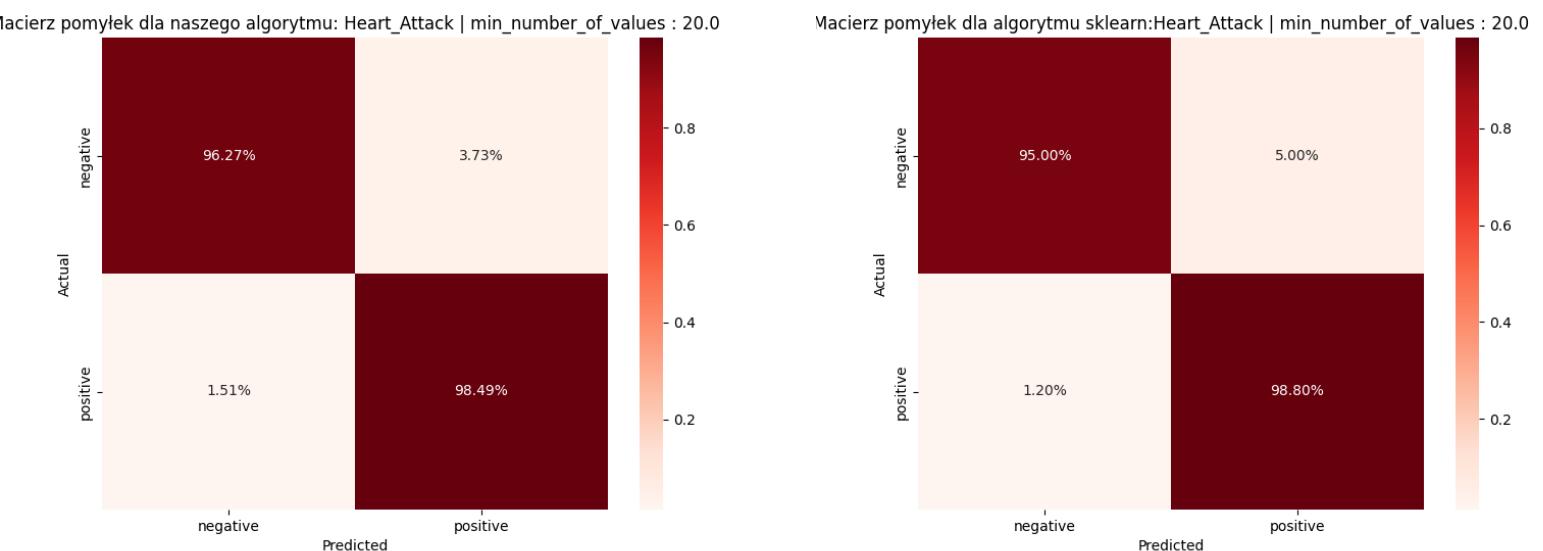
3.6.1 Tablica naszego algorytmu dla min_number_of_values = 2.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,4000	15,6000	9,8000	638,2000	0,9759	0,9618	0,9756	0,9849	0,0151	0,9687	0,9492	0,0151
positive	638,2000	9,8000	15,6000	392,4000	0,9759	0,9849	0,9761	0,9618	0,0382	0,9805	0,9492	0,0382
overall	1030,6000	25,4000	25,4000	1030,6000	0,9759	0,9759	0,9759	0,9759	0,0241	0,9759	0,9519	0,0241

3.6.1 Tablica porównawczego algorytmu dla min_number_of_values = 2.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	389,6000	18,4000	7,8000	640,2000	0,9752	0,9549	0,9804	0,9880	0,0120	0,9675	0,9476	0,0120
positive	640,2000	7,8000	18,4000	389,6000	0,9752	0,9880	0,9721	0,9549	0,0451	0,9800	0,9476	0,0451
overall	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248

3.7.1 Porównanie confusion matrix dla min_number_of_values = 20.0



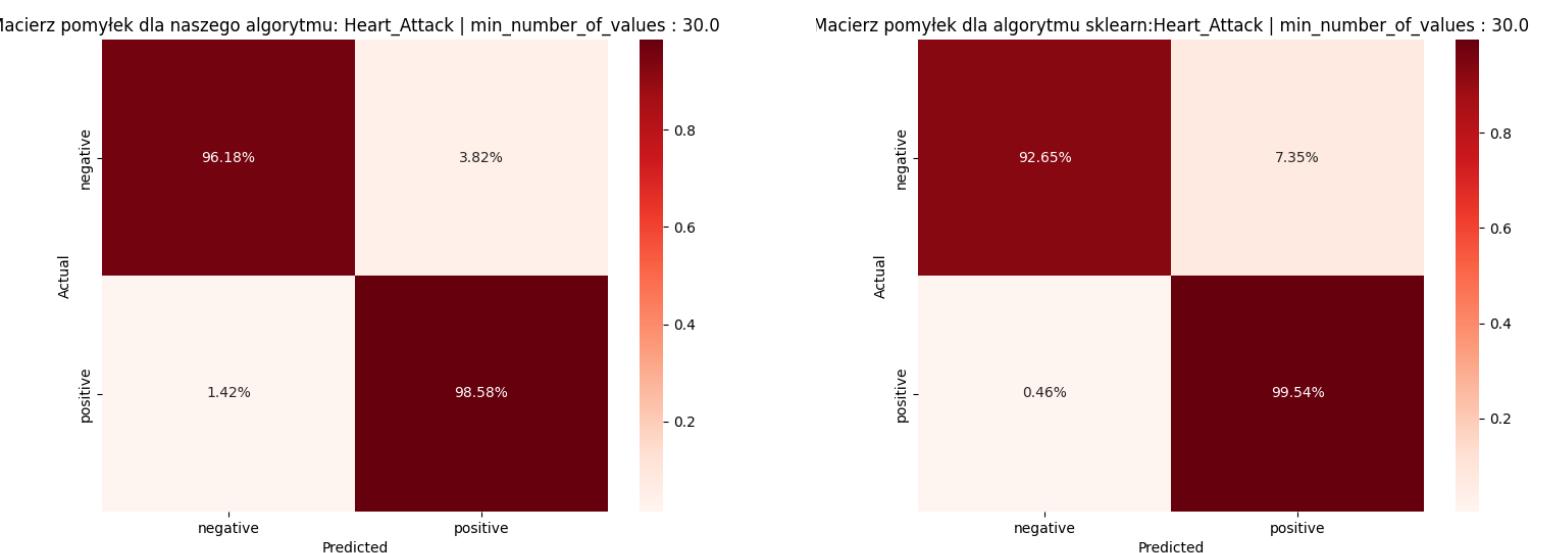
3.7.1 Tablica naszego algorytmu dla min_number_of_values = 20.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,8000	15,2000	9,8000	638,2000	0,9763	0,9627	0,9757	0,9849	0,0151	0,9692	0,9500	0,0151
positive	638,2000	9,8000	15,2000	392,8000	0,9763	0,9849	0,9767	0,9627	0,0373	0,9808	0,9500	0,0373
overall	1031,0000	25,0000	25,0000	1031,0000	0,9763	0,9763	0,9763	0,9763	0,0237	0,9763	0,9527	0,0237

3.7.1 Tablica porównawczego algorytmu dla min_number_of_values = 20.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	387,6000	20,4000	7,8000	640,2000	0,9733	0,9500	0,9803	0,9880	0,0120	0,9649	0,9437	0,0120
positive	640,2000	7,8000	20,4000	387,6000	0,9733	0,9880	0,9691	0,9500	0,0500	0,9785	0,9437	0,0500
overall	1027,8000	28,2000	28,2000	1027,8000	0,9733	0,9733	0,9733	0,9733	0,0267	0,9733	0,9466	0,0267

3.8.1 Porównanie confusion matrix dla min_number_of_values = 30.0



3.8.1 Tablica naszego algorytmu dla min_number_of_values = 30.0

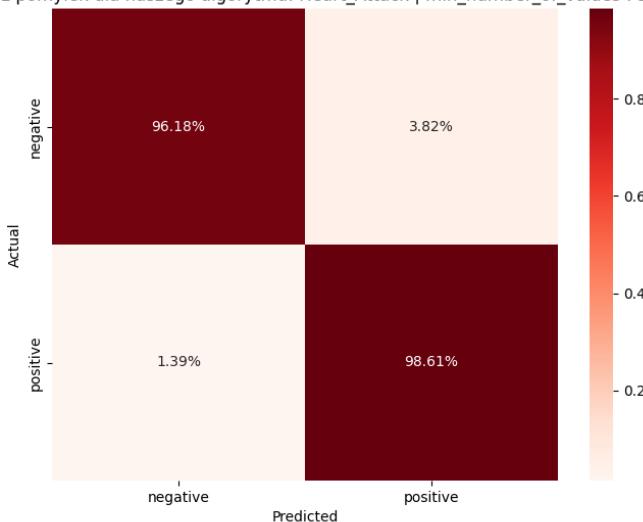
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,4000	15,6000	9,2000	638,8000	0,9765	0,9618	0,9771	0,9858	0,0142	0,9694	0,9504	0,0142
positive	638,8000	9,2000	15,6000	392,4000	0,9765	0,9858	0,9762	0,9618	0,0382	0,9810	0,9504	0,0382
overall	1031,2000	24,8000	24,8000	1031,2000	0,9765	0,9765	0,9765	0,9765	0,0235	0,9765	0,9530	0,0235

3.8.1 Tablica porównawczego algorytmu dla min_number_of_values = 30.0

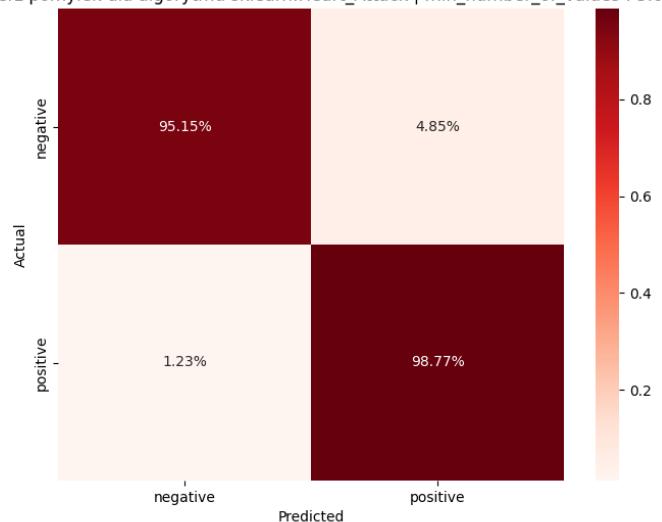
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	378,0000	30,0000	3,0000	645,0000	0,9688	0,9265	0,9921	0,9954	0,0046	0,9582	0,9347	0,0046
positive	645,0000	3,0000	30,0000	378,0000	0,9688	0,9954	0,9556	0,9265	0,0735	0,9751	0,9347	0,0735
overall	1023,0000	33,0000	33,0000	1023,0000	0,9688	0,9688	0,9688	0,9688	0,0312	0,9688	0,9375	0,0312

3.9.1 Porównanie confusion matrix dla min_number_of_values = 5.0

Macierz pomylek dla naszego algorytmu: Heart_Attack | min_number_of_values : 5.0



Macierz pomylek dla algorytmu sklearn:Heart_Attack | min_number_of_values : 5.0



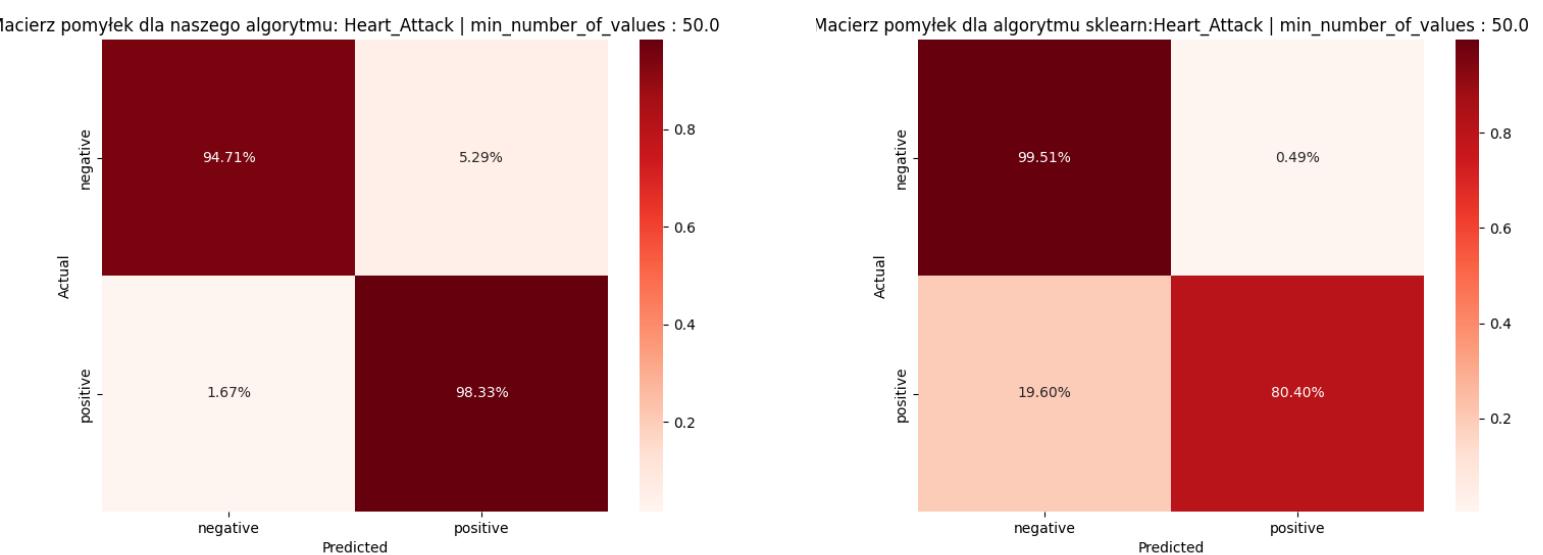
3.9.1 Tablica naszego algorytmu dla min_number_of_values = 5.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,4000	15,6000	9,0000	639,0000	0,9767	0,9618	0,9776	0,9861	0,0139	0,9696	0,9508	0,0139
positive	639,0000	9,0000	15,6000	392,4000	0,9767	0,9861	0,9762	0,9618	0,0382	0,9811	0,9508	0,0382
overall	1031,4000	24,6000	24,6000	1031,4000	0,9767	0,9767	0,9767	0,9767	0,0233	0,9767	0,9534	0,0233

