age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	ср_0	cp_1	cp_2	cp_3	thal_0
52	1	125	212	0	1	168	0	1	2	0	0	0	0	0	0
51	0	140	308	0	0	142	0	1.5	1	1	0	0	0	0	0
63	0	135	252	0	0	172	0	0	0	1	0	0	0	0	0
42	0	120	209	0	1	173	0	0	0	1	0	0	0	0	0
44	1	130	233	0	1	179	1	0.4	0	1	0	0	0	0	0
56	1	130	256	1	0	142	1	0.6	1	0	0	0	0	0	0
44	1	120	169	0	1	144	1	2.8	0	0	0	0	0	0	0
57	1	130	131	0	1	115	1	1.2	1	0	0	0	0	0	0
59	1	138	271	0	0	182	0	0	0	1	0	0	0	0	0
64	1	128	263	0	1	105	1	0.2	1	1	0	0	0	0	0
56	1	120	193	0	0	162	0	1.9	0	1	0	0	0	0	0
29	1	130	204	0	0	202	0	0	0	1	0	0	0	0	0
29	1	130	204	0	0	202	0	0	0	1	0	0	0	0	0
56	1	125	249	1	0	144	1	1.2	1	0	0	0	0	0	0
48	1	124	255	1	1	175	0	0	2	1	0	0	0	0	0
62	1	128	208	1	0	140	0	0	0	1	0	0	0	0	0
43	0	122	213	0	1	165	0	0.2	0	1	0	0	0	0	0
52	1	118	186	0	0	190	0	0	0	1	0	0	0	0	0
61	0	145	307	0	0	146	1	1	0	0	0	0	0	0	0
51	0	120	295	0	0	157	0	0.6	0	1	0	0	0	0	0
58	1	114	318	0	2	140	0	4.4	3	0	0	0	0	0	0
77	1	125	304	0	0	162	1	0	3	0	0	0	0	0	0
43	1	130	315	0	1	162	0	1.9	1	1	0	0	0	0	0
43	1	150	247	0	1	171	0	1.5	0	1	0	0	0	0	0
56	1	130	283	1	0	103	1	1.6	0	0	0	0	0	0	0
56	1	120	240	0	1	169	0	0	0	1	0	0	0	0	0
56	0	200	288	1	0	133	1	4	2	0	0	0	0	0	0
42	1	130	180	0	1	150	0	0	0	1	0	0	0	0	0
40	1	110	167	0	0	114	1	2	0	0	0	0	0	0	0
56	1	125	249	1	0	144	1	1.2	1	0	0	0	0	0	0
67	1	160	286	0	0	108	1	1.5	3	0	0	0	0	0	0
58	1	100	234	0	1	156	0	0.1	1	0	0	0	0	0	0
62	0	124	209	0	1	163	0	0	0	1	0	0	0	0	0
41	1	112	250	0	1	179	0	0	0	1	0	0	0	0	0
67	1	100	299	0	0	125	1	0.9	2	0	0	0	0	0	0

thal_1	thal_2	thal_3	slope_0	slope_1	slope_2	From: target	Into: target	Predicted Probability: target=0	Predicted Probability: target=1
0	0	0	0	0	0	0	0	0.7917104	0.2082896
0	0	0	0	0	0	1	0	0.7164876	0.2835124
0	0	0	0	0	0	1	1	0.0176017	0.9823983
0	0	0	0	0	0	1	1	0.0114455	0.9885545
0	0	0	0	0	0	1	1	0.3546313	0.6453687
0	0	0	0	0	0	0	0	0.9022912	0.0977088
0	0	0	0	0	0	0	0	0.755317	0.244683
0	0	0	0	0	0	0	0	0.9388123	0.0611877
0	0	0	0	0	0	1	1	0.1303721	0.8696279
0	0	0	0	0	0	1	0	0.9718411	0.0281589
0	0	0	0	0	0	1	1	0.220249	0.779751
0	0	0	0	0	0	1	1	0.0801011	0.9198989
0	0	0	0	0	0	1	1	0.0801011	0.9198989
0	0	0	0	0	0	0	0	0.9050626	0.0949374
0	0	0	0	0	0	1	0	0.5876157	0.4123843
0	0	0	0	0	0	1	1	0.1213845	0.8786155
0	0	0	0	0	0	1	1	0.018235	0.981765
0	0	0	0	0	0	1	1	0.0346974	0.9653026
0	0	0	0	0	0	0	1	0.4342138	0.5657862
0	0	0	0	0	0	1	1	0.0631646	0.9368354
0	0	0	0	0	0	0	0	0.9915358	0.0084642
0	0	0	0	0	0	0	0	0.8637341	0.1362659
0	0	0	0	0	0	1	0	0.9011189	0.0988811
0	0	0	0	0	0	1	1	0.4200222	0.5799778
0	0	0	0	0	0	0	0	0.9329347	0.0670653
0	0	0	0	0	0	1	1	0.0816849	0.9183151
0	0	0	0	0	0	0	0	0.9970458	0.0029542
0	0	0	0	0	0	1	1	0.1873299	0.8126701
0	0	0	0	0	0	0	0	0.8853563	0.1146437
0	0	0	0	0	0	0	0	0.9050626	0.0949374
0	0	0	0	0	0	0	0	0.9972688	0.0027312
0	0	0	0	0	0	0	1	0.338057	0.661943
0	0	0	0	0	0	1	1	0.0091018	0.9908982
0	0	0	0	0	0	1	1	0.0841477	0.9158523
0	0	0	0	0	0	0	0	0.985312	0.014688

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0
57	0	130	236	0	0	174	0	0	1	0	0	0	0	0	0
51	1	140	261	0	0	186	1	0	0	1	0	0	0	0	0
54	1	150	232	0	0	165	0	1.6	0	1	0	0	0	0	0
62	0	150	244	0	1	154	1	1.4	0	0	0	0	0	0	0
54	1	192	283	0	0	195	0	0	1	0	0	0	0	0	0
46	1	140	311	0	1	120	1	1.8	2	0	0	0	0	0	0
39	0	138	220	0	1	152	0	0	0	1	0	0	0	0	0
45	0	112	160	0	1	138	0	0	0	1	0	0	0	0	0
35	1	120	198	0	1	130	1	1.6	0	0	0	0	0	0	0
64	0	180	325	0	1	154	1	0	0	1	0	0	0	0	0
66	1	120	302	0	0	151	0	0.4	0	1	0	0	0	0	0
44	1	120	226	0	1	169	0	0	0	1	0	0	0	0	0
55	0	132	342	0	1	166	0	1.2	0	1	0	0	0	0	0
43	1	110	211	0	1	161	0	0	0	1	0	0	0	0	0
66	1	160	228	0	0	138	0	2.3	0	1	0	0	0	0	0
45	0	130	234	0	0	175	0	0.6	0	1	0	0	0	0	0
35	1	122	192	0	1	174	0	0	0	1	0	0	0	0	0
71	0	110	265	1	0	130	0	0	1	1	0	0	0	0	0
64	0	140	313	0	1	133	0	0.2	0	1	0	0	0	0	0
59	1	150	212	1	1	157	0	1.6	0	1	0	0	0	0	0
52	1	120	325	0	1	172	0	0.2	0	1	0	0	0	0	0
55	0	132	342	0	1	166	0	1.2	0	1	0	0	0	0	0
56	0	140	294	0	0	153	0	1.3	0	1	0	0	0	0	0
61	1	120	260	0	1	140	1	3.6	1	0	0	0	0	0	0
70	1	160	269	0	1	112	1	2.9	1	0	0	0	0	0	0
74	0	120	269	0	0	121	1	0.2	1	1	0	0	0	0	0
64	0	140	313	0	1	133	0	0.2	0	1	0	0	0	0	0
53	0	130	264	0	0	143	0	0.4	0	1	0	0	0	0	0
56	0	140	294	0	0	153	0	1.3	0	1	0	0	0	0	0
63	0	108	269	0	1	169	1	1.8	2	0	0	0	0	0	0
37	1	130	250	0	1	187	0	3.5	0	1	0	0	0	0	0
60	1	130	206	0	0	132	1	2.4	2	0	0	0	0	0	0
54	1	125	273	0	0	152	0	0.5	1	1	0	0	0	0	0
65	0	155	269	0	1	148	0	0.8	0	1	0	0	0	0	0
46	0	138	243	0	0	152	1	0	0	1	0	0	0	0	0

thal_1	thal_2	thal_3	slope_0	slope_1	slope_2	From: target	Into: target	Predicted Probability: target=0	Predicted Probability: target=1
0	0	0	0	0	0	0	1	0.0919763	0.9080237
0	0	0	0	0	0	1	1	0.3881954	0.6118046
0	0	0	0	0	0	1	1	0.4376741	0.5623259
0	0	0	0	0	0	0	1	0.2324155	0.7675845
0	0	0	0	0	0	0	0	0.7851301	0.2148699
0	0	0	0	0	0	0	0	0.9985649	0.0014351
0	0	0	0	0	0	1	1	0.0508364	0.9491636
0	0	0	0	0	0	1	1	0.0196796	0.9803204
0	0	0	0	0	0	0	0	0.8377769	0.1622231
0	0	0	0	0	0	1	1	0.4038653	0.5961347
0	0	0	0	0	0	1	1	0.278462	0.721538
0	0	0	0	0	0	1	1	0.1076055	0.8923945
0	0	0	0	0	0	1	1	0.0816161	0.9183839
0	0	0	0	0	0	1	1	0.1003197	0.8996803
0	0	0	0	0	0	1	0	0.7244199	0.2755801
0	0	0	0	0	0	1	1	0.0299802	0.9700198
0	0	0	0	0	0	1	1	0.0954063	0.9045937
0	0	0	0	0	0	1	1	0.1094874	0.8905126
0	0	0	0	0	0	1	1	0.1136693	0.8863307
0	0	0	0	0	0	1	1	0.2041622	0.7958378
0	0	0	0	0	0	1	1	0.1868276	0.8131724
0	0	0	0	0	0	1	1	0.0816161	0.9183839
0	0	0	0	0	0	1	1	0.1413574	0.8586426
0	0	0	0	0	0	0	0	0.9789083	0.0210917
0	0	0	0	0	0	0	0	0.9956384	0.0043616
0	0	0	0	0	0	1	0	0.6511747	0.3488253
0	0	0	0	0	0	1	1	0.1136693	0.8863307
0	0	0	0	0	0	1	1	0.0870579	0.9129421
0	0	0	0	0	0	1	1	0.1413574	0.8586426
0	0	0	0	0	0	0	0	0.6527825	0.3472175
0	0	0	0	0	0	1	1	0.4502098	0.5497902
0	0	0	0	0	0	0	0	0.9928509	0.0071491
0	0	0	0	0	0	1	0	0.7767428	0.2232572
0	0	0	0	0	0	1	1	0.0867412	0.9132588
0	0	0	0	0	0	1	1	0.2166923	0.7833077

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0
53	0	128	216	0	0	115	0	0	0	1	0	0	0	0	0
53	1	130	246	1	0	173	0	0	3	1	0	0	0	0	0
43	0	132	341	1	0	136	1	3	0	0	0	0	0	0	0
66	1	160	228	0	0	138	0	2.3	0	1	0	0	0	0	0
67	1	120	237	0	1	71	0	1	0	0	0	0	0	0	0
58	1	146	218	0	1	105	0	2	1	0	0	0	0	0	0
58	1	132	224	0	0	173	0	3.2	2	0	0	0	0	0	0
59	1	110	239	0	0	142	1	1.2	1	0	0	0	0	0	0
58	1	150	270	0	0	111	1	0.8	0	0	0	0	0	0	0
58	1	100	234	0	1	156	0	0.1	1	0	0	0	0	0	0
57	1	150	276	0	0	112	1	0.6	1	0	0	0	0	0	0
70	1	130	322	0	0	109	0	2.4	3	0	0	0	0	0	0
41	0	130	204	0	0	172	0	1.4	0	1	0	0	0	0	0
60	0	102	318	0	1	160	0	0	1	1	0	0	0	0	0
41	0	112	268	0	0	172	1	0	0	1	0	0	0	0	0
67	1	120	229	0	0	129	1	2.6	2	0	0	0	0	0	0
60	1	140	293	0	0	170	0	1.2	2	0	0	0	0	0	0
57	1	150	168	0	1	174	0	1.6	0	1	0	0	0	0	0
53	1	130	246	1	0	173	0	0	3	1	0	0	0	0	0
51	0	120	295	0	0	157	0	0.6	0	1	0	0	0	0	0
49	0	134	271	0	1	162	0	0	0	1	0	0	0	0	0
49	0	134	271	0	1	162	0	0	0	1	0	0	0	0	0
48	1	124	255	1	1	175	0	0	2	1	0	0	0	0	0
43	1	110	211	0	1	161	0	0	0	1	0	0	0	0	0
67	0	115	564	0	0	160	0	1.6	0	1	0	0	0	0	0
38	1	138	175	0	1	173	0	0	4	1	0	0	0	0	0
60	0	150	240	0	1	171	0	0.9	0	1	0	0	0	0	0
51	0	130	305	0	1	142	1	1.2	0	0	0	0	0	0	0
41	1	110	172	0	0	158	0	0	0	0	0	0	0	0	0
51	1	125	245	1	0	166	0	2.4	0	1	0	0	0	0	0
57	1	154	232	0	0	164	0	0	1	0	0	0	0	0	0
61	1	120	260	0	1	140	1	3.6	1	0	0	0	0	0	0
44	1	112	290	0	0	153	0	0	1	0	0	0	0	0	0
41	0	105	198	0	1	168	0	0	1	1	0	0	0	0	0
61	1	148	203	0	1	161	0	0	1	0	0	0	0	0	0

thal_1	thal_2	thal_3	slope_0	slope_1	slope_2	From: target	Into: target	Predicted Probability: target=0	Predicted Probability: target=1
0	0	0	0	0	0	1	1	0.1198454	0.8801546
0	0	0	0	0	0	1	1	0.456491	0.543509
0	0	0	0	0	0	0	0	0.7468709	0.2531291
0	0	0	0	0	0	1	0	0.7244199	0.2755801
0	0	0	0	0	0	0	0	0.8124892	0.1875108
0	0	0	0	0	0	0	0	0.9689057	0.0310943
0	0	0	0	0	0	0	0	0.9385904	0.0614096
0	0	0	0	0	0	0	0	0.9182434	0.0817566
0	0	0	0	0	0	0	0	0.9515581	0.0484419
0	0	0	0	0	0	0	1	0.338057	0.661943
0	0	0	0	0	0	0	0	0.9919291	0.0080709
0	0	0	0	0	0	0	0	0.9876869	0.0123131
0	0	0	0	0	0	1	1	0.0439437	0.9560563
0	0	0	0	0	0	1	1	0.1005249	0.8994751
0	0	0	0	0	0	1	1	0.0858128	0.9141872
0	0	0	0	0	0	0	0	0.9921472	0.0078528
0	0	0	0	0	0	0	0	0.9308447	0.0691553
0	0	0	0	0	0	1	1	0.1606876	0.8393124
0	0	0	0	0	0	1	1	0.456491	0.543509
0	0	0	0	0	0	1	1	0.0631646	0.9368354
0	0	0	0	0	0	1	1	0.0354699	0.9645301
0	0	0	0	0	0	1	1	0.0354699	0.9645301
0	0	0	0	0	0	1	0	0.5876157	0.4123843
0	0	0	0	0	0	1	1	0.1003197	0.8996803
0	0	0	0	0	0	1	1	0.3927266	0.6072734
0	0	0	0	0	0	1	1	0.0815355	0.9184645
0	0	0	0	0	0	1	1	0.0314993	0.9685007
0	0	0	0	0	0	0	1	0.3984572	0.6015428
0	0	0	0	0	0	0	1	0.1145317	0.8854683
0	0	0	0	0	0	1	1	0.2597271	0.7402729
0	0	0	0	0	0	0	0	0.6965238	0.3034762
0	0	0	0	0	0	0	0	0.9789083	0.0210917
0	0	0	0	0	0	0	0	0.7516813	0.2483187
0	0	0	0	0	0	1	1	0.0536052	0.9463948
0	0	0	0	0	0	0	0	0.5055805	0.4944195

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0
58	1	112	230	0	0	165	0	2.5	1	0	0	0	0	0	0
62	0	160	164	0	0	145	0	6.2	3	0	0	0	0	0	0
59	1	178	270	0	0	145	0	4.2	0	1	0	0	0	0	0
54	0	108	267	0	0	167	0	0	0	1	0	0	0	0	0
50	0	120	219	0	1	158	0	1.6	0	1	0	0	0	0	0
44	1	140	235	0	0	180	0	0	0	1	0	0	0	0	0
62	0	140	394	0	0	157	0	1.2	0	1	0	0	0	0	0
54	1	125	273	0	0	152	0	0.5	1	1	0	0	0	0	0
53	1	130	197	1	0	152	0	1.2	0	1	0	0	0	0	0
67	1	125	254	1	1	163	0	0.2	2	0	0	0	0	0	0
41	1	130	214	0	0	168	0	2	0	1	0	0	0	0	0
59	1	164	176	1	0	90	0	1	2	0	0	0	0	0	0
63	0	108	269	0	1	169	1	1.8	2	0	0	0	0	0	0
64	1	145	212	0	0	132	0	2	2	0	0	0	0	0	0
58	1	120	284	0	0	160	0	1.8	0	0	0	0	0	0	0
47	1	130	253	0	1	179	0	0	0	1	0	0	0	0	0
71	0	110	265	1	0	130	0	0	1	1	0	0	0	0	0
42	1	136	315	0	1	125	1	1.8	0	0	0	0	0	0	0
41	0	126	306	0	1	163	0	0	0	1	0	0	0	0	0
65	1	110	248	0	0	158	0	0.6	2	0	0	0	0	0	0
59	1	178	270	0	0	145	0	4.2	0	1	0	0	0	0	0
53	0	130	264	0	0	143	0	0.4	0	1	0	0	0	0	0
64	1	128	263	0	1	105	1	0.2	1	1	0	0	0	0	0
71	0	112	149	0	1	125	0	1.6	0	1	0	0	0	0	0
45	0	130	234	0	0	175	0	0.6	0	1	0	0	0	0	0
66	0	150	226	0	1	114	0	2.6	0	1	0	0	0	0	0
56	1	130	283	1	0	103	1	1.6	0	0	0	0	0	0	0
59	1	138	271	0	0	182	0	0	0	1	0	0	0	0	0
65	0	140	417	1	0	157	0	0.8	1	1	0	0	0	0	0
61	0	130	330	0	0	169	0	0	0	0	0	0	0	0	0
68	1	118	277	0	1	151	0	1	1	1	0	0	0	0	0
43	1	120	177	0	0	120	1	2.5	0	0	0	0	0	0	0
63	0	150	407	0	0	154	0	4	3	0	0	0	0	0	0
52	1	128	204	1	1	156	1	1	0	0	0	0	0	0	0
55	0	135	250	0	0	161	0	1.4	0	1	0	0	0	0	0

thal_1	thal_2	thal_3	slope_0	slope_1	slope_2	From: target	Into: target	Predicted Probability: target=0	Predicted Probability: target=1
0	0	0	0	0	0	0	0	0.7061296	0.2938704
0	0	0	0	0	0	0	0	0.9255099	0.0744901
0	0	0	0	0	0	1	0	0.9458483	0.0541517
0	0	0	0	0	0	1	1	0.0160807	0.9839193
0	0	0	0	0	0	1	1	0.0380018	0.9619982
0	0	0	0	0	0	1	1	0.1735069	0.8264931
0	0	0	0	0	0	1	1	0.2186333	0.7813667
0	0	0	0	0	0	1	0	0.7767428	0.2232572
0	0	0	0	0	0	1	1	0.1778452	0.8221548
0	0	0	0	0	0	0	0	0.561736	0.438264
0	0	0	0	0	0	1	1	0.397898	0.602102
0	0	0	0	0	0	0	0	0.9886248	0.0113752
0	0	0	0	0	0	0	0	0.6527825	0.3472175
0	0	0	0	0	0	0	0	0.9761055	0.0238945
0	0	0	0	0	0	0	1	0.3912932	0.6087068
0	0	0	0	0	0	1	1	0.111776	0.888224
0	0	0	0	0	0	1	1	0.1094874	0.8905126
0	0	0	0	0	0	0	0	0.9627938	0.0372062
0	0	0	0	0	0	1	1	0.0502593	0.9497407
0	0	0	0	0	0	0	0	0.7845719	0.2154281
0	0	0	0	0	0	1	0	0.9458483	0.0541517
0	0	0	0	0	0	1	1	0.0870579	0.9129421
0	0	0	0	0	0	1	0	0.9718411	0.0281589
0	0	0	0	0	0	1	1	0.0261705	0.9738295
0	0	0	0	0	0	1	1	0.0299802	0.9700198
0	0	0	0	0	0	1	1	0.3365839	0.6634161
0	0	0	0	0	0	0	0	0.9329347	0.0670653
0	0	0	0	0	0	1	1	0.1303721	0.8696279
0	0	0	0	0	0	1	1	0.4494644	0.5505356
0	0	0	0	0	0	0	1	0.0381674	0.9618326
0	0	0	0	0	0	1	0	0.63349	0.36651
0	0	0	0	0	0	0	0	0.9123385	0.0876615
0	0	0	0	0	0	0	0	0.9534585	0.0465415
0	0	0	0	0	0	0	1	0.3248758	0.6751242
0	0	0	0	0	0	1	1	0.0700832	0.9299168

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0
63	0	140	195	0	1	179	0	0	2	1	0	0	0	0	0
35	1	126	282	0	0	156	1	0	0	0	0	0	0	0	0
71	0	160	302	0	1	162	0	0.4	2	1	0	0	0	0	0
58	1	128	216	0	0	131	1	2.2	3	0	0	0	0	0	0
56	1	130	221	0	0	163	0	0	0	1	0	0	0	0	0
66	0	150	226	0	1	114	0	2.6	0	1	0	0	0	0	0
70	1	156	245	0	0	143	0	0	0	1	0	0	0	0	0
50	1	129	196	0	1	163	0	0	0	1	0	0	0	0	0
59	1	110	239	0	0	142	1	1.2	1	0	0	0	0	0	0
52	1	128	255	0	1	161	1	0	1	0	0	0	0	0	0
44	1	140	235	0	0	180	0	0	0	1	0	0	0	0	0
60	1	117	230	1	1	160	1	1.4	2	0	0	0	0	0	0
64	1	120	246	0	0	96	1	2.2	1	0	0	0	0	0	0
46	0	105	204	0	1	172	0	0	0	1	0	0	0	0	0
63	1	140	187	0	0	144	1	4	2	0	0	0	0	0	0
57	1	110	335	0	1	143	1	3	1	0	0	0	0	0	0
45	0	138	236	0	0	152	1	0.2	0	1	0	0	0	0	0
44	1	120	169	0	1	144	1	2.8	0	0	0	0	0	0	0
60	0	120	178	1	1	96	0	0	0	1	0	0	0	0	0
67	1	120	229	0	0	129	1	2.6	2	0	0	0	0	0	0
62	1	128	208	1	0	140	0	0	0	1	0	0	0	0	0
70	1	156	245	0	0	143	0	0	0	1	0	0	0	0	0
42	1	148	244	0	0	178	0	0.8	2	1	0	0	0	0	0
54	1	140	239	0	1	160	0	1.2	0	1	0	0	0	0	0
57	1	128	229	0	0	150	0	0.4	1	0	0	0	0	0	0
68	1	118	277	0	1	151	0	1	1	1	0	0	0	0	0
51	1	140	261	0	0	186	1	0	0	1	0	0	0	0	0
56	1	132	184	0	0	105	1	2.1	1	0	0	0	0	0	0
52	1	128	255	0	1	161	1	0	1	0	0	0	0	0	0
43	1	115	303	0	1	181	0	1.2	0	1	0	0	0	0	0
68	0	120	211	0	0	115	0	1.5	0	1	0	0	0	0	0
52	1	125	212	0	1	168	0	1	2	0	0	0	0	0	0
60	1	130	206	0	0	132	1	2.4	2	0	0	0	0	0	0
61	1	140	207	0	0	138	1	1.9	1	0	0	0	0	0	0
60	0	150	258	0	0	157	0	2.6	2	0	0	0	0	0	0