3.9.1 Tablica porównawczego algorytmu dla min_number_of_values = 5.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,2000	19,8000	8,0000	640,0000	0,9737	0,9515	0,9798	0,9877	0,0123	0,9654	0,9444	0,0123
positive	640,0000	8,0000	19,8000	388,2000	0,9737	0,9877	0,9700	0,9515	0,0485	0,9788	0,9444	0,0485
overall	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263

3.10.1 Porównanie confusion matrix dla min_number_of_values = 50.0



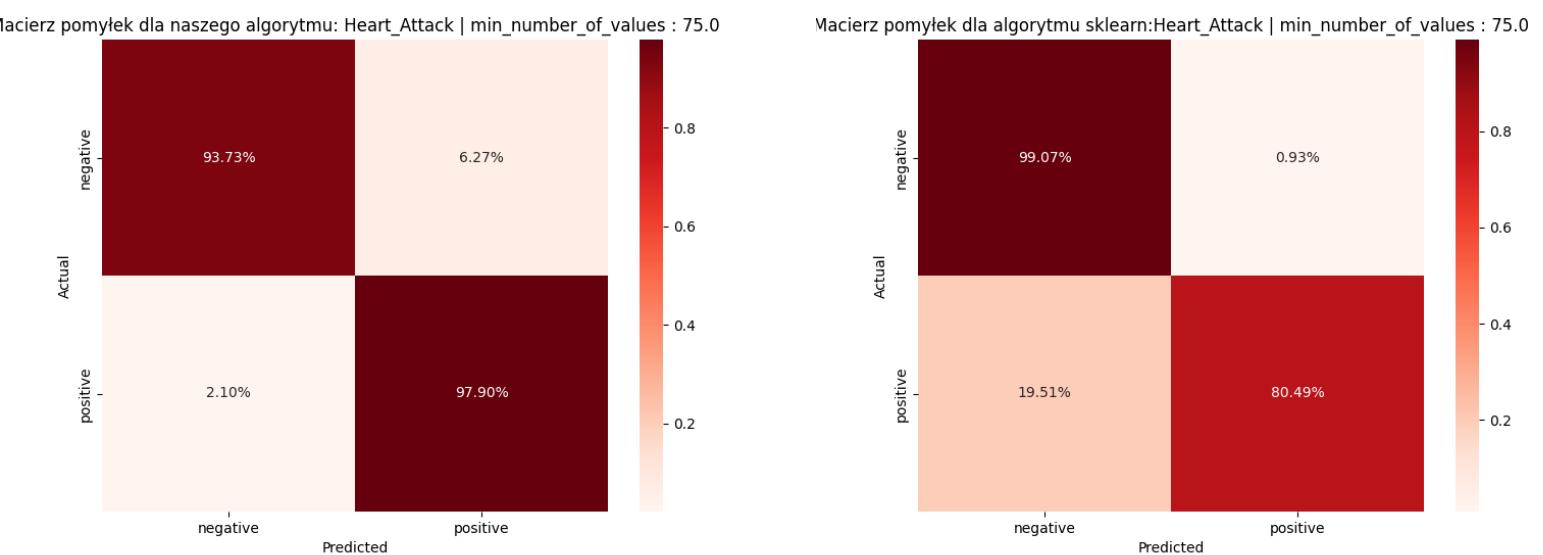
3.10.1 Tablica naszego algorytmu dla min_number_of_values = 50.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	386,4000	21,6000	10,8000	637,2000	0,9693	0,9471	0,9728	0,9833	0,0167	0,9598	0,9352	0,0167
positive	637,2000	10,8000	21,6000	386,4000	0,9693	0,9833	0,9672	0,9471	0,0529	0,9752	0,9352	0,0529
overall	1023,6000	32,4000	32,4000	1023,6000	0,9693	0,9693	0,9693	0,9693	0,0307	0,9693	0,9386	0,0307

3.10.1 Tablica porównawczego algorytmu dla min_number_of_values = 50.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	406,0000	2,0000	127,0000	521,0000	0,8778	0,9951	0,7617	0,8040	0,1960	0,8629	0,7782	0,1960
positive	521,0000	127,0000	2,0000	406,0000	0,8778	0,8040	0,9962	0,9951	0,0049	0,8898	0,7782	0,0049
overall	927,0000	129,0000	129,0000	927,0000	0,8778	0,8778	0,8778	0,8778	0,1222	0,8778	0,7557	0,1222

3.11.1 Porównanie confusion matrix dla min_number_of_values = 75.0



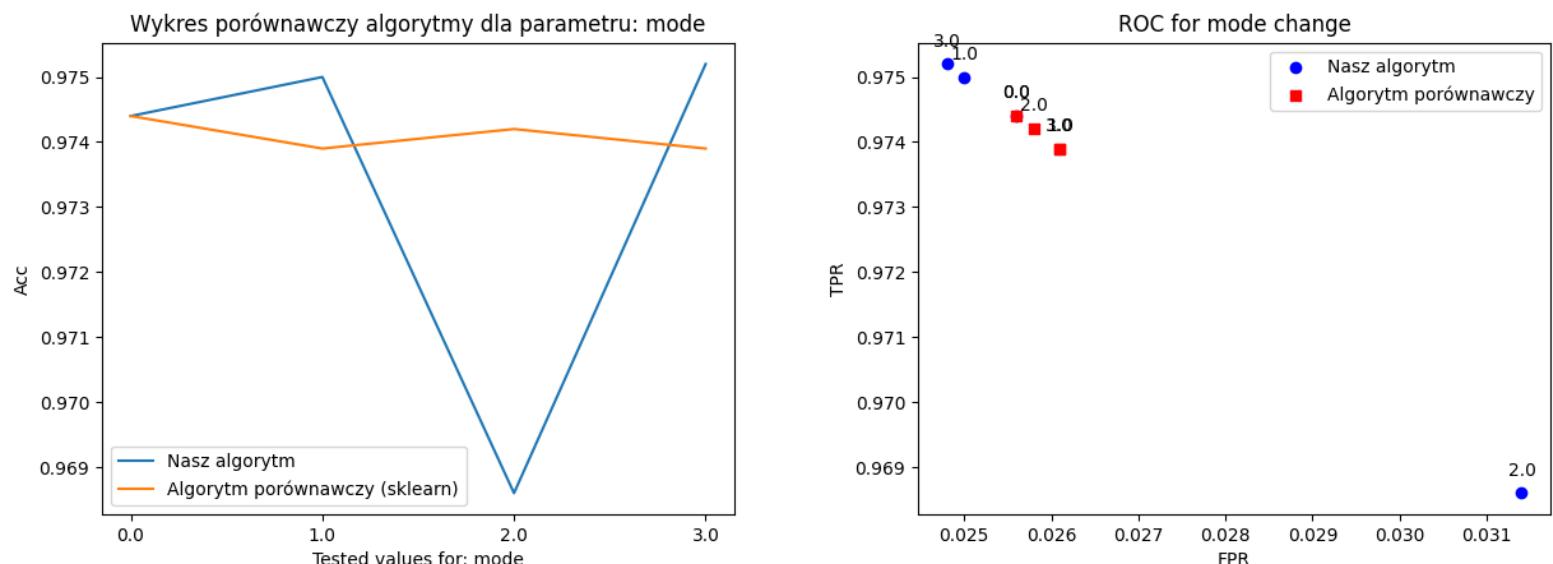
3.11.1 Tablica naszego algorytmu dla min_number_of_values = 75.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	382,4000	25,6000	13,6000	634,4000	0,9629	0,9373	0,9657	0,9790	0,0210	0,9513	0,9216	0,0210
positive	634,4000	13,6000	25,6000	382,4000	0,9629	0,9790	0,9612	0,9373	0,0627	0,9700	0,9216	0,0627
overall	1016,8000	39,2000	39,2000	1016,8000	0,9629	0,9629	0,9629	0,9629	0,0371	0,9629	0,9258	0,0371

3.11.1 Tablica porównawczego algorytmu dla min_number_of_values = 75.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	404,2000	3,8000	126,4000	521,6000	0,8767	0,9907	0,7618	0,8049	0,1951	0,8613	0,7748	0,1951
positive	521,6000	126,4000	3,8000	404,2000	0,8767	0,8049	0,9928	0,9907	0,0093	0,8890	0,7748	0,0093
overall	925,8000	130,2000	130,2000	925,8000	0,8767	0,8767	0,8767	0,8767	0,1233	0,8767	0,7534	0,1233

4.1.1 Wykres precyzji oraz wykres ROC dla zmiany parametru: mode



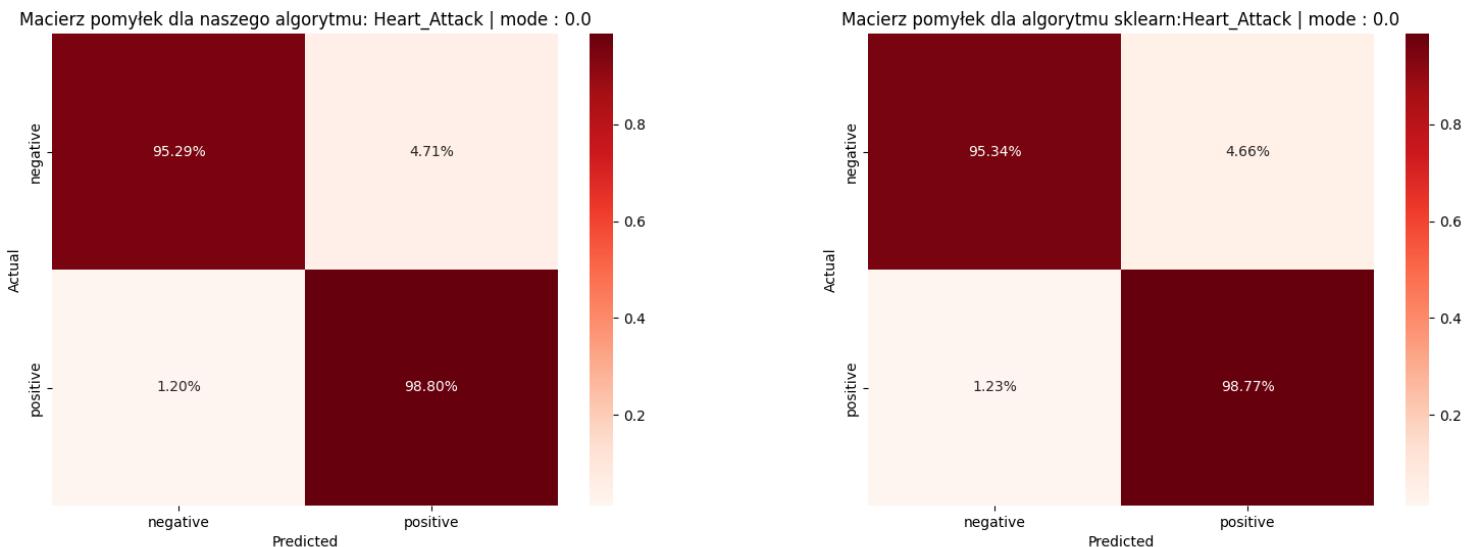
4.1.1 Tablica naszego algorytmu dla zmiany parametru: mode

	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
0.0	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256
1.0	1029,6000	26,4000	26,4000	1029,6000	0,9750	0,9750	0,9750	0,9750	0,0250	0,9750	0,9500	0,0250
2.0	1022,8000	33,2000	33,2000	1022,8000	0,9686	0,9686	0,9686	0,9686	0,0314	0,9686	0,9371	0,0314
3.0	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248

4.1.1 Tablica porównawczego algorytmu dla zmiany parametru: mode

	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
0.0	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256
1.0	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261
2.0	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258
3.0	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261

4.2.1 Porównanie confusion matrix dla mode = 0.0



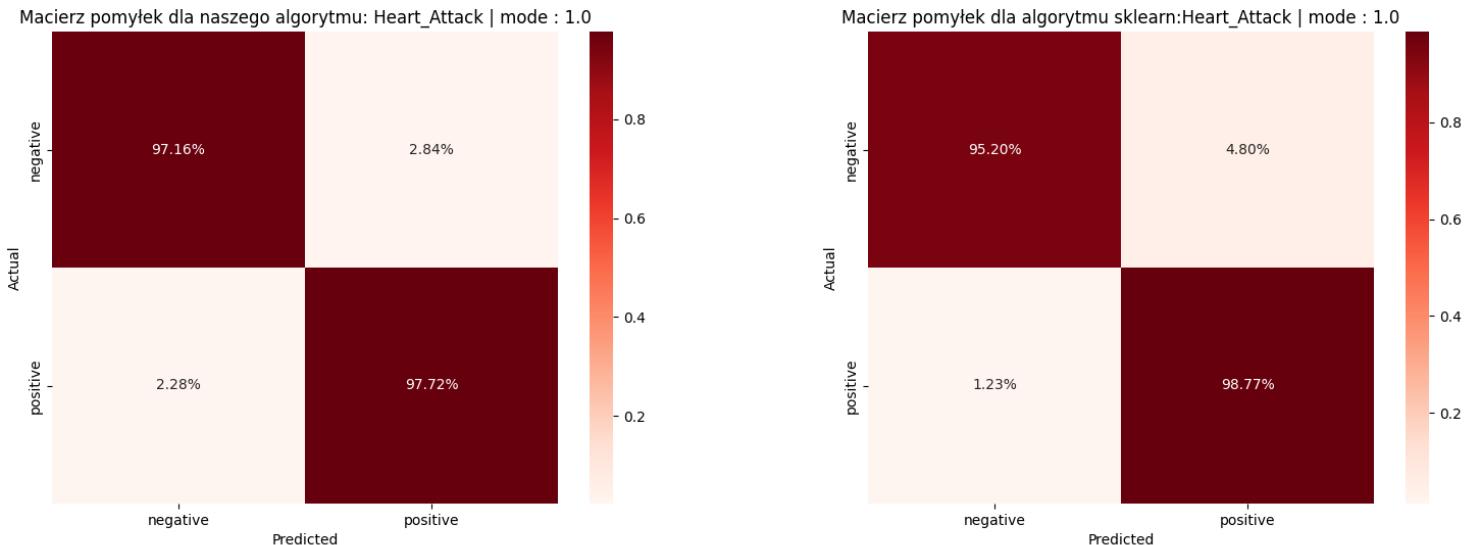
4.2.1 Tablica naszego algorytmu dla mode = 0.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,8000	19,2000	7,8000	640,2000	0,9744	0,9529	0,9803	0,9880	0,0120	0,9664	0,9460	0,0120
positive	640,2000	7,8000	19,2000	388,8000	0,9744	0,9880	0,9709	0,9529	0,0471	0,9794	0,9460	0,0471
overall	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256