thal_1	thal_2	thal_3	slope_0	slope_1	slope_2	From: target	Into: target	Predicted Probability: target=0	Predicted Probability: target=1
0	0	0	0	0	0	1	1	0.1347181	0.8652819
0	0	0	0	0	0	0	0	0.7497848	0.2502152
0	0	0	0	0	0	1	0	0.5747224	0.4252776
0	0	0	0	0	0	0	0	0.9843467	0.0156533
0	0	0	0	0	0	1	1	0.1472422	0.8527578
0	0	0	0	0	0	1	1	0.3365839	0.6634161
0	0	0	0	0	0	1	1	0.3692708	0.6307292
0	0	0	0	0	0	1	1	0.1055376	0.8944624
0	0	0	0	0	0	0	0	0.9182434	0.0817566
0	0	0	0	0	0	0	0	0.8364954	0.1635046
0	0	0	0	0	0	1	1	0.1735069	0.8264931
0	0	0	0	0	0	0	0	0.895054	0.104946
0	0	0	0	0	0	0	0	0.992531	0.007469
0	0	0	0	0	0	1	1	0.0064661	0.9935339
0	0	0	0	0	0	0	0	0.9950459	0.0049541
0	0	0	0	0	0	0	0	0.9818072	0.0181928
0	0	0	0	0	0	1	1	0.2296935	0.7703065
0	0	0	0	0	0	0	0	0.755317	0.244683
0	0	0	0	0	0	1	1	0.0411633	0.9588367
0	0	0	0	0	0	0	0	0.9921472	0.0078528
0	0	0	0	0	0	1	1	0.1213845	0.8786155
0	0	0	0	0	0	1	1	0.3692708	0.6307292
0	0	0	0	0	0	1	0	0.9236026	0.0763974
0	0	0	0	0	0	1	1	0.3069624	0.6930376
0	0	0	0	0	0	0	0	0.6952854	0.3047146
0	0	0	0	0	0	1	0	0.63349	0.36651
0	0	0	0	0	0	1	1	0.3881954	0.6118046
0	0	0	0	0	0	0	0	0.9892738	0.0107262
0	0	0	0	0	0	0	0	0.8364954	0.1635046
0	0	0	0	0	0	1	1	0.2119021	0.7880979
0	0	0	0	0	0	1	1	0.1168218	0.8831782
0	0	0	0	0	0	0	0	0.7917104	0.2082896
0	0	0	0	0	0	0	0	0.9928509	0.0071491
0	0	0	0	0	0	0	0	0.9678559	0.0321441
0	0	0	0	0	0	0	0	0.8438748	0.1561252

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0
64	0	180	325	0	1	154	1	0	0	1	0	0	0	0	0
54	1	110	239	0	1	126	1	2.8	1	0	0	0	0	0	0
52	1	128	204	1	1	156	1	1	0	0	0	0	0	0	0
42	0	102	265	0	0	122	0	0.6	0	1	0	0	0	0	0
59	1	135	234	0	1	161	0	0.5	0	1	0	0	0	0	0
59	1	126	218	1	1	134	0	2.2	1	0	0	0	0	0	0
55	1	130	262	0	1	155	0	0	0	1	0	0	0	0	0
50	0	120	244	0	1	162	0	1.1	0	1	0	0	0	0	0
45	1	104	208	0	0	148	1	3	0	1	0	0	0	0	0
59	1	134	204	0	1	162	0	0.8	2	0	0	0	0	0	0
38	1	120	231	0	1	182	1	3.8	0	0	0	0	0	0	0
57	1	130	131	0	1	115	1	1.2	1	0	0	0	0	0	0
65	1	135	254	0	0	127	0	2.8	1	0	0	0	0	0	0
42	1	130	180	0	1	150	0	0	0	1	0	0	0	0	0
43	1	130	315	0	1	162	0	1.9	1	1	0	0	0	0	0
64	1	140	335	0	1	158	0	0	0	0	0	0	0	0	0
49	0	134	271	0	1	162	0	0	0	1	0	0	0	0	0
56	1	120	193	0	0	162	0	1.9	0	1	0	0	0	0	0
65	0	140	417	1	0	157	0	0.8	1	1	0	0	0	0	0
52	1	108	233	1	1	147	0	0.1	3	1	0	0	0	0	0
60	0	120	178	1	1	96	0	0	0	1	0	0	0	0	0
52	1	128	205	1	1	184	0	0	0	1	0	0	0	0	0
56	0	134	409	0	0	150	1	1.9	2	0	0	0	0	0	0
58	1	140	211	1	0	165	0	0	0	1	0	0	0	0	0
42	1	120	295	0	1	162	0	0	0	1	0	0	0	0	0
45	1	128	308	0	0	170	0	0	0	1	0	0	0	0	0
58	1	114	318	0	2	140	0	4.4	3	0	0	0	0	0	0
44	0	108	141	0	1	175	0	0.6	0	1	0	0	0	0	0
65	1	138	282	1	0	174	0	1.4	1	0	0	0	0	0	0
47	1	112	204	0	1	143	0	0.1	0	1	0	0	0	0	0

thal_1	thal_2	thal_3	slope_0	slope_1	slope_2	From: target	Into: target	Predicted Probability: target=0	Predicted Probability: target=1
0	0	0	0	0	0	1	1	0.4038653	0.5961347
0	0	0	0	0	0	0	0	0.9765944	0.0234056
0	0	0	0	0	0	0	1	0.3248758	0.6751242
0	0	0	0	0	0	1	1	0.14101	0.85899
0	0	0	0	0	0	1	1	0.1689814	0.8310186
0	0	0	0	0	0	0	0	0.7527223	0.2472777
0	0	0	0	0	0	1	1	0.205735	0.794265
0	0	0	0	0	0	1	1	0.0319694	0.9680306
0	0	0	0	0	0	1	0	0.7855665	0.2144335
0	0	0	0	0	0	0	0	0.7993245	0.2006755
0	0	0	0	0	0	0	0	0.7306092	0.2693908
0	0	0	0	0	0	0	0	0.9388123	0.0611877
0	0	0	0	0	0	0	0	0.9578441	0.0421559
0	0	0	0	0	0	1	1	0.1873299	0.8126701
0	0	0	0	0	0	1	0	0.9011189	0.0988811
0	0	0	0	0	0	0	1	0.3065275	0.6934725
0	0	0	0	0	0	1	1	0.0354699	0.9645301
0	0	0	0	0	0	1	1	0.220249	0.779751
0	0	0	0	0	0	1	1	0.4494644	0.5505356
0	0	0	0	0	0	1	1	0.4615451	0.5384549
0	0	0	0	0	0	1	1	0.0411633	0.9588367
0	0	0	0	0	0	1	1	0.0246823	0.9753177
0	0	0	0	0	0	0	0	0.9833057	0.0166943
0	0	0	0	0	0	1	1	0.0805755	0.9194245
0	0	0	0	0	0	1	1	0.2475911	0.7524089
0	0	0	0	0	0	1	1	0.2996519	0.7003481
0	0	0	0	0	0	0	0	0.9915358	0.0084642
0	0	0	0	0	0	1	1	0.005067	0.994933
0	0	0	0	0	0	0	0	0.5516423	0.4483577
0	0	0	0	0	0	1	1	0.1677088	0.8322912

# The FREQ Procedure

Frequency Percent Row Pct Col Pct

Table of F_target by I_target				
E target(Erem	I_target(Into: target)			
F_target(From: target)	0	1	Total	
0	71 34.63 85.54 78.89	12 5.85 14.46 10.43	83 40.49	
1	19 9.27 15.57 21.11	103 50.24 84.43 89.57	122 59.51	
Total	90 43.90	115 56.10	205 100.00	

Tuesday, November 29, 2022 05:25:02 PM **14** 

## The SURVEYSELECT Procedure

Selection Method   Simple Random Sampling
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Input Data Set	IMPORT
Random Number Seed	153961300
Sampling Rate	0.8
Sample Size	820
Selection Probability	0.8
Sampling Weight	0
Output Data Set	IMPORT_SELECT

Model Information				
Data Set	WORK.IMPORT_TRAIN			
Response Variable	target			
Number of Response Levels	2			
Model	binary logit			
Optimization Technique	Fisher's scoring			

Number of Observations Read	820
Number of Observations Used	820

Response Profile			
Ordered Tota Value target Frequency			
1	0	400	
2	1	420	

# Probability modeled is target='0'.

Class Level Information					
Class	Value	Des	sign \	/arial	oles
sex	0	1			
	1	-1			
ср_0	0				
ср_1	0				
ср_2	0				
cp_3	0				
fbs	0	1			
	1	-1			
restecg	0	1	0		
	1	0	1		
	2	-1	-1		
exang	0	1			
	1	-1			
ca	0	1	0	0	0
	1	0	1	0	0
	2	0	0	1	0
	3	0	0	0	1
	4	-1	-1	-1	-1
thal_0	0				

Class Level Information					
Class	Value	Design Variables			
thal_1	0				
thal_2	0				
thal_3	0				
slope_0	0				
slope_1	0				
slope_2	0				

### **Model Convergence Status**

Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics				
Criterion	Intercept Only	Intercept and Covariates		
AIC	1138.274	632.099		
sc	1142.983	702.738		
-2 Log L	1136.274	602.099		

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	534.1746	14	<.0001	
Score	413.9134	14	<.0001	
Wald	228.4149	14	<.0001	

Type 3 Analysis of Effects					
Effect	DF	Wald Chi-Square	Pr > ChiSq		
age	1	4.0461	0.0443		
sex	1	46.3642	<.0001		
cp_0	0				
cp_1	0				
cp_2	0				
cp_3	0				
trestbps	1	10.8554	0.0010		
chol	1	9.0730	0.0026		
fbs	1	2.1111	0.1462		

Type 3 Analysis of Effects					
Effect	DF	Wald Chi-Square	Pr > ChiSq		
restecg	2	3.7416	0.1540		
thalach	1	36.3165	<.0001		
exang	1	51.1337	<.0001		
oldpeak	1	18.8676	<.0001		
slope_0	0				
slope_1	0				
slope_2	0				
ca	4	90.7716	<.0001		
thal_0	0				
thal_1	0				
thal_2	0				
thal_3	0				

	Α	nalysi	is of Maximu	um Likelihoo	d Estimates	
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	2.5141	1.4754	2.9037	0.0884
age		1	-0.0287	0.0142	4.0461	0.0443
sex	0	1	-0.9007	0.1323	46.3642	<.0001
trestbps		1	0.0209	0.00635	10.8554	0.0010
chol		1	0.00679	0.00225	9.0730	0.0026
fbs	0	1	0.2100	0.1445	2.1111	0.1462
restecg	0	1	0.00501	0.3799	0.0002	0.9895
restecg	1	1	-0.3959	0.3792	1.0899	0.2965
thalach		1	-0.0365	0.00605	36.3165	<.0001
exang	0	1	-0.8245	0.1153	51.1337	<.0001
oldpeak		1	0.4504	0.1037	18.8676	<.0001
ca	0	1	-1.3223	0.2261	34.1914	<.0001
ca	1	1	0.4370	0.2574	2.8813	0.0896
ca	2	1	1.6954	0.3342	25.7372	<.0001
са	3	1	0.9127	0.4050	5.0782	0.0242

0	dds Ratio E	stimates	
Effect	Point Estimate	95% Confiden	Wald ice Limits
age	0.972	0.945	0.999
sex 0 vs 1	0.165	0.098	0.277
trestbps	1.021	1.009	1.034
chol	1.007	1.002	1.011
fbs 0 vs 1	1.522	0.864	2.682
restecg 0 vs 2	0.680	0.079	5.841
restecg 1 vs 2	0.455	0.053	3.906
thalach	0.964	0.953	0.976
exang 0 vs 1	0.192	0.122	0.302
oldpeak	1.569	1.280	1.923
ca 0 vs 4	1.493	0.335	6.658
ca 1 vs 4	8.669	1.846	40.715
ca 2 vs 4	30.512	5.811	160.199
ca 3 vs 4	13.950	2.440	79.748

Association of Pr Observ	edicted P red Respo		nd
Percent Concordant	91.7	Somers' D	0.834
Percent Discordant	8.3	Gamma	0.834
Percent Tied	0.0	Tau-a	0.417
Pairs	168000	С	0.917

					_									_					
age thal_:	sex	trestl		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
52	1		125	212	0		1	168	0	1	2	0	0	0	0	0	0	0	0
	, )	0	123	0	0	0	'	0	0	<u>'</u>		0	0	0	0	0	0		.728055
53	1		140	203	1		0	155	1	3.1	0	0	0	0	0	0	0	0	0
)		0	170	0	'	0		0	'	3.1									0.77582
70	1		145	174	0		1	125	1	2.6	0	0	0	0	0	0	0	0	0
		0		0		0		0									l		.825009
61	1		148	203	0		1	161	0	0	1	0	0	0	0	0	0	0	0
(		0		0		0		0		<u> </u>			l				I	0	.424015
58	0		100	248	0		0	122	0	1	0	1	0	0	0	0	0	0	0
(		0		0		0		0										0	.099234
58	1		114	318	0		2	140	0	4.4	3	0	0	0	0	0	0	0	0
(		0		0		0		0										0	.979349
55	1		160	289	0		0	145	1	0.8	1	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.975741
46	1		120	249	0		0	144	0	0.8	0	0	0	0	0	0	0	0	0
(		0		0		0		0										0	.370979
54	1		122	286	0		0	116	1	3.2	2	0	0	0	0	0	0	0	0
(		0		0		0		0		-							-	0	.998176
71	0		112	149	0	L	1	125	0	1.6	0	1	0	0	0	0	0	0	0
	ו	0		0		0		0										0	.037721
43	0		132	341	1		0	136	1	3	0	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.758402
34	0		118	210	0	L	1	192	0	0.7	0	1	0	0	0	0	0	0	0
(	ו	0		0		0		0		1								0	.011104
51	1		140	298	0		1	122	1	4.2	3	0	0	0	0	0	0	0	0
	)	0		0		0		0	i i	i .			1				i .		0.99726
34	0		118	210	0		1	192	0	0.7	0	1	0	0	0	0	0	0	0
1	)	0		0		0		0					1						.011104
51	0		140	308	0		0	142	0	1.5	1	1	0	0	0	0	0	0	0
	)	0		0		0		0											.620986
54	1		124	266	0		0	109	1	2.2	1	0	0	0	0	0	0	0	0
	)	0		0		0		0											.991488
58	1		140	211	1		0	165	0	0	0	1	0	0	0	0	0	0	0
	)	0		0		0		0										0	.094683

																	111bCl 23,		
age	sex	k trest	bps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_	3 !	slope_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
60		1	140	185	0		0	155	0	3	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.412068
67	(	0	106	223	0		1	142	0	0.3	2	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.281709
45	-	1	104	208	0		0	148	1	3	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.799255
63	(	0	135	252	0		0	172	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.020548
42	(	0	120	209	0		1	173	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.013314
58	(	0	136	319	1		0	152	0	0	2	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.520502
56		1	130	256	1		0	142	1	0.6	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.917847
55	(	o	180	327	0		2	117	1	3.4	0	0	0	0	0	0	0	0	0
	0	0		0		0		0											0.96735
44		1	120	169	0		1	144	1	2.8	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.756841
70		1	160	269	0		1	112	1	2.9	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.992445
50		1	129	196	0		1	163	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.093772
51		1	125	213	0		0	125	1	1.4	1	1	0	0	0	0	0	0	0
	0	0		0		0		0											0.97237
64		1	128	263	0		1	105	1	0.2	1	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.967035
57		1	128	229	0		0	150	0	0.4	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.633815
65		o	160	360	0		0	151	0	0.8	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.176691
54		1	120	258	0		0	147	0	0.4	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.271742
61	(	0	130	330	0		0	169	0	0	0	0	0	0	0	0	0	0	0
	0	0		0		0		0		1						1		0.	.036518

					_		_						_		_				
age	sex	tresti	ops	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slo	ope_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
46	1		120	249	0		0	144	0	0.8	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.370979
55	0		132	342	0		1	166	0	1.2	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.061315
41	1		135	203	0		1	132	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.330396
66	0		178	228	1		1	165	1	1	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.792235
66	0		146	278	0		0	152	0	0	1	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.258342
60	1		117	230	1		1	160	1	1.4	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.917698
58	0		150	283	1		0	162	0	1	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.057249
57	0		140	241	0		1	123	1	0.2	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.369074
38	1		138	175	0		1	173	0	0	4	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.066354
49	1		120	188	0		1	139	0	2	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.821881
55	1		140	217	0		1	111	1	5.6	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.982531
66	0		146	278	0		0	152	0	0	1	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.258342
67	1		100	299	0		0	125	1	0.9	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.985168
59	1		150	212	1		1	157	0	1.6	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.188671
29	1		130	204	0		0	202	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0											0.06827
42	1		136	315	0		1	125	1	1.8	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.940542
37	0		120	215	0		1	170	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.017774

200	SOY	tresti	one	chol	fbs	ro	stecg	thalach	exang	oldpeak	62	target	cp_0	cn 1	cn 2	cp_3	thal_0	thal_1	thal_2
age thal_3	sex 3 sl	ope_0		pe_1	slope			esponse Value	exalig	Olupeak	са	target	ср_о	cp_1	cp_2	ср_3		nated Pro	l
59	1		170	326	0		0	140	1	3.4	0	0	0	0	0	0	0	0	0
(	ס	0		0		0		0					<u> </u>						0.97428
61	1		140	207	0		0	138	1	1.9	1	0	0	0	0	0	0	0	0
(	ס	0		0		0		0					I					0	.964372
56	1		125	249	1		0	144	1	1.2	1	0	0	0	0	0	0	0	0
(	ס	0		0		0		0										0	.921188
59	1		140	177	0		1	162	1	0	1	0	0	0	0	0	0	0	0
(	ס	0		0		0		0										0	.734922
48	1		130	256	1		0	150	1	0	2	0	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.965741
47	1		138	257	0		0	156	0	0	0	1	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.284165
48	1		124	255	1		1	175	0	0	2	1	0	0	0	0	0	0	0
(	)	0		0		0		0											0.56082
52	1		134	201	0		1	158	0	0.8	1	1	0	0	0	0	0	0	0
(	o	0		0		0		0										0	.528677
52	1		134	201	0		1	158	0	0.8	1	1	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.528677
50	1		140	233	0		1	163	0	0.6	1	0	0	0	0	0	0	0	0
(	ומ	0		0		0		0										0	.560291
49	1		118	149	0		0	126	0	0.8	3	0	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.825967
46	1		150	231	0		1	147	0	3.6	0	0	0	0	0	0	0	0	0
(	) כ	0		0		0		0										0	.674463
38	1		138	175	0		1	173	0	0	4	1	0	0	0	0	0	0	0
(	ו	0		0		0		0		ì							1	0	.066354
37	0		120	215	0		1	170	0	0	0	1	0	0	0	0	0	0	
(	)	0		0		0		0		ī			1				ī	0	.017774
44	1		120	220	0		1	170	0	0	0	1	0	0	0	0	0	0	0
(	ן כ	0	<u> </u>	0		0		0	1	1							1	0	.084916
58	1		140	211	1		0	165	0	0	0	1	0	0	0	0	0	0	0
(	ו	0	<u> </u>	0		0		0										0	.094683
59	0		174	249	0		1	143	1	0	0	0	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.343542

200	50V	tresti	one	chol	fbs	ro	stecg	thalach	exang	oldpeak	62	target	cp_0	cn 1	cn 2	cp_3	thal_0	thal_1	thal_2
age thal_3	sex 3 slo	ope_0		pe_1	slope			esponse Value	exally	Olupeak	са	target	ср_о	cp_1	cp_2	ср_3		nated Pro	
62	0		140	268	0		0	160	0	3.6	2	0	0	0	0	0	0	0	0
(		0		0		0		0		l			l				<u> </u>	0	.810707
68	1		144	193	1		1	141	0	3.4	2	0	0	0	0	0	0	0	0
(		0		0		0		0											0.91991
63	1		140	187	0		0	144	1	4	2	0	0	0	0	0	0	0	0
(		0		0		0		0										0	.993884
44	1		120	169	0		1	144	1	2.8	0	0	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.756841
62	1		128	208	1		0	140	0	0	0	1	0	0	0	0	0	0	0
(		0		0		0		0										0	.150374
45	0		138	236	0		0	152	1	0.2	0	1	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.283866
57	0		128	303	0		0	159	0	0	1	1	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.221125
53	1		123	282	0		1	95	1	2	2	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.997876
76	0		140	197	0		2	116	0	1.1	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.170681
43	0		122	213	0	L	1	165	0	0.2	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.020169
57	1		150	126	1		1	173	0	0.2	1	1	0	0	0	0	0	0	0
(		0		0		0		0										0	.191528
54	1		108	309	0	L	1	156	0	0	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.141825
52	1		118	186	0		0	190	0	0	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0		-			1				-	0	.038864
47	1		110	275	0		0	118	1	1	1	0	0	0	0	0	0	0	0
(	)	0		0		0		0					1					0	.979318
51	1		140	299	0		1	173	1	1.6	0	0	0	0	0	0	0	0	0
(	)	0		0		0		0	1	1							1	0	.654071
40	1		152	223	0		1	181	0	0	0	0	0	0	0	0	0	0	0
(	ו	0	<u> </u>	0		0		0		1							1	0	.121947
54	1		110	206	0		0	108	1	0	1	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.957024

		4		ala a l	<b>G</b>			Ala a la ala		aldmaale			0	1	2	2	Abal O	Abal 4	Abal 3
age	sex	tresti		chol	fbs		stecg R	thalach esponse	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_:		ope_0		pe_1	slope	_2		Value										nated Pro	
48	1		130	256	1		0	150	1	0	2	0	0	0	0	0	0	0	0
	0	0		0	1 1	0		0					1			ı		0.	.965741
57	1		110	335	0		1	143	1	3	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.972509
59	1		126	218	1		1	134	0	2.2	1	0	0	0	0	0	0	0	0
	0	0		0		0		0			T							0.	.720816
61	0		145	307	0		0	146	1	1	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.456046
63	1		130	254	0		0	147	0	1.4	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0										(	0.75916
29	1		130	204	0		0	202	0	0	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										(	0.06827
54	1		108	309	0		1	156	0	0	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.141825
44	1		120	169	0		1	144	1	2.8	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.756841
60	1		145	282	0		0	142	1	2.8	2	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.995758
61	1		120	260	0		1	140	1	3.6	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.971568
60	0		150	240	0		1	171	0	0.9	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.029175
53	1		130	197	1		0	152	0	1.2	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.197195
52	1		138	223	0		1	169	0	0	4	1	0	0	0	0	0	0	0
	0	0		0		0		0				<u> </u>	l			l		0.	.070859
57	1		140	192	0		1	148	0	0.4	0	1	0	0	0	0	0	0	0
	0	0		0		0		0			<u> </u>	<u> </u>				l		0.	.176754
60	0		150	240	0		1	171	0	0.9	0	1	0	0	0	0	0	0	0
	0	0		0		0		0		<u> </u>			<u>I</u>	l		l			.029175
51	0	1	130	256	0		0	149	0	0.5	0	1	0	0	0	0	0	0	0
	0	0		0		0		0				<u> </u>							.073545
41	1		135	203	0		1	132	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0	,	0				<u> </u>							.330396