4.2.1 Tablica porównawczego algorytmu dla mode = 0.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	389,0000	19,0000	8,0000	640,0000	0,9744	0,9534	0,9798	0,9877	0,0123	0,9664	0,9460	0,0123
positive	640,0000	8,0000	19,0000	389,0000	0,9744	0,9877	0,9712	0,9534	0,0466	0,9794	0,9460	0,0466
overall	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256

4.3.1 Porównanie confusion matrix dla mode = 1.0



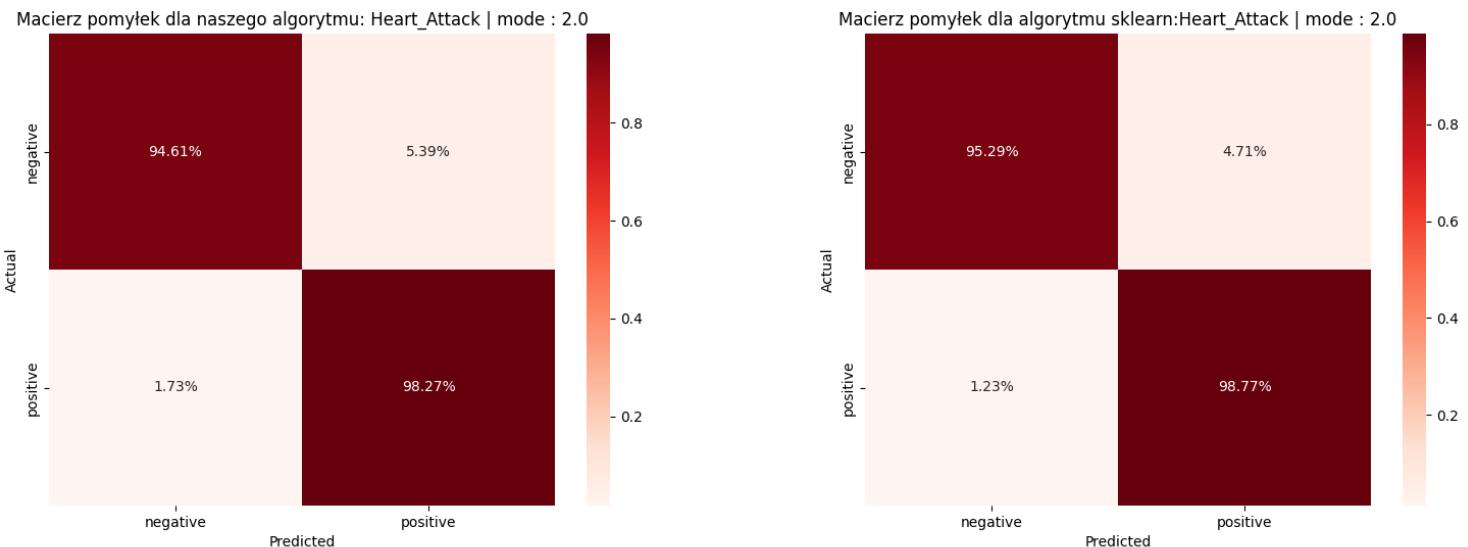
4.3.1 Tablica naszego algorytmu dla mode = 1.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	396,4000	11,6000	14,8000	633,2000	0,9750	0,9716	0,9640	0,9772	0,0228	0,9678	0,9474	0,0228
positive	633,2000	14,8000	11,6000	396,4000	0,9750	0,9772	0,9820	0,9716	0,0284	0,9796	0,9474	0,0284
overall	1029,6000	26,4000	26,4000	1029,6000	0,9750	0,9750	0,9750	0,9750	0,0250	0,9750	0,9500	0,0250

4.3.1 Tablica porównawczego algorytmu dla mode = 1.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,4000	19,6000	8,0000	640,0000	0,9739	0,9520	0,9798	0,9877	0,0123	0,9657	0,9448	0,0123
positive	640,0000	8,0000	19,6000	388,4000	0,9739	0,9877	0,9703	0,9520	0,0480	0,9789	0,9448	0,0480
overall	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261

4.4.1 Porównanie confusion matrix dla mode = 2.0



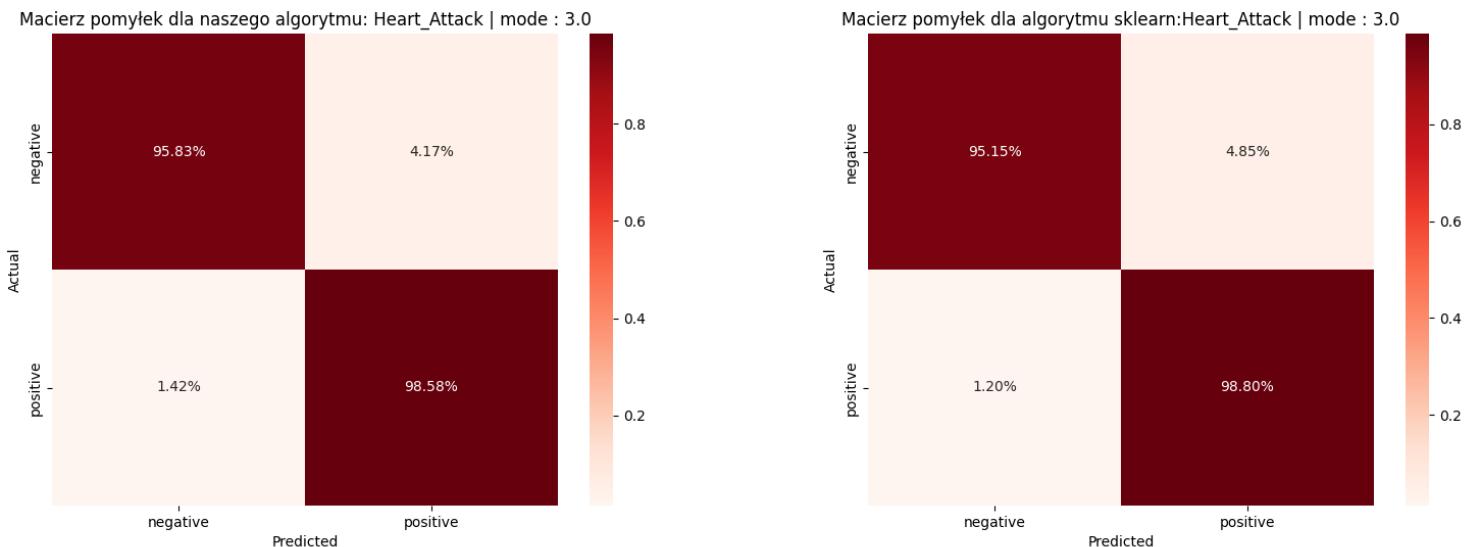
4.4.1 Tablica naszego algorytmu dla mode = 2.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	386,0000	22,0000	11,2000	636,8000	0,9686	0,9461	0,9718	0,9827	0,0173	0,9588	0,9336	0,0173
positive	636,8000	11,2000	22,0000	386,0000	0,9686	0,9827	0,9666	0,9461	0,0539	0,9746	0,9336	0,0539
overall	1022,8000	33,2000	33,2000	1022,8000	0,9686	0,9686	0,9686	0,9686	0,0314	0,9686	0,9371	0,0314

4.4.1 Tablica porównawczego algorytmu dla mode = 2.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,8000	19,2000	8,0000	640,0000	0,9742	0,9529	0,9798	0,9877	0,0123	0,9662	0,9456	0,0123
positive	640,0000	8,0000	19,2000	388,8000	0,9742	0,9877	0,9709	0,9529	0,0471	0,9792	0,9456	0,0471
overall	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258

4.5.1 Porównanie confusion matrix dla mode = 3.0



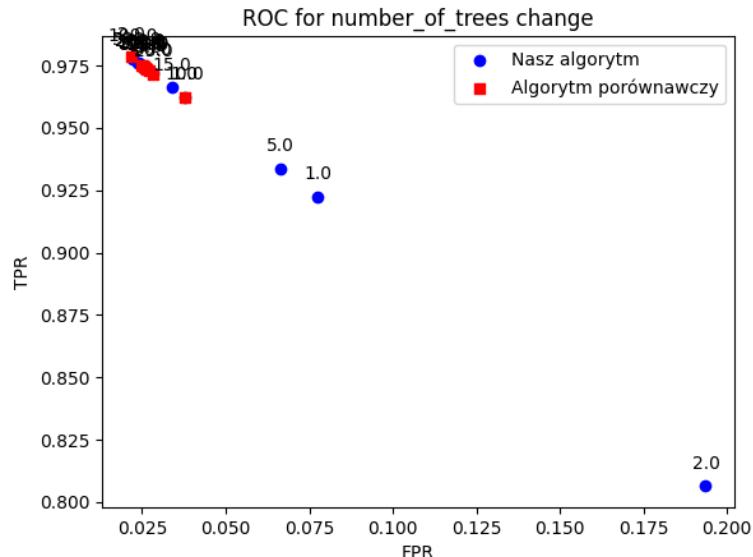
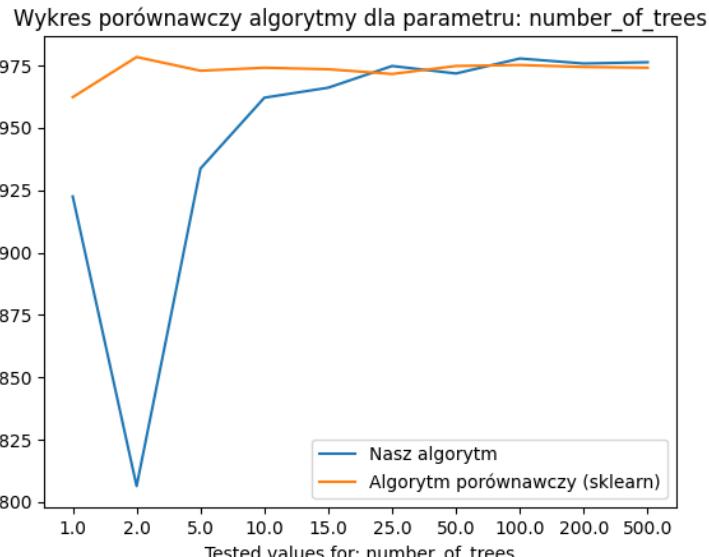
4.5.1 Tablica naszego algorytmu dla mode = 3.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	391,0000	17,0000	9,2000	638,8000	0,9752	0,9583	0,9770	0,9858	0,0142	0,9676	0,9476	0,0142
positive	638,8000	9,2000	17,0000	391,0000	0,9752	0,9858	0,9741	0,9583	0,0417	0,9799	0,9476	0,0417
overall	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248

4.5.1 Tablica porównawczego algorytmu dla mode = 3.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,2000	19,8000	7,8000	640,2000	0,9739	0,9515	0,9803	0,9880	0,0120	0,9657	0,9449	0,0120
positive	640,2000	7,8000	19,8000	388,2000	0,9739	0,9880	0,9700	0,9515	0,0485	0,9789	0,9449	0,0485
overall	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261

5.1.1 Wykres precyzji oraz wykres ROC dla zmiany parametru: number_of_trees



5.1.1 Tablica naszego algorytmu dla zmiany parametru: number_of_trees

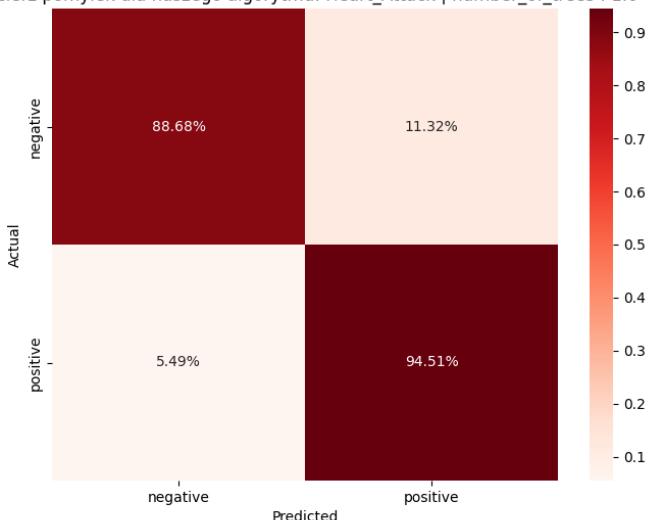
	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
1.0	974,2000	81,8000	81,8000	974,2000	0,9225	0,9225	0,9225	0,9225	0,0775	0,9225	0,8451	0,0775
2.0	851,6000	204,4000	204,4000	851,6000	0,8064	0,8064	0,8064	0,8064	0,1936	0,8064	0,6129	0,1936
5.0	986,0000	70,0000	70,0000	986,0000	0,9337	0,9337	0,9337	0,9337	0,0663	0,9337	0,8674	0,0663
10.0	1016,0000	40,0000	40,0000	1016,0000	0,9621	0,9621	0,9621	0,9621	0,0379	0,9621	0,9242	0,0379
15.0	1020,2000	35,8000	35,8000	1020,2000	0,9661	0,9661	0,9661	0,9661	0,0339	0,9661	0,9322	0,0339
25.0	1029,4000	26,6000	26,6000	1029,4000	0,9748	0,9748	0,9748	0,9748	0,0252	0,9748	0,9496	0,0252
50.0	1026,2000	29,8000	29,8000	1026,2000	0,9718	0,9718	0,9718	0,9718	0,0282	0,9718	0,9436	0,0282
100.0	1032,6000	23,4000	23,4000	1032,6000	0,9778	0,9778	0,9778	0,9778	0,0222	0,9778	0,9557	0,0222
200.0	1030,4000	25,6000	25,6000	1030,4000	0,9758	0,9758	0,9758	0,9758	0,0242	0,9758	0,9515	0,0242
500.0	1031,0000	25,0000	25,0000	1031,0000	0,9763	0,9763	0,9763	0,9763	0,0237	0,9763	0,9527	0,0237

5.1.1 Tablica porównawczego algorytmu dla zmiany parametru: number_of_trees

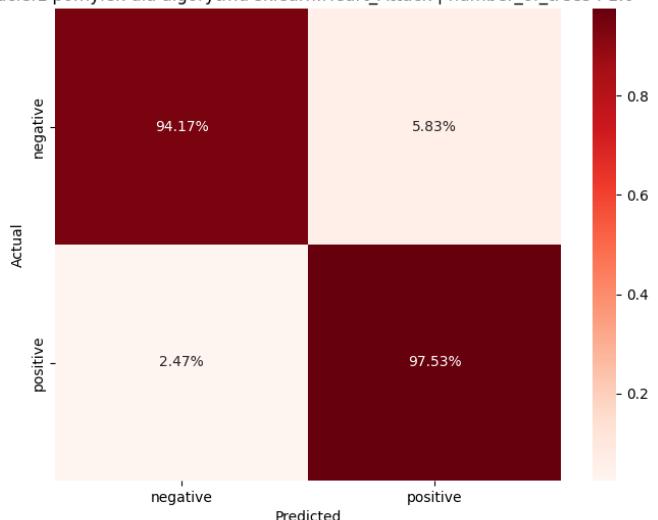
	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
1.0	1016,2000	39,8000	39,8000	1016,2000	0,9623	0,9623	0,9623	0,9623	0,0377	0,9623	0,9246	0,0377
2.0	1033,2000	22,8000	22,8000	1033,2000	0,9784	0,9784	0,9784	0,9784	0,0216	0,9784	0,9568	0,0216
5.0	1027,4000	28,6000	28,6000	1027,4000	0,9729	0,9729	0,9729	0,9729	0,0271	0,9729	0,9458	0,0271
10.0	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259
15.0	1028,0000	28,0000	28,0000	1028,0000	0,9735	0,9735	0,9735	0,9735	0,0265	0,9735	0,9470	0,0265
25.0	1026,0000	30,0000	30,0000	1026,0000	0,9716	0,9716	0,9716	0,9716	0,0284	0,9716	0,9432	0,0284
50.0	1029,4000	26,6000	26,6000	1029,4000	0,9748	0,9748	0,9748	0,9748	0,0252	0,9748	0,9496	0,0252
100.0	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248
200.0	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256
500.0	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259

5.2.1 Porównanie confusion matrix dla number_of_trees = 1.0

Macierz pomylek dla naszego algorytmu: Heart_Attack | number_of_trees : 1.0



Macierz pomylek dla algorytmu sklearn:Heart_Attack | number_of_trees : 1.0



5.2.1 Tablica naszego algorytmu dla number_of_trees = 1.0

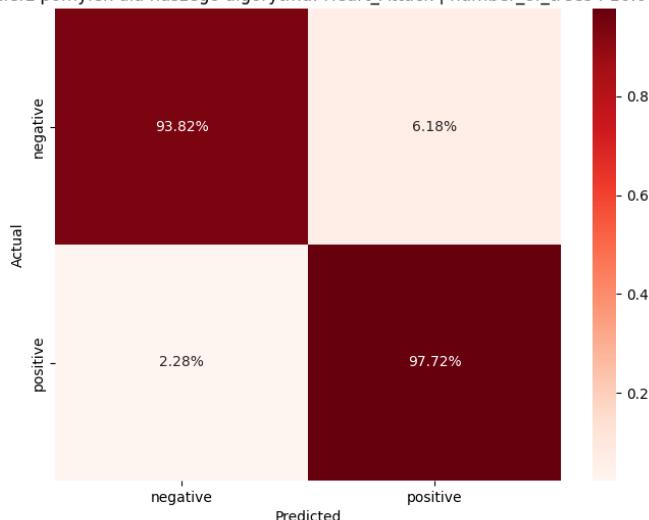
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	361,8000	46,2000	35,6000	612,4000	0,9225	0,8868	0,9104	0,9451	0,0549	0,8984	0,8360	0,0549
positive	612,4000	35,6000	46,2000	361,8000	0,9225	0,9451	0,9299	0,8868	0,1132	0,9374	0,8360	0,1132
overall	974,2000	81,8000	81,8000	974,2000	0,9225	0,9225	0,9225	0,9225	0,0775	0,9225	0,8451	0,0775

5.2.1 Tablica porównawczego algorytmu dla number_of_trees = 1.0

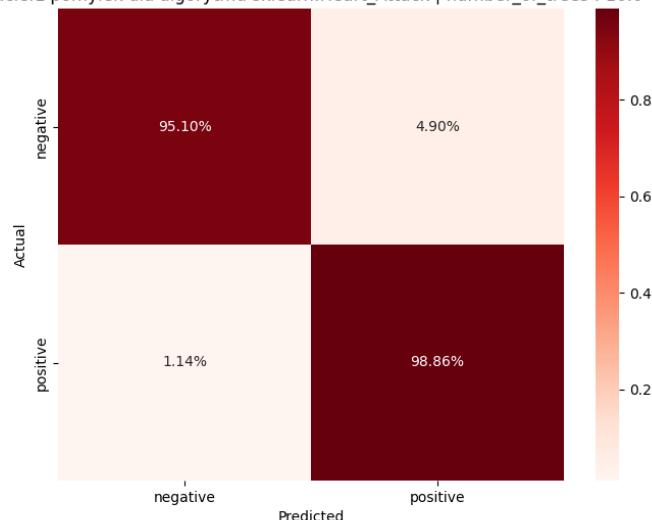
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	384,2000	23,8000	16,0000	632,0000	0,9623	0,9417	0,9600	0,9753	0,0247	0,9508	0,9203	0,0247
positive	632,0000	16,0000	23,8000	384,2000	0,9623	0,9753	0,9637	0,9417	0,0583	0,9695	0,9203	0,0583
overall	1016,2000	39,8000	39,8000	1016,2000	0,9623	0,9623	0,9623	0,9623	0,0377	0,9623	0,9246	0,0377

5.3.1 Porównanie confusion matrix dla number_of_trees = 10.0

Macierz pomylek dla naszego algorytmu: Heart_Attack | number_of_trees : 10.0



Macierz pomylek dla algorytmu sklearn:Heart_Attack | number_of_trees : 10.0



5.3.1 Tablica naszego algorytmu dla number_of_trees = 10.0

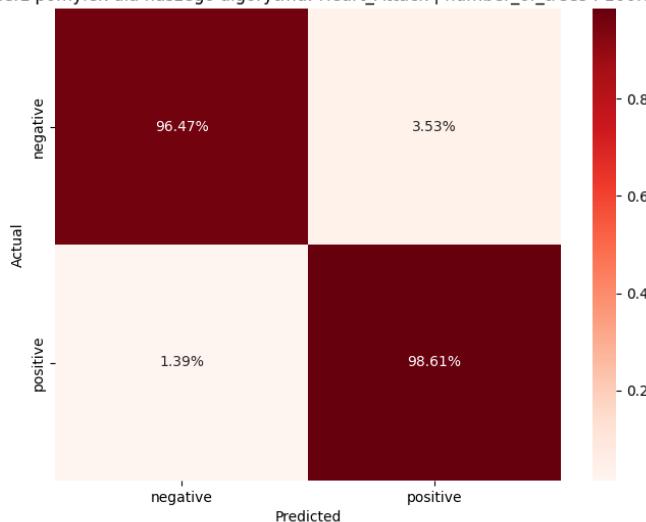
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	382,8000	25,2000	14,8000	633,2000	0,9621	0,9382	0,9628	0,9772	0,0228	0,9503	0,9199	0,0228
positive	633,2000	14,8000	25,2000	382,8000	0,9621	0,9772	0,9617	0,9382	0,0618	0,9694	0,9199	0,0618
overall	1016,0000	40,0000	40,0000	1016,0000	0,9621	0,9621	0,9621	0,9621	0,0379	0,9621	0,9242	0,0379

5.3.1 Tablica porównawczego algorytmu dla number_of_trees = 10.0

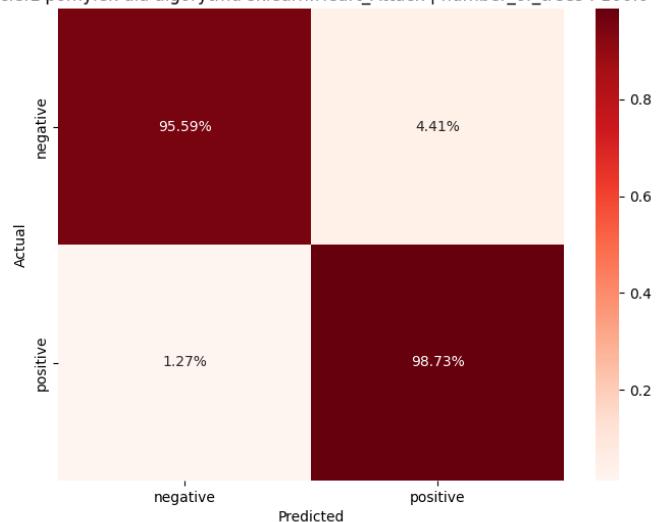
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,0000	20,0000	7,4000	640,6000	0,9741	0,9510	0,9813	0,9886	0,0114	0,9659	0,9453	0,0114
positive	640,6000	7,4000	20,0000	388,0000	0,9741	0,9886	0,9697	0,9510	0,0490	0,9791	0,9453	0,0490
overall	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259

5.4.1 Porównanie confusion matrix dla number_of_trees = 100.0

Macierz pomylek dla naszego algorytmu: Heart_Attack | number_of_trees : 100.0



Macierz pomylek dla algorytmu sklearn:Heart_Attack | number_of_trees : 100.0



5.4.1 Tablica naszego algorytmu dla number_of_trees = 100.0

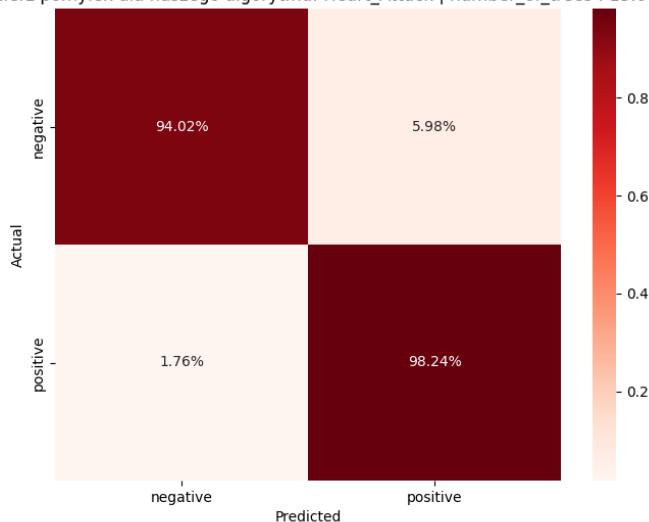
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	393,6000	14,4000	9,0000	639,0000	0,9778	0,9647	0,9776	0,9861	0,0139	0,9711	0,9532	0,0139
positive	639,0000	9,0000	14,4000	393,6000	0,9778	0,9861	0,9780	0,9647	0,0353	0,9820	0,9532	0,0353
overall	1032,6000	23,4000	23,4000	1032,6000	0,9778	0,9778	0,9778	0,9778	0,0222	0,9778	0,9557	0,0222

5.4.1 Tablica porównawczego algorytmu dla number_of_trees = 100.0

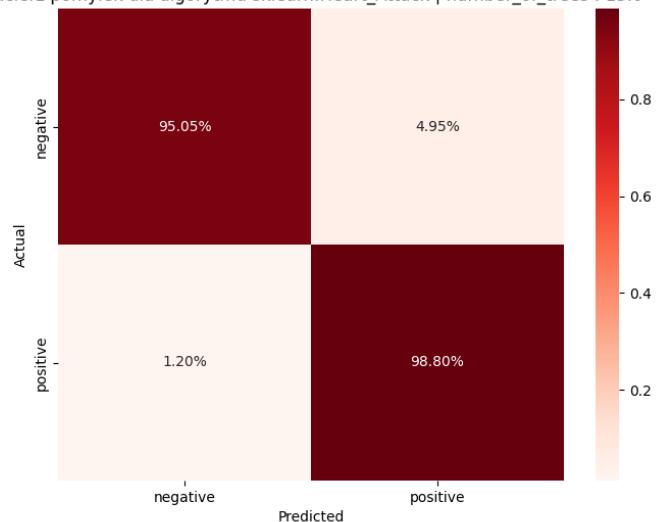
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	390,0000	18,0000	8,2000	639,8000	0,9752	0,9559	0,9794	0,9873	0,0127	0,9675	0,9476	0,0127
positive	639,8000	8,2000	18,0000	390,0000	0,9752	0,9873	0,9726	0,9559	0,0441	0,9799	0,9476	0,0441
overall	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248

5.5.1 Porównanie confusion matrix dla number_of_trees = 15.0

Macierz pomylek dla naszego algorytmu: Heart_Attack | number_of_trees : 15.0



Macierz pomylek dla algorytmu sklearn:Heart_Attack | number_of_trees : 15.0



5.5.1 Tablica naszego algorytmu dla number_of_trees = 15.0

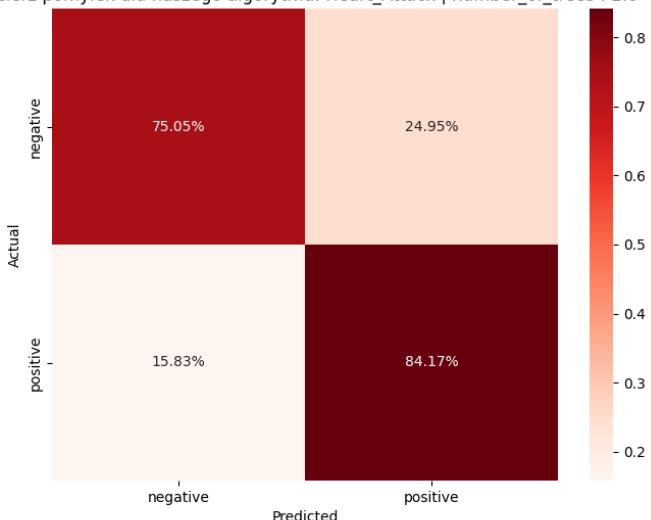
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	383,6000	24,4000	11,4000	636,6000	0,9661	0,9402	0,9711	0,9824	0,0176	0,9554	0,9284	0,0176
positive	636,6000	11,4000	24,4000	383,6000	0,9661	0,9824	0,9631	0,9402	0,0598	0,9727	0,9284	0,0598
overall	1020,2000	35,8000	35,8000	1020,2000	0,9661	0,9661	0,9661	0,9661	0,0339	0,9661	0,9322	0,0339