		4		امام	<b>6</b>			Alas la ala		ماطات مماد			0	1	2	2	45-1.0	Abal 4	Abal 3
age s	sex	trestlope_0		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
50	1		129	196	0	<u></u>	1	163	0	0	0	1	0	0	0	0	0	0	0
0		0	129	0	0	0		0	0	0		'	0	0	0	0	0		.093772
54	1		108	309	0		1	156	0	0	0	1	0	0	0	0	0	0	0
0	<u>'</u>	0	100	0	0	0	'	0	0	0		'		0	0	0	0		.141825
55	0		132	342	0		1	166	0	1.2	0	1	0	0	0	0	0	0	0
0		0	.52	0		0	·	0		1.2									.061315
41	1		110	235	0		1	153	0	0	0	1	0	0	0	0	0	0	0
0	<u> </u>	0		0		0	·	0											.144478
57	1		152	274	0		1	88	1	1.2	1	0	0	0	0	0	0	0	0
0	·	0		0		0		0											.994659
63	0		124	197	0		1	136	1	0	0	0	0	0	0	0	0	0	0
0		0		0		0		0											.129439
61	1		134	234	0		1	145	0	2.6	2	0	0	0	0	0	0	0	0
0		0		0	<u> </u>	0		0					<u> </u>						.932414
40	1		110	167	0		0	114	1	2	0	0	0	0	0	0	0	0	0
0		0		0		0		0					<u> </u>					0	.896817
41	1		110	172	0		0	158	0	0	0	0	0	0	0	0	0	0	0
0		0		0	1	0		0		l			l				<u> </u>	0	.120501
52	1		152	298	1		1	178	0	1.2	0	1	0	0	0	0	0	0	0
0		0		0		0		0			ı		<u> </u>					0	.170938
39	1		140	321	0		0	182	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0	1	1	ı						ı	0	.237374
58	1		114	318	0		2	140	0	4.4	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.979349
54	1		192	283	0		0	195	0	0	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.626731
58	1		125	300	0		0	171	0	0	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.777479
63	1		130	330	1		0	132	1	1.8	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.983637
54	1		108	309	0		1	156	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.141825
40	1		140	199	0		1	178	1	1.4	0	1	0	0	0	0	0	0	0
0		0		0		0		0											.500258

0         0	
thal_3         slope_0         slope_1         slope_2         Value         Estimated if           54         1         120         258         0         0         147         0         0.4         0         1         0	0.271742 0.245729 0.040825 0.873094 0.547814
0	0.271742 0.271742 0.245729 0.040825 0.873094 0.547814
Fig.   Fig.	0.245729 0.040825 0.873094 0.547814 0.873094
1	0.245729 0.040825 0.873094 0.547814 0.873094
41	0.040825 0.873094 0.547814 0.873094
0         0	0.040825 0.873094 0.547814 0.873094
77         1         125         304         0         0         162         1         0         3         0<	0.873094 0.547814 0.873094
0         0	0.873094 0.547814 0.873094
51         1         100         222         0         1         143         1         1.2         0         1         0	0.547814 0.873094
0         0	0.547814 0.873094
77         1         125         304         0         0         162         1         0         3         0<	0.873094
0       0	0.873094
48       1       124       274       0       0       166       0       0.5       0	1
0       0	c
56       1       125       249       1       0       144       1       1.2       1       0	
0       0	0.219293
59       1       170       326       0       0       140       1       3.4       0	С
0     0     0     0     0       56     1     132     184     0     0     105     1     2.1     1     0     0     0     0     0     0	0.921188
56 1 132 184 0 0 105 1 2.1 1 0 0 0 0 0 0	С
	0.97428
	C
	0.988018
57 0 120 354 0 1 163 1 0.6 0 1 0 0 0 0	C
0 0 0 0 0	0.187378
45 0 112 160 0 1 138 0 0 1 0 0 0 0 0	C
0 0 0 0 0	0.026226
43 1 150 247 0 1 171 0 1.5 0 1 0 0 0 0	C
0 0 0 0 0	0.289345
56 1 120 240 0 1 169 0 0 0 1 0 0 0 0	C
0 0 0 0 0	0.072494
39 0 94 199 0 1 179 0 0 0 1 0 0 0 0	C
0 0 0 0 0	0.006366
54 1 110 239 0 1 126 1 2.8 1 0 0 0 0 0 0	
0 0 0 0 0	C
56 0 200 288 1 0 133 1 4 2 0 0 0 0 0 0	0.971548
0 0 0 0	

		Τ					_									Ì	1		
age thal_3	sex	trestl		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
56	1		130	283	1	<u>-</u> -	0	103	1	1.6	0	0	0	0	0	0	0	0	0
30	_	0	130	0	<u>'</u>	0		0	'	1.0		0		U	0	0	0		.937663
64	1		120	246	0		0	96	1	2.2	1	0	0	0	0	0	0	0	0
04		0	120	0	0	0		0	'	2.2		0	0	0					.991217
56	0		134	409	0		0	150	1	1.9	2	0	0	0	0	0	0	0	0
0	_	0		0		0		0		1.5									.976016
63	1	T	140	187	0		0	144	1	4	2	0	0	0	0	0	0	0	0
C		0		0		0		0											.993884
64	1	1	110	211	0		0	144	1	1.8	0	1	0	0	0	0	0	0	0
C	_	0		0		0		0											.643037
60	1		140	293	0		0	170	0	1.2	2	0	0	0	0	0	0	0	0
C	)	0		0		0		0		l						<u> </u>	l	0.	.884637
42	1		130	180	0		1	150	0	0	0	1	0	0	0	0	0	0	0
C		0		0	1	0		0		l						l	l	0.	.160769
45	1		128	308	0		0	170	0	0	0	1	0	0	0	0	0	0	0
C	)	0		0		0		0		ı								0.	.224341
40	1		110	167	0		0	114	1	2	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.896817
56	1		125	249	1		0	144	1	1.2	1	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.921188
64	1		125	309	0		1	131	1	1.8	0	0	0	0	0	0	0	0	0
C	)	0		0		0		0										0.	.837668
41	1		112	250	0		1	179	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.070202
67	0		115	564	0		0	160	0	1.6	0	1	0	0	0	0	0	0	0
C	)	0		0		0		0										0.	.245729
67	1		160	286	0		0	108	1	1.5	3	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.995812
59	1		150	212	1		1	157	0	1.6	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.188671
58	1		100	234	0		1	156	0	0.1	1	0	0	0	0	0	0	0	0
C		0		0		0		0										0	.312829
45	1		115	260	0		0	185	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.084276

		4		-ll	<b>6</b>		-4	Alas la ala		ماط معماد		4	0	1	2	an 2	46-1.0	Abal 4	45-1-2
age thal_:	sex	trestl		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1 nated Pro	thal_2
60	0		102	318	0		1	160	0	0	1	1	0	0	0	0	0	0	0
	0	0	.02	0		0	,	0											.097554
62	0		124	209	0		1	163	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0											.011774
34	1		118	182	0		0	174	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0		l			<u>I</u>				l	0.	.105682
52	1		152	298	1		1	178	0	1.2	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.170938
64	1		170	227	0		0	155	0	0.6	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.345643
42	1		148	244	0		0	178	0	0.8	2	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.871656
59	1		126	218	1		1	134	0	2.2	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.720816
38	1		138	175	0		1	173	0	0	4	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.066354
62	1		120	281	0		0	103	0	1.4	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.940258
42	1		120	240	1		1	194	0	0.8	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.042305
67	1		100	299	0		0	125	1	0.9	2	0	0	0	0	0	0	0	0
(	0	0		0		0		0			<u> </u>							0	.985168
50	1		150	243	0		0	128	0	2.6	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0					i				-	0.	.792317
43	1		130	315	0		1	162	0	1.9	1	1	0	0	0	0	0	0	0
-	0	0		0	1	0		0					1					0.	.804108
45	1		128	308	0		0	170	0	0	0	1	0	0	0	0	0	0	
	0	0		0		0		0					ı .						.224341
49	1		130	266	0		1	171	0	0.6	0	1	0	0	0	0	0	0	0
	0	0		0		0		0		I									0.14611
65	1		135	254	0		0	127	0	2.8	1	0	0	0	0	0	0	0	0
	0	0		0		0		0		I							<u> </u>		.927956
41	1		120	157	0		1	182	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.040825

		441		-11				4111-					0	4	2	2	411-0	411-4	45-1-2
age	sex	tresti		chol	fbs		stecg R	thalach esponse	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3		ope_0	_	pe_1	slope			Value			_							nated Pro	
46	1		140	311	0		1	120	1	1.8	2	0	0	0	0	0	0	0	0
	0	0		0		0		0			_								.997277
54	1		122	286	0		0	116	1	3.2	2	0	0	0	0	0	0	0	0
	0	0	120	0		0		0											.998176
57	0	0	130	236	0	0	0	174	0	0	1	0	0	0	0	0	0	0	0
1	0	I		0		0		0											.098035
63	1		130	254	0	_	0	147	0	1.4	1	0	0	0	0	0	0	0	0
	0	0		0		0		0											0.75916
64	1		110	211	0	_	0	144	1	1.8	0	1	0	0	0	0	0	0	0
	0	0		0		0	.	0											.643037
39	0		94	199	0		1	179	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0											.006366
54	1		150	232	0		0	165	0	1.6	0	1	0	0	0	0	0	0	0
	)	0		0		0		0							_				.342824
49	1		118	149	0	_	0	126	0	0.8	3	0	0	0	0	0	0	0	0
	0	0		0		0	.	0											.825967
44	0		118	242	0	_	1	149	0	0.3	1	1	0	0	0	0	0	0	0
1	0	0		0	1 . 1	0	.	0											.196121
52	1		128	205	1	_	1	184	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0	.	0			_								.030127
66	0	<u> </u>	178	228	1		1	165	1	1	2	0	0	0	0	0	0	0	0
	)	0		0		0		0											.792235
58	1		125	300	0	•	0	171	0	0	2	0	0	0	0	0	0	0	0
1	0	0		0		0		0											.777479
56	1		120	236	0	_	1	178	0	0.8	0	1	0	0	0	0	0	0	
	)	0		0		0		0											.072818
60	1		125	258	0	_	0	141	1	2.8	1	0	0	0	0	0	0	0	0
1	) 	0		0		0		0											.974794
41	0		126	306	0		1	163	0	0	0	1	0	0	0	0	0	0	
	0	0		0		0		0											.041959
49	0		130	269	0		1	163	0	0	0	1	0	0	0	0	0	0	
	0	0		0		0		0											.028614
64	1		170	227	0		0	155	0	0.6	0	1	0	0	0	0	0	0	
	)	0		0		0		0										0.	.345643