5.5.1 Tablica porównawczego algorytmu dla number_of_trees = 15.0

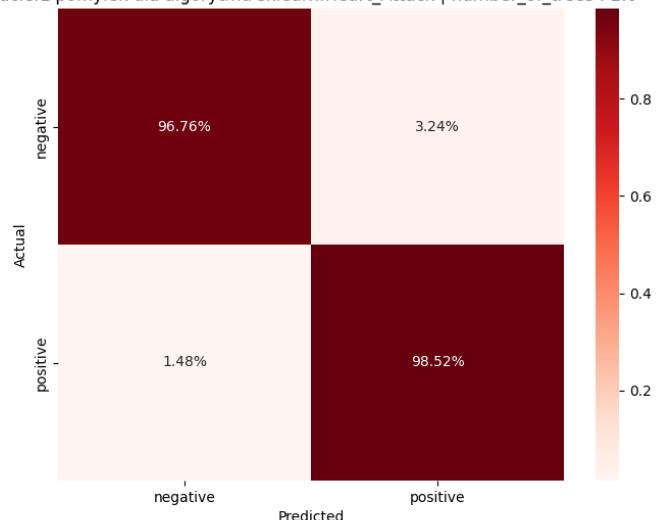
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	387,8000	20,2000	7,8000	640,2000	0,9735	0,9505	0,9803	0,9880	0,0120	0,9652	0,9441	0,0120
positive	640,2000	7,8000	20,2000	387,8000	0,9735	0,9880	0,9694	0,9505	0,0495	0,9786	0,9441	0,0495
overall	1028,0000	28,0000	28,0000	1028,0000	0,9735	0,9735	0,9735	0,9735	0,0265	0,9735	0,9470	0,0265

5.6.1 Porównanie confusion matrix dla number_of_trees = 2.0

Macierz pomylek dla naszego algorytmu: Heart_Attack | number_of_trees : 2.0



Macierz pomylek dla algorytmu sklearn:Heart_Attack | number_of_trees : 2.0



5.6.1 Tablica naszego algorytmu dla number_of_trees = 2.0

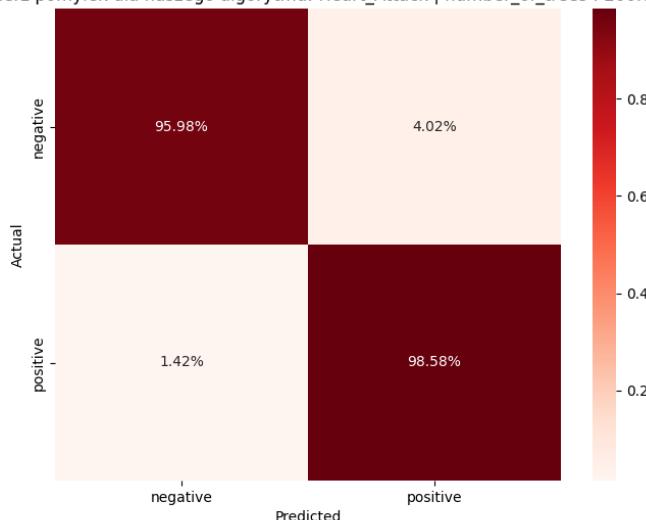
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	306,2000	101,8000	102,6000	545,4000	0,8064	0,7505	0,7490	0,8417	0,1583	0,7497	0,5919	0,1583
positive	545,4000	102,6000	101,8000	306,2000	0,8064	0,8417	0,8427	0,7505	0,2495	0,8422	0,5919	0,2495
overall	851,6000	204,4000	204,4000	851,6000	0,8064	0,8064	0,8064	0,8064	0,1936	0,8064	0,6129	0,1936

5.6.1 Tablica porównawczego algorytmu dla number_of_trees = 2.0

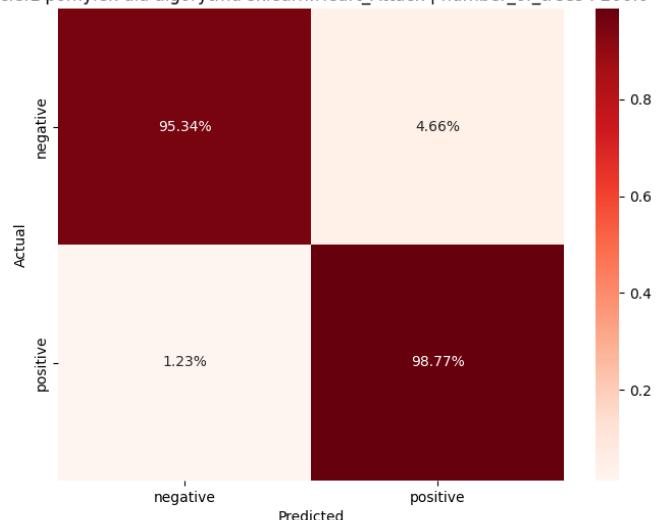
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	394,8000	13,2000	9,6000	638,4000	0,9784	0,9676	0,9763	0,9852	0,0148	0,9719	0,9544	0,0148
positive	638,4000	9,6000	13,2000	394,8000	0,9784	0,9852	0,9797	0,9676	0,0324	0,9824	0,9544	0,0324
overall	1033,2000	22,8000	22,8000	1033,2000	0,9784	0,9784	0,9784	0,9784	0,0216	0,9784	0,9568	0,0216

5.7.1 Porównanie confusion matrix dla number_of_trees = 200.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | number_of_trees : 200.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | number_of_trees : 200.0



5.7.1 Tablica naszego algorytmu dla number_of_trees = 200.0

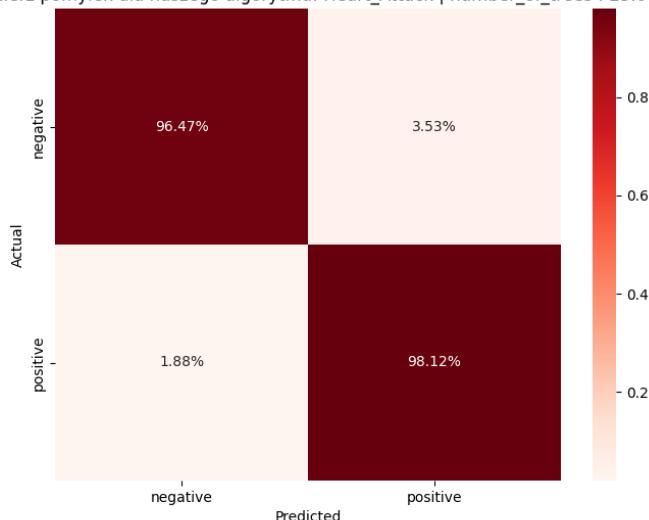
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	391,6000	16,4000	9,2000	638,8000	0,9758	0,9598	0,9770	0,9858	0,0142	0,9683	0,9488	0,0142
positive	638,8000	9,2000	16,4000	391,6000	0,9758	0,9858	0,9750	0,9598	0,0402	0,9804	0,9488	0,0402
overall	1030,4000	25,6000	25,6000	1030,4000	0,9758	0,9758	0,9758	0,9758	0,0242	0,9758	0,9515	0,0242

5.7.1 Tablica porównawczego algorytmu dla number_of_trees = 200.0

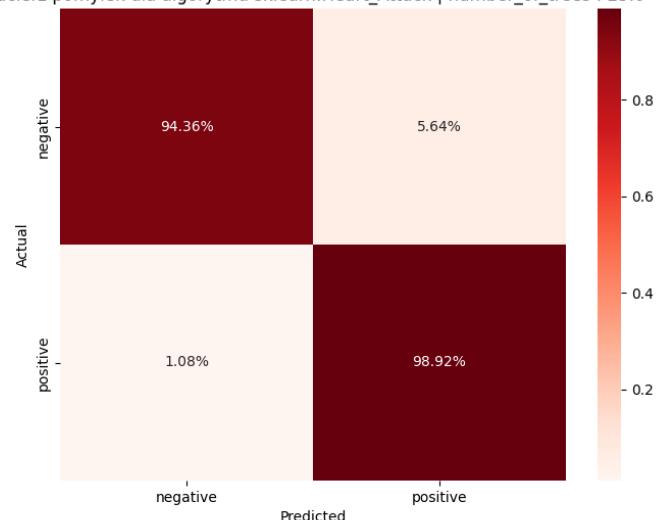
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	389,0000	19,0000	8,0000	640,0000	0,9744	0,9534	0,9798	0,9877	0,0123	0,9664	0,9460	0,0123
positive	640,0000	8,0000	19,0000	389,0000	0,9744	0,9877	0,9712	0,9534	0,0466	0,9794	0,9460	0,0466
overall	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256

5.8.1 Porównanie confusion matrix dla number_of_trees = 25.0

Macierz pomylek dla naszego algorytmu: Heart_Attack | number_of_trees : 25.0



Macierz pomylek dla algorytmu sklearn:Heart_Attack | number_of_trees : 25.0



5.8.1 Tablica naszego algorytmu dla number_of_trees = 25.0

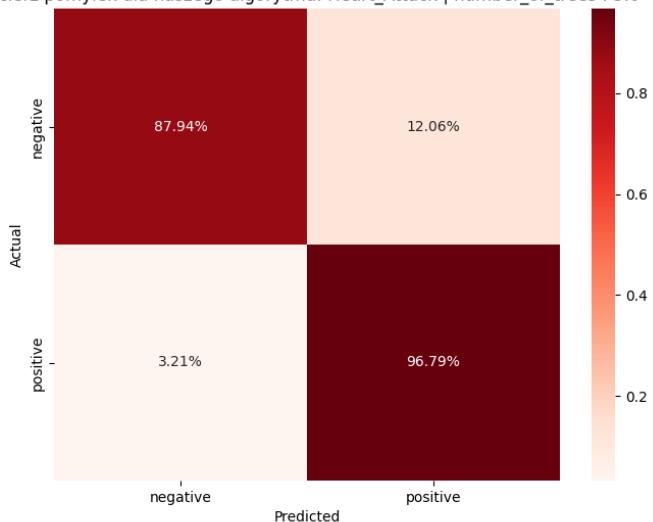
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	393,6000	14,4000	12,2000	635,8000	0,9748	0,9647	0,9699	0,9812	0,0188	0,9673	0,9468	0,0188
positive	635,8000	12,2000	14,4000	393,6000	0,9748	0,9812	0,9779	0,9647	0,0353	0,9795	0,9468	0,0353
overall	1029,4000	26,6000	26,6000	1029,4000	0,9748	0,9748	0,9748	0,9748	0,0252	0,9748	0,9496	0,0252

5.8.1 Tablica porównawczego algorytmu dla number_of_trees = 25.0

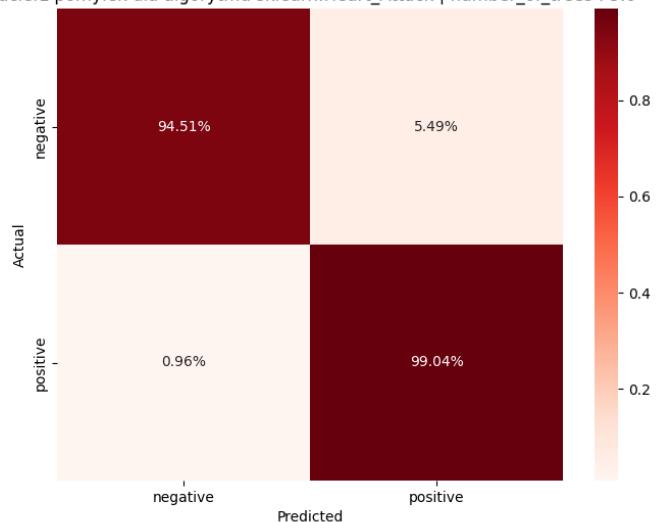
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	385,0000	23,0000	7,0000	641,0000	0,9716	0,9436	0,9821	0,9892	0,0108	0,9625	0,9401	0,0108
positive	641,0000	7,0000	23,0000	385,0000	0,9716	0,9892	0,9654	0,9436	0,0564	0,9772	0,9401	0,0564
overall	1026,0000	30,0000	30,0000	1026,0000	0,9716	0,9716	0,9716	0,9716	0,0284	0,9716	0,9432	0,0284

5.9.1 Porównanie confusion matrix dla number_of_trees = 5.0

Macierz pomylek dla naszego algorytmu: Heart_Attack | number_of_trees : 5.0



Macierz pomylek dla algorytmu sklearn:Heart_Attack | number_of_trees : 5.0



5.9.1 Tablica naszego algorytmu dla number_of_trees = 5.0

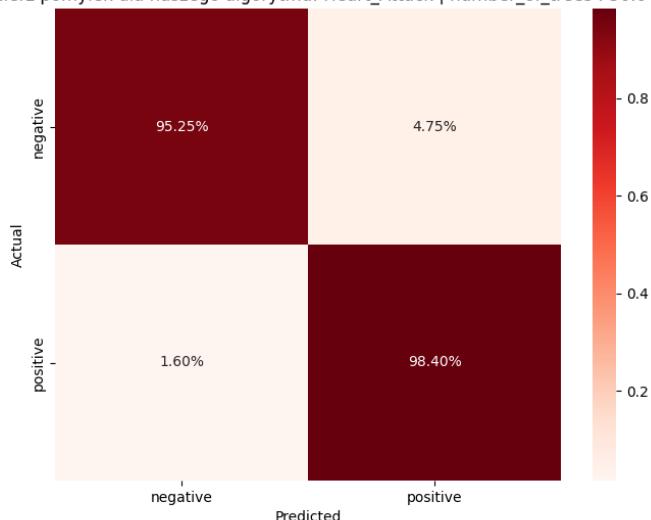
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	358,8000	49,2000	20,8000	627,2000	0,9337	0,8794	0,9452	0,9679	0,0321	0,9111	0,8598	0,0321
positive	627,2000	20,8000	49,2000	358,8000	0,9337	0,9679	0,9273	0,8794	0,1206	0,9472	0,8598	0,1206
overall	986,0000	70,0000	70,0000	986,0000	0,9337	0,9337	0,9337	0,9337	0,0663	0,9337	0,8674	0,0663

5.9.1 Tablica porównawczego algorytmu dla number_of_trees = 5.0

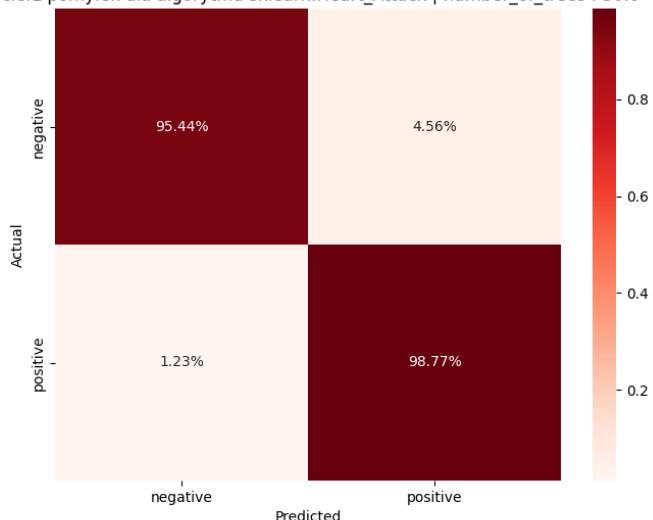
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	385,6000	22,4000	6,2000	641,8000	0,9729	0,9451	0,9842	0,9904	0,0096	0,9643	0,9430	0,0096
positive	641,8000	6,2000	22,4000	385,6000	0,9729	0,9904	0,9663	0,9451	0,0549	0,9782	0,9430	0,0549
overall	1027,4000	28,6000	28,6000	1027,4000	0,9729	0,9729	0,9729	0,9729	0,0271	0,9729	0,9458	0,0271