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age	sex	trestl	bps	chol	fbs	re	stecg	thalach esponse	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	sl	ope_0	slo	pe_1	slope	_2		Value									Estin	nated Pro	bability
49	1		118	149	0		0	126	0	0.8	3	0	0	0	0	0	0	0	0
C	<u> </u>	0		0		0		0										0.	.825967
57	1		124	261	0		1	141	0	0.3	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.232422
60	1		117	230	1		1	160	1	1.4	2	0	0	0	0	0	0	0	0
C		0		0		0		0		-							-	0.	.917698
62	0		150	244	0		1	154	1	1.4	0	0	0	0	0	0	0	0	0
C		0		0		0		0		-							-	0.	.261068
54	0		132	288	1		0	159	1	0	1	1	0	0	0	0	0	0	0
C		0		0		0		0		-							-	0.	.509465
38	1		138	175	0		1	173	0	0	4	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.066354
60	1		140	185	0		0	155	0	3	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.412068
51	1		125	245	1		0	166	0	2.4	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.250527
44	1		130	219	0		0	188	0	0	0	1	0	0	0	0	0	0	0
C	<u> </u>	0		0		0		0										0.	.080855
46	1		140	311	0		1	120	1	1.8	2	0	0	0	0	0	0	0	0
C	<u> </u>	0		0		0		0										0.	.997277
39	0		138	220	0		1	152	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.047333
47	1		110	275	0		0	118	1	1	1	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.979318
45	0		112	160	0		1	138	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.026226
62	0		140	394	0		0	157	0	1.2	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.157162
35	0		138	183	0		1	182	0	1.4	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.026531
64	0		180	325	0		1	154	1	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.365665
38	1		120	231	0		1	182	1	3.8	0	0	0	0	0	0	0	0	0
C		0		0		0		0											0.68827

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age	sex	trest	bps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	sl	ope_0	slo	pe_1	slope	_2		esponse Value									Estin	nated Pro	bability
66	1		120	302	0		0	151	0	0.4	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.235593
44	1		120	226	0		1	169	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										(	0.09111
54	1		150	232	0		0	165	0	1.6	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.342824
48	1		122	222	0		0	186	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.067896
55	0		132	342	0		1	166	0	1.2	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.061315
45	1		104	208	0		0	148	1	3	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.799255
53	1		123	282	0		1	95	1	2	2	0	0	0	0	0	0	0	0
C		0		0		0		0										0	.997876
67	1		120	237	0		1	71	0	1	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.757963
58	1		132	224	0		0	173	0	3.2	2	0	0	0	0	0	0	0	0
C		0		0		0		0											0.90466
71	0		110	265	1		0	130	0	0	1	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.160209
43	1		110	211	0		1	161	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0											0.0919
44	1		120	263	0		1	173	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0											0.1002
54	1		110	206	0		0	108	1	0	1	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.957024
56	1		130	283	1		0	103	1	1.6	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.937663
44	1		130	219	0		0	188	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.080855
41	0		105	198	0		1	168	0	0	1	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.061586
45	0		130	234	0		0	175	0	0.6	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.031847

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age thal_3	sex	trest		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
35	1	1	122	192	0		1	174	0	0	0	1	0	0	0	0	0	0	0
35	_	0	122	0	0	0	'	0	0			'	0	0		0	0		.082143
41	0		130	204	0		0	172	0	1.4	0	1	0	0	0	0	0	0	0
	_	0		0		0		0											.045929
64	1		110	211	0		0	144	1	1.8	0	1	0	0	0	0	0	0	0
(		0		0		0		0		l						l	<u> </u>	0.	.643037
71	0		110	265	1		0	130	0	0	1	1	0	0	0	0	0	0	0
(	ו	0		0		0		0									ı	0	.160209
71	0		160	302	0		1	162	0	0.4	2	1	0	0	0	0	0	0	0
(		0		0		0		0										0	.482706
58	0		120	340	0		1	172	0	0	0	1	0	0	0	0	0	0	0
(		0		0		0		0										0.	.021072
52	1		138	223	0		1	169	0	0	4	1	0	0	0	0	0	0	0
(		0		0		0		0										0.	.070859
58	1		128	259	0		0	130	1	3	2	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.996057
61	1		150	243	1		1	137	1	1	0	1	0	0	0	0	0	0	0
(		0		0		0		0		-							-	0.	.690608
56	0		200	288	1		0	133	1	4	2	0	0	0	0	0	0	0	0
	)	0		0		0		0										0	.995558
67	1		120	237	0		1	71	0	1	0	0	0	0	0	0	0	0	0
(	)	0		0		0		0								1		0.	.757963
58	1		150	270	0		0	111	1	0.8	0	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.940001
35	1		122	192	0		1	174	0	0	0	1	0	0	0	0	0	0	0
(	)	0		0	1	0		0	i i	i .		<u> </u>				1	i .		.082143
52	1		120	325	0		1	172	0	0.2	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0	<u> </u>	l l							l l		.132743
46	0		105	204	0	_	1	172	0	0	0	1	0	0	0	0	0	0	0
		0		0	T	0		0											.008736
51	1		94	227	0		1	154	1	0	1	1	0	0	0	0	0	0	0
1		0		0		0		0								l l			.714554
55	0		132	342	0		1	166	0	1.2	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.061315

200	504	tresti	ne	chol	fbs	-	stecg	thalach	ovana	oldpeak	62	target	cn 0	en 1	en 2	cn 2	thal_0	thal_1	thal_2
age thal_3	sex 3 sl	ope_0		pe_1	slope			esponse Value	exang	Olupeak	са	target	cp_0	cp_1	cp_2	cp_3		nated Pro	
60	1		145	282	0		0	142	1	2.8	2	0	0	0	0	0	0	0	0
C	)	0		0		0		0										0.	.995758
52	0		136	196	0		0	169	0	0.1	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.022896
62	1		120	267	0		1	99	1	1.8	2	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.995905
44	0		118	242	0		1	149	0	0.3	1	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.196121
44	1		120	220	0		1	170	0	0	0	1	0	0	0	0	0	0	0
C	ו	0		0		0		0										0.	.084916
59	1		126	218	1		1	134	0	2.2	1	0	0	0	0	0	0	0	0
C	)	0		0		0		0										0.	.720816
56	0		140	294	0		0	153	0	1.3	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.119706
61	1		120	260	0		1	140	1	3.6	1	0	0	0	0	0	0	0	0
C	ו	0		0		0		0										0.	.971568
48	1		130	256	1		0	150	1	0	2	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.965741
70	1		160	269	0		1	112	1	2.9	1	0	0	0	0	0	0	0	0
C	)	0		0		0		0										0.	.992445
74	0		120	269	0		0	121	1	0.2	1	1	0	0	0	0	0	0	0
С	ו	0		0		0		0										(	0.72736
40	1		140	199	0		1	178	1	1.4	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.500258
42	1		148	244	0		0	178	0	0.8	2	1	0	0	0	0	0	0	0
C	ו	0		0		0		0										0	.871656
64	0		140	313	0	L,	1	133	0	0.2	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.094311
63	0		135	252	0		0	172	0	0	0	1	0	0	0	0	0	0	0
C	)	0		0		0		0										0.	.020548
59	1		140	177	0		1	162	1	0	1	0	0	0	0	0	0	0	0
C		0		0		0		0										0	.734922
53	0		128	216	0		0	115	0	0	0	1	0	0	0	0	0	0	0
C	)	0		0		0		0										0.	.131387

		4		-ll	<b>6</b>		-4	Alaala ah		ما ما ما ما د		4	0	1	3	an 2	45-1.0	Abal 4	thal 2
age thal_:	sex	trestl		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
53	0		130	264	0		0	143	0	0.4	0	1	0	0	0	0	0	0	0
33		0	130	0	0	0	U	0	0	0.4		'	0	0	U	0	0		.086069
45	1		142	309	0		0	147	1	0	3	0	0	0	0	0	0	0	0
.5		0		0		0		0											.977741
66	1		160	246	0		1	120	1	0	3	0	0	0	0	0	0	0	0
		0		0		0		0									l		.976204
48	1		130	245	0		0	180	0	0.2	0	1	0	0	0	0	0	0	0
(		0		0		0		0					l				I	0.	.120577
54	1		192	283	0		0	195	0	0	1	0	0	0	0	0	0	0	0
(		0		0		0		0										0.	.626731
57	1		150	276	0		0	112	1	0.6	1	0	0	0	0	0	0	0	0
(		0		0		0		0										0	.988497
70	1		130	322	0		0	109	0	2.4	3	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.976378
53	0		128	216	0		0	115	0	0	0	1	0	0	0	0	0	0	0
(	ו	0		0		0		0										0.	.131387
37	0		120	215	0		1	170	0	0	0	1	0	0	0	0	0	0	0
	)	0		0		0		0										0	.017774
63	0		108	269	0		1	169	1	1.8	2	0	0	0	0	0	0	0	0
(		0		0		0		0					1					0.	.705206
37	1		130	250	0		1	187	0	3.5	0	1	0	0	0	0	0	0	0
(	ו	0		0		0		0					1				1	0.	.308371
58	1		150	270	0		0	111	1	0.8	0	0	0	0	0	0	0	0	0
1	)	0		0		0		0					1						.940001
57	1		150	126	1		1	173	0	0.2	1	1	0	0	0	0	0	0	0
	)	0		0		0		0					l l						.191528
54	1		125	273	0		0	152	0	0.5	1	1	0	0	0	0	0	0	0
1	)	0		0		0		0									<u> </u>		.698985
60	1		130	253	0		1	144	1	1.4	1	0	0	0	0	0	0	0	0
20		0	100	0		0		0										1 1	.929886
38	1	0	138	175 0	0		1	173	0	0	4	1	0	0	0	0	0	0	.066354
	1					0		0											
44	1	0	120	226 0	0	0	1	169	0	0	0	1	0	0	0	0	0	0	0.09111
	_ ر	U		U		U		U											J.U9111

																	Ī		
age	sex	trest	ops	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slo	ppe_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
65	0		155	269	0		1	148	0	0.8	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.072258
52	1		172	199	1		1	162	0	0.5	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.173097
41	1		120	157	0		1	182	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.040825
66	1		160	246	0		1	120	1	0	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.976204
50	1		150	243	0		0	128	0	2.6	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.792317
54	0		108	267	0		0	167	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.020093
43	1		132	247	1		0	143	1	0.1	4	0	0	0	0	0	0	0	0
0		0		0		0		0											0.58548
62	0		130	263	0		1	97	0	1.2	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.683478
66	1		120	302	0		0	151	0	0.4	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.235593
50	1		144	200	0		0	126	1	0.9	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0.	.867373
57	1		110	335	0		1	143	1	3	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.972509
57	1		110	201	0		1	126	1	1.5	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.698898
46	0		138	243	0		0	152	1	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0											0.26961
59	1		164	176	1		0	90	0	1	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.984974
67	1		160	286	0		0	108	1	1.5	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.995812
59	1		134	204	0		1	162	0	0.8	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.740212
53	0		128	216	0		0	115	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.131387

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age	sex	tresti	bps	chol	fbs	re	stecg R	thalach esponse	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	sl	ope_0	slo	pe_1	slope	_2		Value									Estin	nated Pro	bability
48	1		122	222	0		0	186	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.067896
62	1		130	231	0		1	146	0	1.8	3	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.787884
43	0		122	213	0		1	165	0	0.2	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.020169
57	0		130	236	0		0	174	0	0	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.098035
53	1		130	246	1		0	173	0	0	3	1	0	0	0	0	0	0	0
0		0		0		0		0											0.46429
58	1		112	230	0		0	165	0	2.5	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0.	.643484
48	1		110	229	0		1	168	0	1	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0.	.107478
58	1		105	240	0		0	154	1	0.6	0	1	0	0	0	0	0	0	0
0		0		0		0		0											0.48683
51	1		110	175	0		1	123	0	0.6	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.248344
55	1		132	353	0		1	132	1	1.2	1	0	0	0	0	0	0	0	0
0		0		0		0		0									,	0.	.978042
46	0		142	177	0		0	160	1	1.4	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.264618
59	1		140	221	0		1	164	1	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.374287
64	0		130	303	0		1	122	0	2	2	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.844293
67	1		120	237	0		1	71	0	1	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0.	.757963
52	1		118	186	0		0	190	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.038864
58	1		146	218	0		1	105	0	2	1	0	0	0	0	0	0	0	0
0		0		0		0		0		1						ı		0	.941787
58	1		132	224	0		0	173	0	3.2	2	0	0	0	0	0	0	0	0
0		0		0		0		0		I.		1	1			I.	ı	1	0.90466