5.10.1 Porównanie confusion matrix dla number_of_trees = 50.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | number_of_trees : 50.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | number_of_trees : 50.0



5.10.1 Tablica naszego algorytmu dla number_of_trees = 50.0

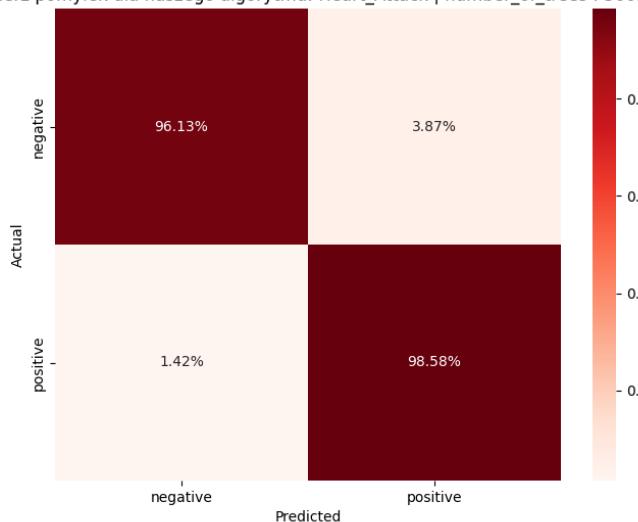
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,6000	19,4000	10,4000	637,6000	0,9718	0,9525	0,9739	0,9840	0,0160	0,9631	0,9404	0,0160
positive	637,6000	10,4000	19,4000	388,6000	0,9718	0,9840	0,9705	0,9525	0,0475	0,9772	0,9404	0,0475
overall	1026,2000	29,8000	29,8000	1026,2000	0,9718	0,9718	0,9718	0,9718	0,0282	0,9718	0,9436	0,0282

5.10.1 Tablica porównawczego algorytmu dla number_of_trees = 50.0

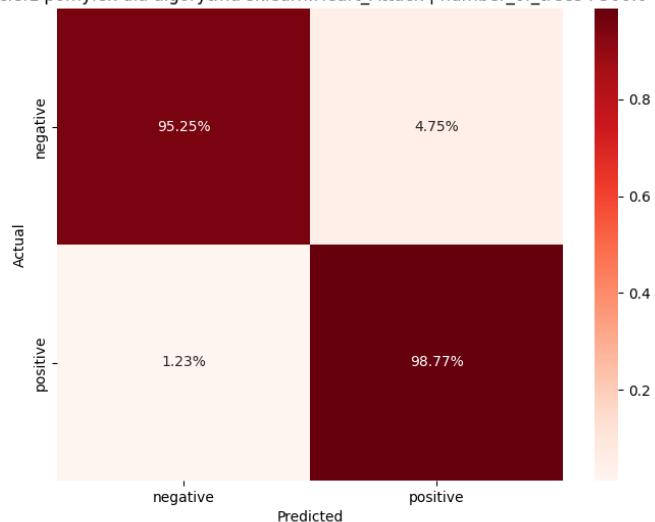
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	389,4000	18,6000	8,0000	640,0000	0,9748	0,9544	0,9799	0,9877	0,0123	0,9670	0,9468	0,0123
positive	640,0000	8,0000	18,6000	389,4000	0,9748	0,9877	0,9718	0,9544	0,0456	0,9797	0,9468	0,0456
overall	1029,4000	26,6000	26,6000	1029,4000	0,9748	0,9748	0,9748	0,9748	0,0252	0,9748	0,9496	0,0252

5.11.1 Porównanie confusion matrix dla number_of_trees = 500.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | number_of_trees : 500.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | number_of_trees : 500.0



5.11.1 Tablica naszego algorytmu dla number_of_trees = 500.0

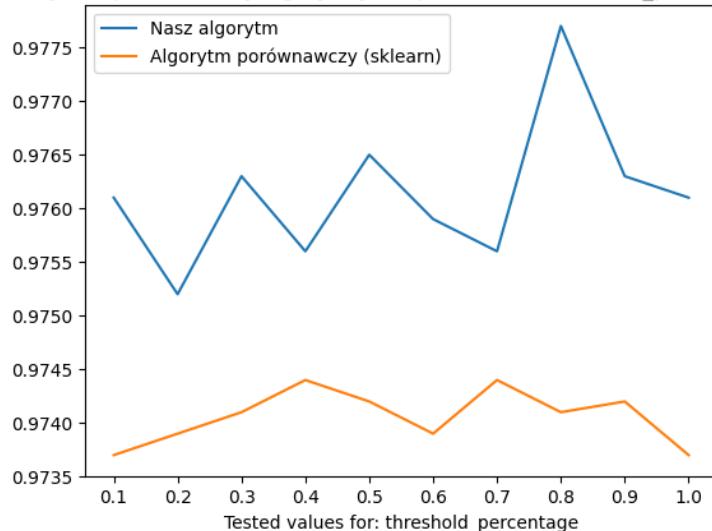
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,2000	15,8000	9,2000	638,8000	0,9763	0,9613	0,9771	0,9858	0,0142	0,9691	0,9500	0,0142
positive	638,8000	9,2000	15,8000	392,2000	0,9763	0,9858	0,9759	0,9613	0,0387	0,9808	0,9500	0,0387
overall	1031,0000	25,0000	25,0000	1031,0000	0,9763	0,9763	0,9763	0,9763	0,0237	0,9763	0,9527	0,0237

5.11.1 Tablica porównawczego algorytmu dla number_of_trees = 500.0

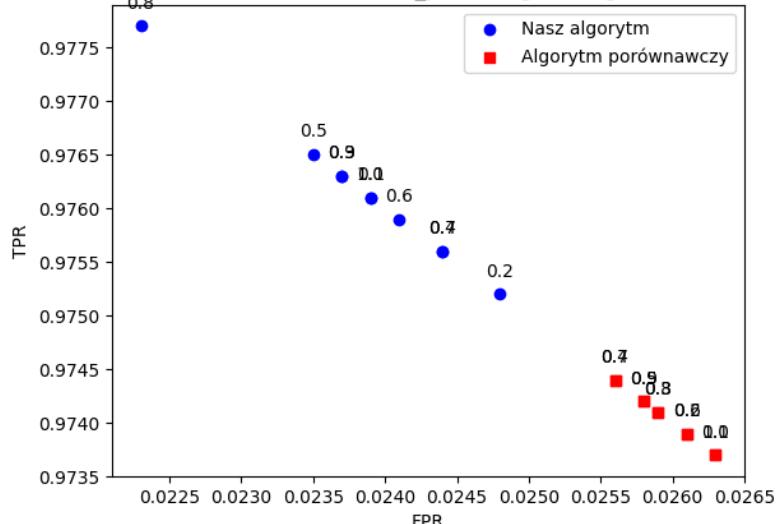
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,6000	19,4000	8,0000	640,0000	0,9741	0,9525	0,9798	0,9877	0,0123	0,9660	0,9452	0,0123
positive	640,0000	8,0000	19,4000	388,6000	0,9741	0,9877	0,9706	0,9525	0,0475	0,9791	0,9452	0,0475
overall	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259

6.1.1 Wykres precyzji oraz wykres ROC dla zmiany parametru: threshold_percentage

Wykres porównawczy algorytmy dla parametru: threshold_percentage



ROC for threshold_percentage change



6.1.1 Tablica naszego algorytmu dla zmiany parametru: threshold_percentage

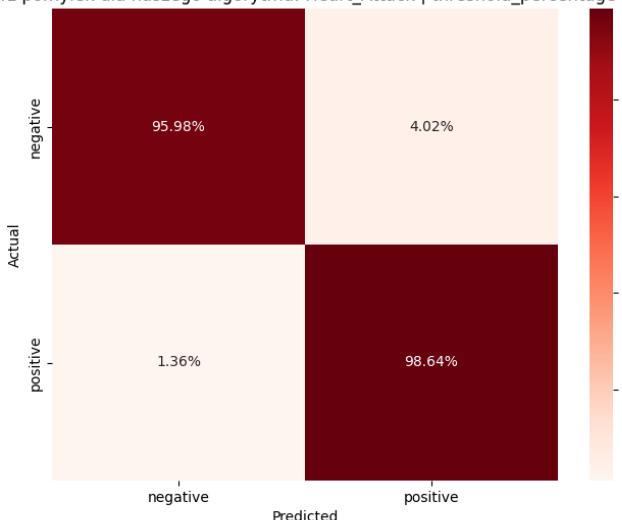
	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
0.1	1030,8000	25,2000	25,2000	1030,8000	0,9761	0,9761	0,9761	0,9761	0,0239	0,9761	0,9523	0,0239
0.2	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248
0.3	1031,0000	25,0000	25,0000	1031,0000	0,9763	0,9763	0,9763	0,9763	0,0237	0,9763	0,9527	0,0237
0.4	1030,2000	25,8000	25,8000	1030,2000	0,9756	0,9756	0,9756	0,9756	0,0244	0,9756	0,9511	0,0244
0.5	1031,2000	24,8000	24,8000	1031,2000	0,9765	0,9765	0,9765	0,9765	0,0235	0,9765	0,9530	0,0235
0.6	1030,6000	25,4000	25,4000	1030,6000	0,9759	0,9759	0,9759	0,9759	0,0241	0,9759	0,9519	0,0241
0.7	1030,2000	25,8000	25,8000	1030,2000	0,9756	0,9756	0,9756	0,9756	0,0244	0,9756	0,9511	0,0244
0.8	1032,4000	23,6000	23,6000	1032,4000	0,9777	0,9777	0,9777	0,9777	0,0223	0,9777	0,9553	0,0223
0.9	1031,0000	25,0000	25,0000	1031,0000	0,9763	0,9763	0,9763	0,9763	0,0237	0,9763	0,9527	0,0237
1.0	1030,8000	25,2000	25,2000	1030,8000	0,9761	0,9761	0,9761	0,9761	0,0239	0,9761	0,9523	0,0239

6.1.1 Tablica porównawczego algorytmu dla zmiany parametru: threshold_percentage

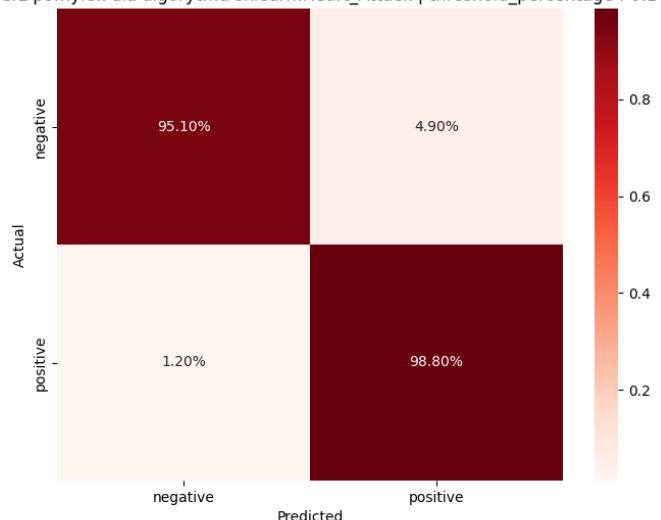
	TN	FP	FN	TP	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
0.1	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263
0.2	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261
0.3	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259
0.4	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256
0.5	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258
0.6	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261
0.7	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256
0.8	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259
0.9	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258
1.0	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263

6.2.1 Porównanie confusion matrix dla threshold_percentage = 0.1

Macierz pomyłek dla naszego algorytmu: Heart_Attack | threshold_percentage : 0.1



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | threshold_percentage : 0.1



6.2.1 Tablica naszego algorytmu dla threshold_percentage = 0.1

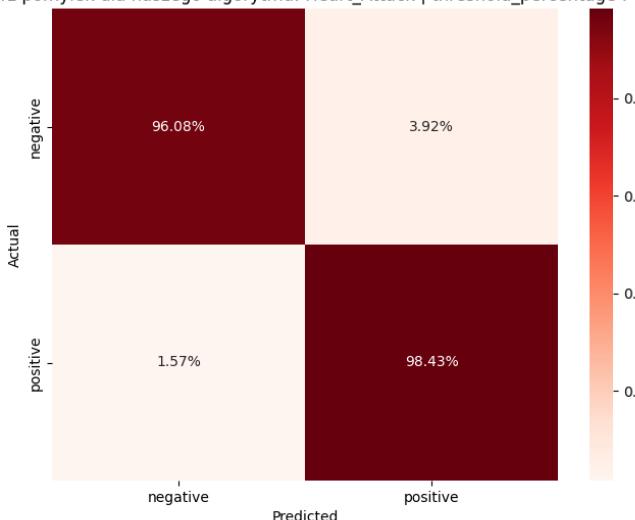
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	391,6000	16,4000	8,8000	639,2000	0,9761	0,9598	0,9780	0,9864	0,0136	0,9688	0,9496	0,0136
positive	639,2000	8,8000	16,4000	391,6000	0,9761	0,9864	0,9750	0,9598	0,0402	0,9807	0,9496	0,0402
overall	1030,8000	25,2000	25,2000	1030,8000	0,9761	0,9761	0,9761	0,9761	0,0239	0,9761	0,9523	0,0239

6.2.1 Tablica porównawczego algorytmu dla threshold_percentage = 0.1

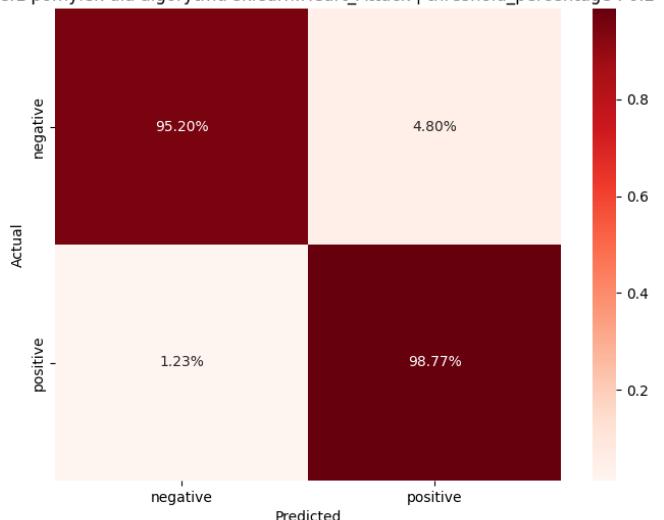
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,0000	20,0000	7,8000	640,2000	0,9737	0,9510	0,9803	0,9880	0,0120	0,9654	0,9445	0,0120
positive	640,2000	7,8000	20,0000	388,0000	0,9737	0,9880	0,9697	0,9510	0,0490	0,9788	0,9445	0,0490
overall	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263

6.3.1 Porównanie confusion matrix dla threshold_percentage = 0.2

Macierz pomyłek dla naszego algorytmu: Heart_Attack | threshold_percentage : 0.2



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | threshold_percentage : 0.2



6.3.1 Tablica naszego algorytmu dla threshold_percentage = 0.2

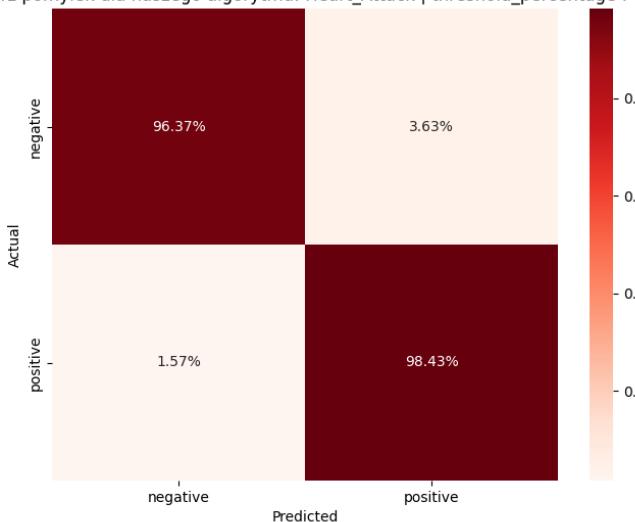
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,0000	16,0000	10,2000	637,8000	0,9752	0,9608	0,9746	0,9843	0,0157	0,9677	0,9476	0,0157
positive	637,8000	10,2000	16,0000	392,0000	0,9752	0,9843	0,9755	0,9608	0,0392	0,9799	0,9476	0,0392
overall	1029,8000	26,2000	26,2000	1029,8000	0,9752	0,9752	0,9752	0,9752	0,0248	0,9752	0,9504	0,0248

6.3.1 Tablica porównawczego algorytmu dla threshold_percentage = 0.2

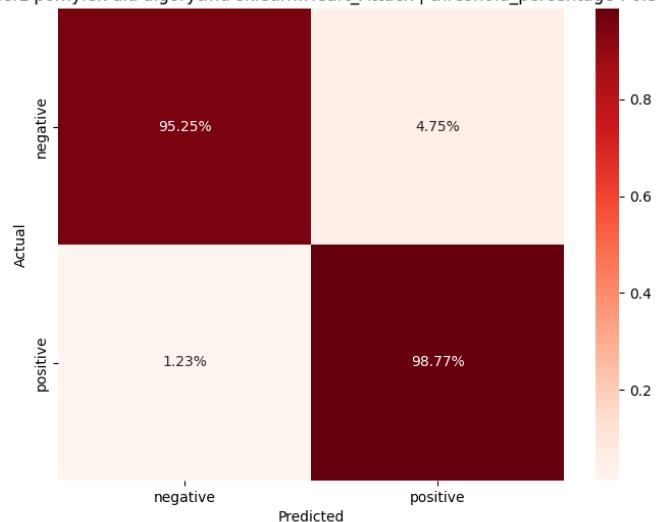
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,4000	19,6000	8,0000	640,0000	0,9739	0,9520	0,9798	0,9877	0,0123	0,9657	0,9448	0,0123
positive	640,0000	8,0000	19,6000	388,4000	0,9739	0,9877	0,9703	0,9520	0,0480	0,9789	0,9448	0,0480
overall	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261

6.4.1 Porównanie confusion matrix dla threshold_percentage = 0.3

Macierz pomyłek dla naszego algorytmu: Heart_Attack | threshold_percentage : 0.3



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | threshold_percentage : 0.3



6.4.1 Tablica naszego algorytmu dla threshold_percentage = 0.3

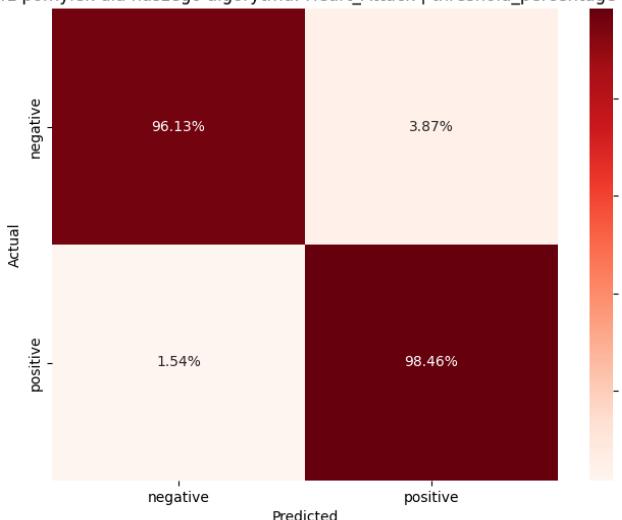
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	393,2000	14,8000	10,2000	637,8000	0,9763	0,9637	0,9747	0,9843	0,0157	0,9692	0,9500	0,0157
positive	637,8000	10,2000	14,8000	393,2000	0,9763	0,9843	0,9773	0,9637	0,0363	0,9808	0,9500	0,0363
overall	1031,0000	25,0000	25,0000	1031,0000	0,9763	0,9763	0,9763	0,9763	0,0237	0,9763	0,9527	0,0237

6.4.1 Tablica porównawczego algorytmu dla threshold_percentage = 0.3

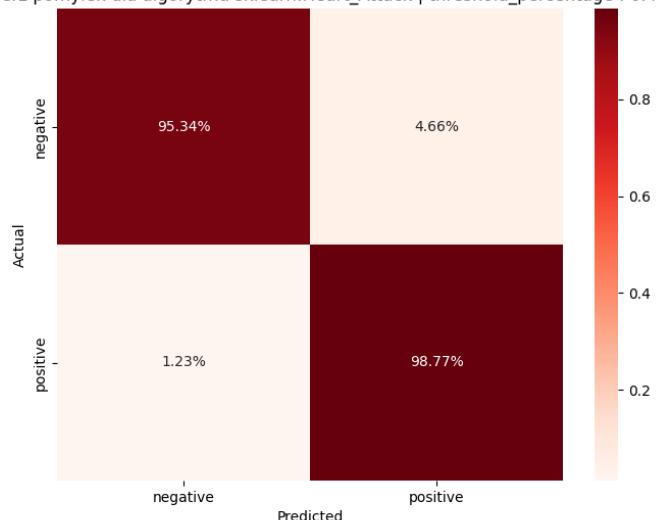
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,6000	19,4000	8,0000	640,0000	0,9741	0,9525	0,9798	0,9877	0,0123	0,9660	0,9452	0,0123
positive	640,0000	8,0000	19,4000	388,6000	0,9741	0,9877	0,9706	0,9525	0,0475	0,9791	0,9452	0,0475
overall	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259

6.5.1 Porównanie confusion matrix dla threshold_percentage = 0.4

Macierz pomyłek dla naszego algorytmu: Heart_Attack | threshold_percentage : 0.4



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | threshold_percentage : 0.4



6.5.1 Tablica naszego algorytmu dla threshold_percentage = 0.4

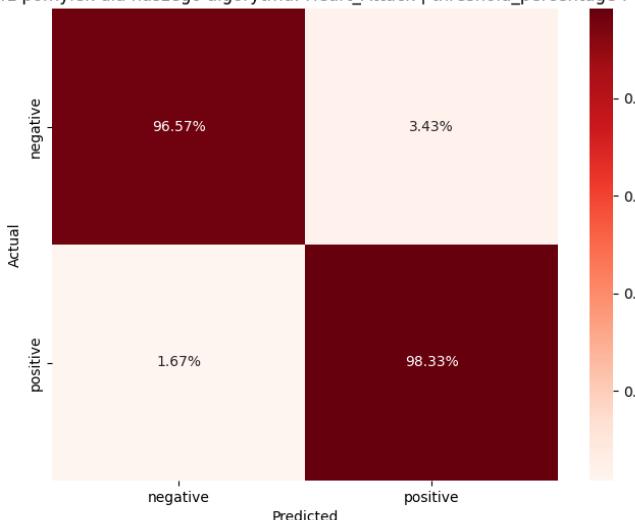
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	392,2000	15,8000	10,0000	638,0000	0,9756	0,9613	0,9751	0,9846	0,0154	0,9682	0,9484	0,0154
positive	638,0000	10,0000	15,8000	392,2000	0,9756	0,9846	0,9758	0,9613	0,0387	0,9802	0,9484	0,0387
overall	1030,2000	25,8000	25,8000	1030,2000	0,9756	0,9756	0,9756	0,9756	0,0244	0,9756	0,9511	0,0244

6.5.1 Tablica porównawczego algorytmu dla threshold_percentage = 0.4

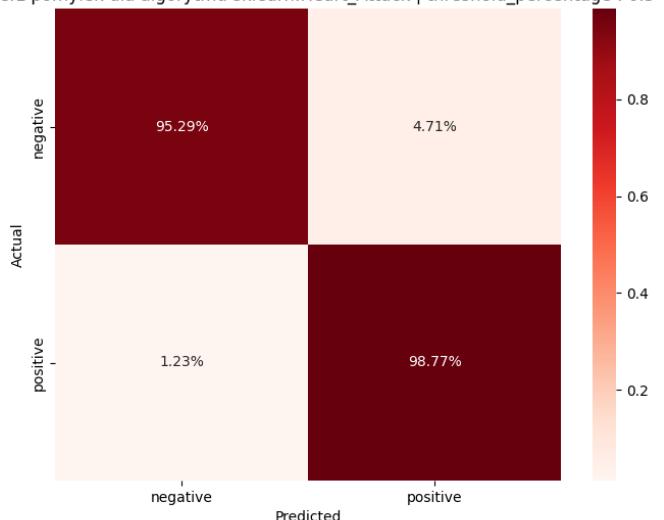
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	389,0000	19,0000	8,0000	640,0000	0,9744	0,9534	0,9798	0,9877	0,0123	0,9664	0,9460	0,0123
positive	640,0000	8,0000	19,0000	389,0000	0,9744	0,9877	0,9712	0,9534	0,0466	0,9794	0,9460	0,0466
overall	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256

6.6.1 Porównanie confusion matrix dla threshold_percentage = 0.5

Macierz pomyłek dla naszego algorytmu: Heart_Attack | threshold_percentage : 0.5



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | threshold_percentage : 0.5



6.6.1 Tablica naszego algorytmu dla threshold_percentage = 0.5

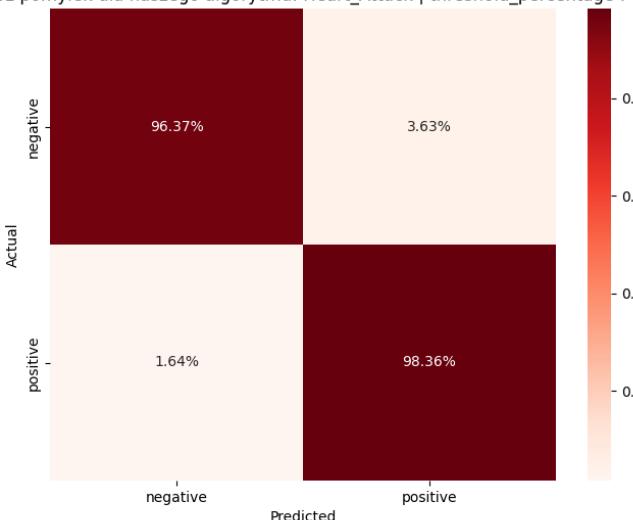
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	394,0000	14,0000	10,8000	637,2000	0,9765	0,9657	0,9733	0,9833	0,0167	0,9695	0,9504	0,0167
positive	637,2000	10,8000	14,0000	394,0000	0,9765	0,9833	0,9785	0,9657	0,0343	0,9809	0,9504	0,0343
overall	1031,2000	24,8000	24,8000	1031,2000	0,9765	0,9765	0,9765	0,9765	0,0235	0,9765	0,9530	0,0235

6.6.1 Tablica porównawczego algorytmu dla threshold_percentage = 0.5

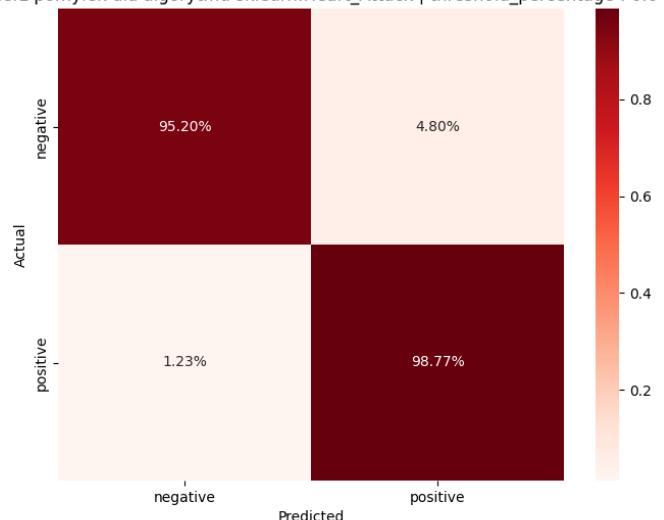
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,8000	19,2000	8,0000	640,0000	0,9742	0,9529	0,9798	0,9877	0,0123	0,9662	0,9456	0,0123
positive	640,0000	8,0000	19,2000	388,8000	0,9742	0,9877	0,9709	0,9529	0,0471	0,9792	0,9456	0,0471
overall	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258

6.7.1 Porównanie confusion matrix dla threshold_percentage = 0.6

Macierz pomyłek dla naszego algorytmu: Heart_Attack | threshold_percentage : 0.6



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | threshold_percentage : 0.6