					1 1														
age	sex	trest	bps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_:	3 sl	ope_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
59	1		110	239	0		0	142	1	1.2	1	0	0	0	0	0	0	0	0
(	o	0		0		0		0											0.923
58	1		150	270	0		0	111	1	0.8	0	0	0	0	0	0	0	0	0
(	o	0		0		0		0										0.	.940001
35	1		126	282	0		0	156	1	0	0	0	0	0	0	0	0	0	0
(	o	0		0		0		0										0.	.728612
51	1		110	175	0		1	123	0	0.6	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.248344
42	0		120	209	0		1	173	0	0	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.013314
77	1		125	304	0		0	162	1	0	3	0	0	0	0	0	0	0	0
	ס	0		0		0		0										0.	.873094
64	1		120	246	0		0	96	1	2.2	1	0	0	0	0	0	0	0	0
	ס	0		0		0		0										0.	.991217
58	0		136	319	1		0	152	0	0	2	0	0	0	0	0	0	0	0
	ס	0		0		0		0										0	.520502
45	1		110	264	0		1	132	0	1.2	0	0	0	0	0	0	0	0	0
	ס	0		0		0		0										0	.403793
51	1		110	175	0		1	123	0	0.6	0	1	0	0	0	0	0	0	0
	ס	0		0		0		0										0	.248344
62	0		160	164	0		0	145	0	6.2	3	0	0	0	0	0	0	0	0
	ס	0		0		0		0										0.	.891204
63	1		130	330	1		0	132	1	1.8	3	0	0	0	0	0	0	0	0
	ס	0		0		0		0										0.	.983637
68	1		180	274	1		0	150	1	1.6	0	0	0	0	0	0	0	0	0
	ס	0		0		0		0											0.83717
40	1		110	167	0		0	114	1	2	0	0	0	0	0	0	0	0	0
	ס	0		0		0		0										0.	.896817
63	1		145	233	1		0	150	0	2.3	0	1	0	0	0	0	0	0	0
	ס	0		0		0		0											0.36266
49	1		120	188	0		1	139	0	2	3	0	0	0	0	0	0	0	0
	ס	0		0		0		0										0.	.821881
46	0		105	204	0		1	172	0	0	0	1	0	0	0	0	0	0	0
	ס	0		0		0		0										0.	.008736

		T			_								_			Ī	1		
age thal_3	sex	trest		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
61	1	T	140	207	0	<u></u>	0	138	1	1.9	1	0	0	0	0	0	0	0	
01	_	0	140	0	0	0		0	'	1.9	'	U	0	U	0		0		.964372
58	1		140	211	1		0	165	0	0	0	1	0	0	0	0	0	0	0
30		0	140	0	<u>'</u>	0	0	0	0	0		'	0	0	0	0	0		.094683
58	1	Т	100	234	0		1	156	0	0.1	1	0	0	0	0	0	0	0	0
30		0		0		0	'	0		0.1	<u>'</u>								.312829
46	1	T	150	231	0		1	147	0	3.6	0	0	0	0	0	0	0	0	0
.0		0		0		0	·	0		3.0									.674463
56	1	T	125	249	1		0	144	1	1.2	1	0	0	0	0	0	0	0	0
(	_	0		0	<u> </u>	0		0											.921188
57	1		150	276	0		0	112	1	0.6	1	0	0	0	0	0	0	0	0
(		0		0		0		0		l						<u> </u>	l	0.	.988497
70	1		130	322	0		0	109	0	2.4	3	0	0	0	0	0	0	0	0
(		0		0	1	0		0		l	<u> </u>					l	l	0.	.976378
59	1		170	288	0		0	159	0	0.2	0	0	0	0	0	0	0	0	0
(		0		0		0		0								<u> </u>		0	.399602
41	0		130	204	0		0	172	0	1.4	0	1	0	0	0	0	0	0	0
(		0		0		0		0										0.	.045929
54	1		125	273	0		0	152	0	0.5	1	1	0	0	0	0	0	0	0
(		0		0		0		0										0.	.698985
52	1		138	223	0		1	169	0	0	4	1	0	0	0	0	0	0	0
(		0		0		0		0										0.	.070859
62	0		124	209	0		1	163	0	0	0	1	0	0	0	0	0	0	0
(		0		0		0		0										0	.011774
65	0		160	360	0		0	151	0	0.8	0	1	0	0	0	0	0	0	0
(		0		0		0		0										0.	.176691
57	0		120	354	0		1	163	1	0.6	0	1	0	0	0	0	0	0	0
(		0		0		0		0										0.	.187378
58	0		136	319	1		0	152	0	0	2	0	0	0	0	0	0	0	0
(		0		0		0		0										0.	.520502
45	1		142	309	0		0	147	1	0	3	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.977741
51	0		130	305	0		1	142	1	1.2	0	0	0	0	0	0	0	0	0
(		0		0		0		0										0.	.405639

age	sex	trestl	bps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_	3 sl	ope_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
54	0		160	201	0		1	163	0	0	1	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.148989
43	1		132	247	1		0	143	1	0.1	4	0	0	0	0	0	0	0	0
	0	0		0		0		0										(	0.58548
67	1		152	212	0		0	150	0	0.8	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.282895
65	0		150	225	0		0	114	0	1	3	0	0	0	0	0	0	0	0
	0	0		0		0		0											0.73317
60	0		102	318	0		1	160	0	0	1	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.097554
37	1		130	250	0		1	187	0	3.5	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.308371
41	0		112	268	0		0	172	1	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.123742
57	0		120	354	0		1	163	1	0.6	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.187378
59	0		174	249	0		1	143	1	0	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.343542
67	1		120	229	0		0	129	1	2.6	2	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.991501
47	1		130	253	0		1	179	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.086393
58	1		120	284	0		0	160	0	1.8	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.316974
62	0		150	244	0		1	154	1	1.4	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.261068
60	1		140	293	0		0	170	0	1.2	2	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.884637
57	1		152	274	0		1	88	1	1.2	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.994659
47	1		130	253	0		1	179	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.086393
55	1		160	289	0		0	145	1	0.8	1	0	0	0	0	0	0	0	0
	0	0		0		0		0		I						1		0.	.975741

					Ι_		_			T					-	Ì	1		
age thal_3	sex	trestlope_0		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
51			120	295	0	<u></u>	0		0	0.6		1	0	0	0		0		
0	0	0	120	0	0	0	U	157	0	0.6	0	1	0	U	U	0	0	0	0.06152
52			112	230	0		1	160	0			0		0				0	
0	1	0	112	0	0	0	1	0	0	0	1	0	0	0	0	0	0		.358466
63	0	I	150	407	0		0	154	0	4	3	0	0	0	0	0	0	0	0
05	_	0	130	0		0		0	0			0		0	0	0	0		.899797
66	0	ī	178	228	1		1	165	1	1	2	0	0	0	0	0	0	0	0
00	Т	0	170	0	<u> </u>	0		0	<u>'</u>	<u> </u>		0		U	0	0	0		.792235
49	0		134	271	0		1	162	0	0	0	1	0	0	0	0	0	0	0
0	1	0	134	0		0	'	0	0			<u>'</u>		0	0				.032576
65	0		150	225	0		0	114	0	1	3	0	0	0	0	0	0	0	0
05	_	0	130	0		0		0		'									0.73317
47	1	I	108	243	0		1	152	0	0	0	0	0	0	0	0	0	0	0
0	_	0		0		0	·	0											.129929
39	0		138	220	0		1	152	0	0	0	1	0	0	0	0	0	0	0
0	Т.	0		0		0	<u> </u>	0											.047333
43	1	i i	150	247	0		1	171	0	1.5	0	1	0	0	0	0	0	0	0
0	1	0		0		0		0											.289345
51	1		140	261	0		0	186	1	0	0	1	0	0	0	0	0	0	0
0	$\top$	0		0	<u> </u>	0		0											.397708
69	1		140	254	0		0	146	0	2	3	0	0	0	0	0	0	0	0
0		0		0	<u> </u>	0		0					<u> </u>			<u> </u>			.877388
52	1		118	186	0		0	190	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0		<u> </u>			<u> </u>			<u> </u>	<u> </u>	0.	.038864
43	1		110	211	0		1	161	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0					<u> </u>			<u> </u>	<u> </u>		0.0919
67	0		115	564	0		0	160	0	1.6	0	1	0	0	0	0	0	0	0
0		0		0		0		0					<u> </u>			<u> </u>	l	0.	.245729
38	1		138	175	0		1	173	0	0	4	1	0	0	0	0	0	0	0
0		0		0		0		0	1	I		1	<u> </u>			<u> </u>	I	0.	.066354
44	1		130	219	0		0	188	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0		<u> </u>						<u> </u>	<u> </u>	0.	.080855
47	1		110	275	0		0	118	1	1	1	0	0	0	0	0	0	0	0
0		0		0		0		0					<u> </u>			<u> </u>			.979318

																	111001 23,		
age	sex	trestl	ps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	ср_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slo	ppe_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
61	1		150	243	1		1	137	1	1	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.690608
67	1		160	286	0		0	108	1	1.5	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.995812
60	0		150	240	0		1	171	0	0.9	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.029175
41	1		130	214	0		0	168	0	2	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.321216
48	1		110	229	0		1	168	0	1	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.107478
57	1		150	126	1		1	173	0	0.2	1	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.191528
57	1		165	289	1		0	124	0	1	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.952789
39	1		140	321	0		0	182	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.237374
58	1		128	216	0		0	131	1	2.2	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.983053
65	1		110	248	0		0	158	0	0.6	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.755517
62	1		120	281	0		0	103	0	1.4	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.940258
41	1		110	172	0		0	158	0	0	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.120501
54	0		132	288	1		0	159	1	0	1	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.509465
61	1		150	243	1		1	137	1	1	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.690608
57	0		128	303	0		0	159	0	0	1	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.221125
64	1		125	309	0		1	131	1	1.8	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.837668
51	1		125	245	1		0	166	0	2.4	0	1	0	0	0	0	0	0	0
0		0		0		0		0								1		0	.250527

																		2022 05.2	
age	sex	trest	bps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_	3 s	lope_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
59	1		135	234	0		1	161	0	0.5	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.136497
68	1		180	274	1		0	150	1	1.6	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										(	0.83717
54	1		140	239	0		1	160	0	1.2	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.229509
46	0		142	177	0		0	160	1	1.4	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.264618
71	0		112	149	0		1	125	0	1.6	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.037721
46	0		142	177	0		0	160	1	1.4	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.264618
45	0		130	234	0		0	175	0	0.6	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.031847
47	1		108	243	0		1	152	0	0	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.129929
44	0		118	242	0		1	149	0	0.3	1	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.196121
61	1		120	260	0		1	140	1	3.6	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.971568
41	0		130	204	0		0	172	0	1.4	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.045929
55	0		180	327	0		2	117	1	3.4	0	0	0	0	0	0	0	0	0
	0	0		0		0		0											0.96735
43	1		120	177	0		0	120	1	2.5	0	0	0	0	0	0	0	0	0
	0	0		0		0		0											0.91371
54	1		110	206	0		0	108	1	0	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.957024
60	1		130	206	0		0	132	1	2.4	2	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.991946
41	0		105	198	0		1	168	0	0	1	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.061586
49	1		120	188	0		1	139	0	2	3	0	0	0	0	0	0	0	0
	0	0		0		0		0								1		0.	.821881