6.7.1 Tablica naszego algorytmu dla threshold_percentage = 0.6

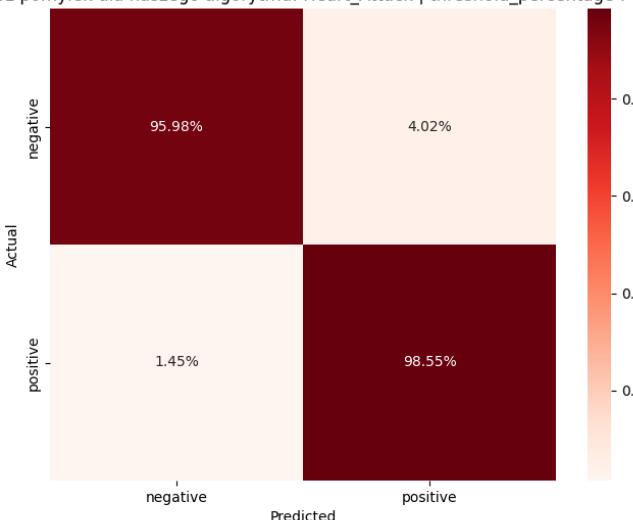
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	393,2000	14,8000	10,6000	637,4000	0,9759	0,9637	0,9737	0,9836	0,0164	0,9687	0,9492	0,0164
positive	637,4000	10,6000	14,8000	393,2000	0,9759	0,9836	0,9773	0,9637	0,0363	0,9804	0,9492	0,0363
overall	1030,6000	25,4000	25,4000	1030,6000	0,9759	0,9759	0,9759	0,9759	0,0241	0,9759	0,9519	0,0241

6.7.1 Tablica porównawczego algorytmu dla threshold_percentage = 0.6

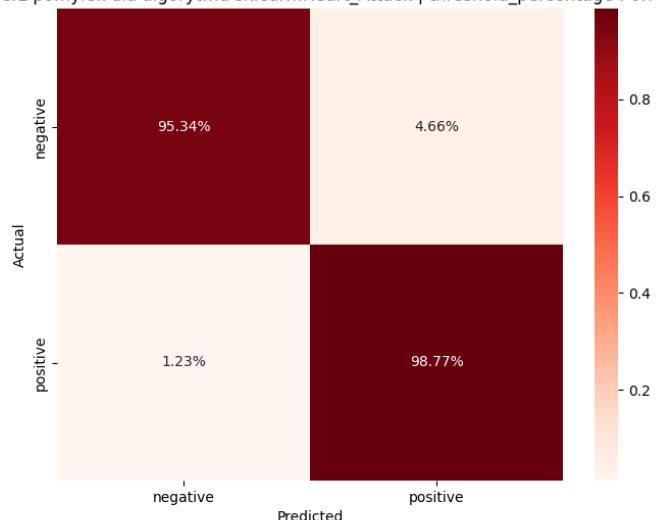
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,4000	19,6000	8,0000	640,0000	0,9739	0,9520	0,9798	0,9877	0,0123	0,9657	0,9448	0,0123
positive	640,0000	8,0000	19,6000	388,4000	0,9739	0,9877	0,9703	0,9520	0,0480	0,9789	0,9448	0,0480
overall	1028,4000	27,6000	27,6000	1028,4000	0,9739	0,9739	0,9739	0,9739	0,0261	0,9739	0,9477	0,0261

6.8.1 Porównanie confusion matrix dla threshold_percentage = 0.7

Macierz pomyłek dla naszego algorytmu: Heart_Attack | threshold_percentage : 0.7



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | threshold_percentage : 0.7



6.8.1 Tablica naszego algorytmu dla threshold_percentage = 0.7

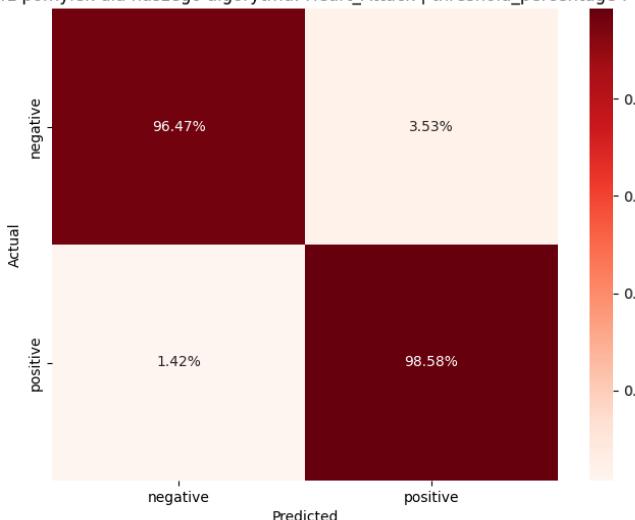
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	391,6000	16,4000	9,4000	638,6000	0,9756	0,9598	0,9766	0,9855	0,0145	0,9681	0,9484	0,0145
positive	638,6000	9,4000	16,4000	391,6000	0,9756	0,9855	0,9750	0,9598	0,0402	0,9802	0,9484	0,0402
overall	1030,2000	25,8000	25,8000	1030,2000	0,9756	0,9756	0,9756	0,9756	0,0244	0,9756	0,9511	0,0244

6.8.1 Tablica porównawczego algorytmu dla threshold_percentage = 0.7

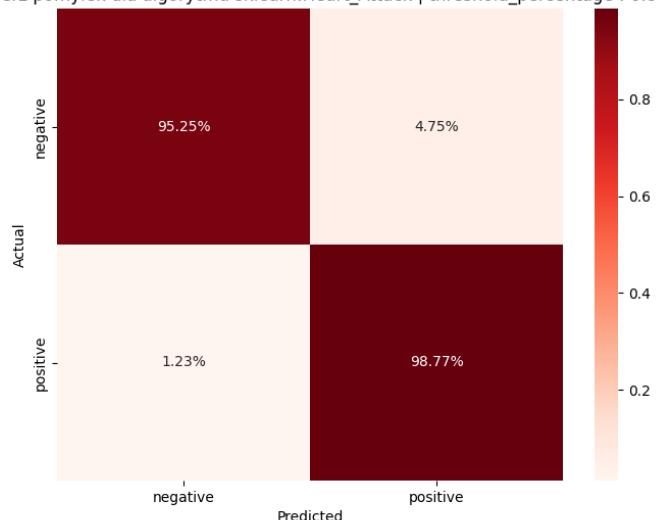
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	389,0000	19,0000	8,0000	640,0000	0,9744	0,9534	0,9798	0,9877	0,0123	0,9664	0,9460	0,0123
positive	640,0000	8,0000	19,0000	389,0000	0,9744	0,9877	0,9712	0,9534	0,0466	0,9794	0,9460	0,0466
overall	1029,0000	27,0000	27,0000	1029,0000	0,9744	0,9744	0,9744	0,9744	0,0256	0,9744	0,9489	0,0256

6.9.1 Porównanie confusion matrix dla threshold_percentage = 0.8

Macierz pomyłek dla naszego algorytmu: Heart_Attack | threshold_percentage : 0.8



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | threshold_percentage : 0.8



6.9.1 Tablica naszego algorytmu dla threshold_percentage = 0.8

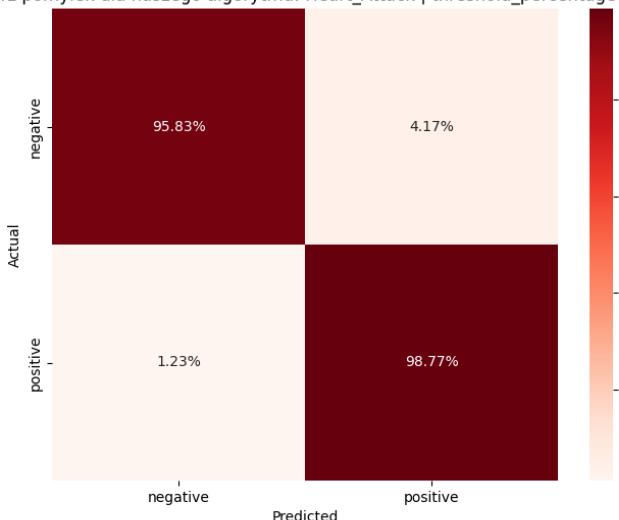
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	393,6000	14,4000	9,2000	638,8000	0,9777	0,9647	0,9772	0,9858	0,0142	0,9709	0,9528	0,0142
positive	638,8000	9,2000	14,4000	393,6000	0,9777	0,9858	0,9780	0,9647	0,0353	0,9819	0,9528	0,0353
overall	1032,4000	23,6000	23,6000	1032,4000	0,9777	0,9777	0,9777	0,9777	0,0223	0,9777	0,9553	0,0223

6.9.1 Tablica porównawczego algorytmu dla threshold_percentage = 0.8

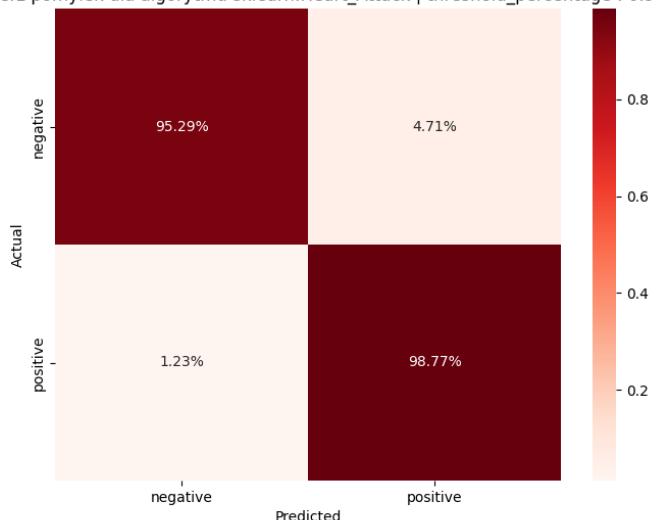
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,6000	19,4000	8,0000	640,0000	0,9741	0,9525	0,9798	0,9877	0,0123	0,9660	0,9452	0,0123
positive	640,0000	8,0000	19,4000	388,6000	0,9741	0,9877	0,9706	0,9525	0,0475	0,9791	0,9452	0,0475
overall	1028,6000	27,4000	27,4000	1028,6000	0,9741	0,9741	0,9741	0,9741	0,0259	0,9741	0,9481	0,0259

6.10.1 Porównanie confusion matrix dla threshold_percentage = 0.9

Macierz pomyłek dla naszego algorytmu: Heart_Attack | threshold_percentage : 0.9



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | threshold_percentage : 0.9



6.10.1 Tablica naszego algorytmu dla threshold_percentage = 0.9

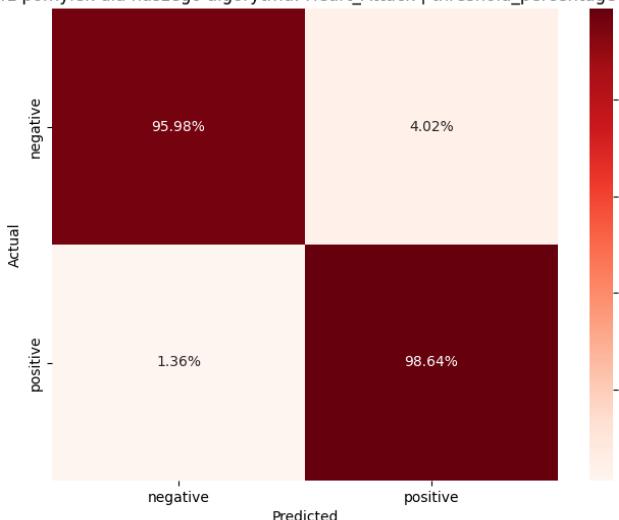
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	391,0000	17,0000	8,0000	640,0000	0,9763	0,9583	0,9799	0,9877	0,0123	0,9690	0,9500	0,0123
positive	640,0000	8,0000	17,0000	391,0000	0,9763	0,9877	0,9741	0,9583	0,0417	0,9809	0,9500	0,0417
overall	1031,0000	25,0000	25,0000	1031,0000	0,9763	0,9763	0,9763	0,9763	0,0237	0,9763	0,9527	0,0237

6.10.1 Tablica porównawczego algorytmu dla threshold_percentage = 0.9

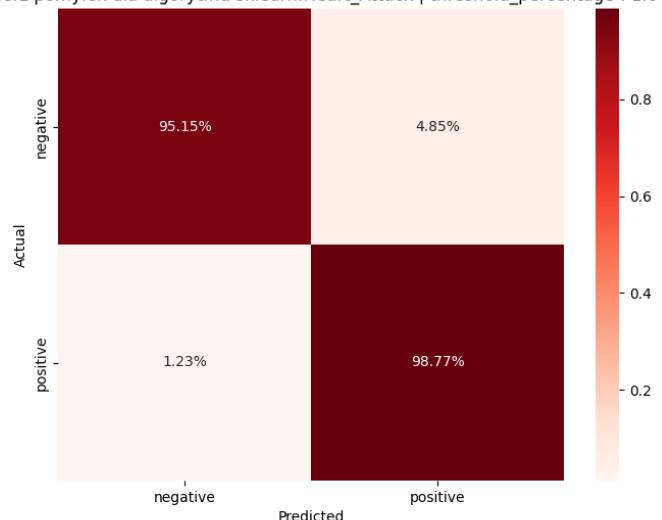
	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,8000	19,2000	8,0000	640,0000	0,9742	0,9529	0,9798	0,9877	0,0123	0,9662	0,9456	0,0123
positive	640,0000	8,0000	19,2000	388,8000	0,9742	0,9877	0,9709	0,9529	0,0471	0,9792	0,9456	0,0471
overall	1028,8000	27,2000	27,2000	1028,8000	0,9742	0,9742	0,9742	0,9742	0,0258	0,9742	0,9485	0,0258

6.11.1 Porównanie confusion matrix dla threshold_percentage = 1.0

Macierz pomyłek dla naszego algorytmu: Heart_Attack | threshold_percentage : 1.0



Macierz pomyłek dla algorytmu sklearn:Heart_Attack | threshold_percentage : 1.0



6.11.1 Tablica naszego algorytmu dla threshold_percentage = 1.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	391,6000	16,4000	8,8000	639,2000	0,9761	0,9598	0,9780	0,9864	0,0136	0,9688	0,9496	0,0136
positive	639,2000	8,8000	16,4000	391,6000	0,9761	0,9864	0,9750	0,9598	0,0402	0,9807	0,9496	0,0402
overall	1030,8000	25,2000	25,2000	1030,8000	0,9761	0,9761	0,9761	0,9761	0,0239	0,9761	0,9523	0,0239

6.11.1 Tablica porównawczego algorytmu dla threshold_percentage = 1.0

	TP	FN	FP	TN	ACC	TPR	PPV	TNR	FAR	F1	MCC	FPR
negative	388,2000	19,8000	8,0000	640,0000	0,9737	0,9515	0,9798	0,9877	0,0123	0,9654	0,9444	0,0123
positive	640,0000	8,0000	19,8000	388,2000	0,9737	0,9877	0,9700	0,9515	0,0485	0,9788	0,9444	0,0485
overall	1028,2000	27,8000	27,8000	1028,2000	0,9737	0,9737	0,9737	0,9737	0,0263	0,9737	0,9473	0,0263