		1			_					l						Ì	1	2022 03.2	
age thal_3	sex	trest		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
		<del></del>					1		1					0			1		
59	1	0	140	177 0	0	0	1	162 0	1	0	1	0	0	0	0	0	0	0	.734922
		1	125				4			0.4									
58	1	0	125	220	0	0	1	144 0	0	0.4	4	1	0	0	0	0	0	0	.125039
67			152	277			1	172			1			0	0	0			
67	0	0	152	0	0	0	_ '	0	0	0		1	0	0	0	0	0	0	.109576
			1.40				1												
61	1	0	148	203	0	0	1	161	0	0	1	0	0	0	0	0	0	0	.424015
		1	112			0		0		2.5									
58	1	0	112	230	0		0	165	0	2.5	1	0	0	0	0	0	0	0	.643484
	0					0		0											
51	0		130	256	0		0	149	0	0.5	0	1	0	0	0	0	0	0	0
(		0		0		0		0											.073545
62	0		160	164	0		0	145	0	6.2	3	0	0	0	0	0	0	0	0
		0		0		0		0											.891204
62	0		124	209	0		1	163	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0		Ī .			<u> </u>			<u> </u>			.011774
59	1		178	270	0		0	145	0	4.2	0	1	0	0	0	0	0	0	0
(		0		0		0		0		Ī							l .		.875513
69	1		160	234	1		0	131	0	0.1	1	1	0	0	0	0	0	0	0
	0	0		0		0		0											.740097
60	0		150	258	0		0	157	0	2.6	2	0	0	0	0	0	0	0	0
	)	0		0	1	0		0		I									.787906
65	0		155	269	0		1	148	0	8.0	0	1	0	0	0	0	0	0	0
(		0		0		0		0		l e			1			l l			.072258
63	0		124	197	0		1	136	1	0	0	0	0	0	0	0	0	0	0
- (		0		0		0		0								1			.129439
53	0		138	234	0		0	160	0	0	0	1	0	0	0	0	0	0	0
(		0		0		0		0		1			1			1			.039195
76	0		140	197	0		2	116	0	1.1	0	1	0	0	0	0	0	0	0
		0		0		0		0		1			<u> </u>			I			.170681
50	0		120	219	0		1	158	0	1.6	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0		l .							Ī		.039205
52	1		120	325	0		1	172	0	0.2	0	1	0	0	0	0	0	0	0
(	ן כ	0		0		0		0										0	.132743

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Mailay   Sippe,   S	age	sex	tresti	ops	chol	fbs	re			exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
1	thal_:	3 sl	ope_0	slo	pe_1	slope	_2	R										Estin	nated Pro	bability
A	46	1		120	249	0		0	144	0	0.8	0	0	0	0	0	0	0	0	0
See	(	0	0		0		0		0										0	.370979
Note	64	1		170	227	0		0	155	0	0.6	0	1	0	0	0	0	0	0	0
	(	0	0		0		0		0										0	.345643
	58	1		128	259	0		0	130	1	3	2	0	0	0	0	0	0	0	0
	(	0	0		0		0		0										0	.996057
	44	1		140	235	0		0	180	0	0	0	1	0	0	0	0	0	0	0
0	(	0	0		0		0		0										0	.139307
54         1         125         273         0         0         152         0         0.5         1         1         0	59	1		134	204	0		1	162	0	0.8	2	0	0	0	0	0	0	0	0
AB	(	0	0		0		0		0										0	.740212
A	54	1		125	273	0		0	152	0	0.5	1	1	0	0	0	0	0	0	0
1	(	0	0		0		0		0										0	.698985
To   1	48	1		110	229	0		1	168	0	1	0	0	0	0	0	0	0	0	0
0	(	0	0		0		0		0										0.	.107478
Si	70	1		130	322	0		0	109	0	2.4	3	0	0	0	0	0	0	0	0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(	0	0		0		0		0										0.	.976378
69	51	0		120	295	0		0	157	0	0.6	0	1	0	0	0	0	0	0	0
0 0 0 0 0 0 0 16 16 1 3.2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(	0	0		0		0		0											0.06152
54         1         122         286         0         0         116         1         3.2         2         0	69	1		140	254	0		0	146	0	2	3	0	0	0	0	0	0	0	0
0         0         0         0         0         0         0.998176           43         0         132         341         1         0         136         1         3         0	(	0	0		0		0		0										0.	.877388
43         0         132         341         1         0         136         1         3         0<	54	1		122	286	0		0	116	1	3.2	2	0	0	0	0	0	0	0	0
0         0         0         0         0         0         0         0         0.758402           53         1         130         197         1         0         152         0         1.2         0         1         0	(	0	0		0		0		0										0.	.998176
53         1         130         197         1         0         152         0         1.2         0         1         0         0         0         0         0         0         0         0         0         0.197195           58         1         100         234         0         1         156         0         0.1         1         0 </td <td>43</td> <td>0</td> <td></td> <td>132</td> <td>341</td> <td>1</td> <td></td> <td>0</td> <td>136</td> <td>1</td> <td>3</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td>	43	0		132	341	1		0	136	1	3	0	0	0	0	0	0	0	0	0
0         0         0         0         0         0.197195           58         1         100         234         0         1         156         0         0.1         1         0		0	0		0		0		0										0	.758402
58         1         100         234         0         1         156         0         0.1         1         0	53	1		130	197	1		0	152	0	1.2	0	1	0	0	0	0	0	0	0
0         0         0         0         0         0         0.312829           67         1         125         254         1         1         163         0         0.2         2         0	(	0	0		0		0		0										0.	.197195
67         1         125         254         1         1         163         0         0.2         2         0         0         0         0         0         0         0         0         0         0         0.560237         0.560237         0.560237         0.560237         0.734922         0 </td <td>58</td> <td>1</td> <td></td> <td>100</td> <td>234</td> <td>0</td> <td></td> <td>1</td> <td>156</td> <td>0</td> <td>0.1</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td>	58	1		100	234	0		1	156	0	0.1	1	0	0	0	0	0	0	0	0
0         0         0         0         0         0         0.560237           59         1         140         177         0         1         162         1         0         1         0	(	0	0		0		0		0										0.	.312829
59         1         140         177         0         1         162         1         0         1         0<	67	1		125	254	1		1	163	0	0.2	2	0	0	0	0	0	0	0	0
0     0     0     0     0     0     0.734922       48     1     122     222     0     0     186     0     0     0     1     0 <td></td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td></td> <td>0</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.</td> <td>.560237</td>		0	0		0		0		0										0.	.560237
48 1 122 222 0 0 186 0 0 0 1 0 0 0 0 0 0	59	1		140	177	0		1	162	1	0	1	0	0	0	0	0	0	0	0
		0	0		0		0		0										0.	.734922
0 0 0 0 0 0 0 0 0.067896	48	1		122	222	0		0	186	0	0	0	1	0	0	0	0	0	0	0
<u> </u>		0	0		0		0		0										0	.067896

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age thal_3	sex	trest		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
39	0		94	199	0		1	179	0	0	0	1	0	0	0	0	0	0	0
33	_	0		0	0	0	'	0				'			0				.006366
67	1		120	237	0		1	71	0	1	0	0	0	0	0	0	0	0	0
(		0		0		0		0											.757963
58	0		130	197	0		1	131	0	0.6	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0											0.05554
65	0		155	269	0		1	148	0	0.8	0	1	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.072258
42	0		120	209	0		1	173	0	0	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.013314
56	1		132	184	0		0	105	1	2.1	1	0	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.988018
53	0		138	234	0		0	160	0	0	0	1	0	0	0	0	0	0	0
(		0		0		0		0										0.	.039195
50	0		110	254	0		0	159	0	0	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.028554
41	1		130	214	0		0	168	0	2	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.321216
54	0		160	201	0		1	163	0	0	1	1	0	0	0	0	0	0	0
(	) 	0		0		0		0										0	.148989
42	1		120	240	1		1	194	0	0.8	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.042305
54	0		135	304	1		1	170	0	0	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0					-					0.	.017963
60	1		145	282	0		0	142	1	2.8	2	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.995758
34	1		118	182	0		0	174	0	0	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.105682
44	1		112	290	0		0	153	0	0	1	0	0	0	0	0	0	0	0
	)	0		0		0		0											.670545
60	1		125	258	0		0	141	1	2.8	1	0	0	0	0	0	0	0	0
	)	0		0		0		0		I									.974794
43	1		150	247	0		1	171	0	1.5	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.289345

					_											Ī	1111001 23,		
age thal_3	sex	trest		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
		T															1		
70	1		130	322 0	0		0	109	0	2.4	3	0	0	0	0	0	0	0	.976378
(		0				0		0											
62	0	0	140	394	0		0	157	0	1.2	0	1	0	0	0	0	0	0	.157162
(			1.46			0		0											
58	1	0	146	218	0	0	1	105	0	2	1	0	0	0	0	0	0	0	.941787
		T	101																
46	1		101	197	1		1	156	0	0	0	1	0	0	0	0	0	0	0
		0		0		0		0											.052278
44	1		140	235	0		0	180	0	0	0	1	0	0	0	0	0	0	120207
	0	0		0		0		0						_			<u> </u>		.139307
55	1		130	262	0		1	155	0	0	0	1	0	0	0	0	0	0	0
(		0		0		0		0						_					.160977
43	1		120	177	0	Ļ	0	120	1	2.5	0	0	0	0	0	0	0	0	0
(		0		0		0		0											0.91371
55	1		132	353	0	Ļ	1	132	1	1.2	1	0	0	0	0	0	0	0	0
	)	0		0	1	0		0								i i			.978042
40	.		140	199	0	L	1	178	1	1.4	0	1	0	0	0	0	0	0	0
(	0	0		0	1	0		0		1						<u> </u>	1	0.	.500258
64	1		125	309	0		1	131	1	1.8	0	0	0	0	0	0	0	0	0
	)	0		0		0		0	I	I		I					I	0.	.837668
59	1		164	176	1		0	90	0	1	2	0	0	0	0	0	0	0	0
(	)	0		0	1	0		0								I	I	0.	.984974
61	0		145	307	0		0	146	1	1	0	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.456046
54	1		122	286	0		0	116	1	3.2	2	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.998176
74	0		120	269	0		0	121	1	0.2	1	1	0	0	0	0	0	0	0
(	)	0		0		0		0		ı							ī	1	0.72736
63	0		108	269	0		1	169	1	1.8	2	0	0	0	0	0	0	0	0
	)	0		0		0		0										0	.705206
70	1		160	269	0		1	112	1	2.9	1	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.992445
63	0		108	269	0		1	169	1	1.8	2	0	0	0	0	0	0	0	0
(	o	0		0		0		0										0	.705206

															rucsus				
age thal_3	sex	trest		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
		<del></del>			slope						_								
64	1		145	212	0		0	132	0	2	2	0	0	0	0	0	0	0	0
(		0		0		0		0											.961736
61	.		148	203	0		1	161	0	0	1	0	0	0	0	0	0	0	0
(		0		0	T	0		0					<u> </u>						.424015
59	.		140	221	0		1	164	1	0	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0		I			I						.374287
38	1		138	175	0		1	173	0	0	4	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.066354
63	0		140	195	0		1	179	0	0	2	1	0	0	0	0	0	0	0
(	0	0		0		0		0											0.14368
46	1		140	311	0		1	120	1	1.8	2	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.997277
58	0		120	340	0		1	172	0	0	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.021072
47	1		130	253	0		1	179	0	0	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.086393
71	0		110	265	1		0	130	0	0	1	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.160209
66	1		112	212	0		0	132	1	0.1	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0		_								0	.881975
42	1		136	315	0		1	125	1	1.8	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.940542
64	1		145	212	0		0	132	0	2	2	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.961736
55	0		180	327	0		2	117	1	3.4	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0											0.96735
43	0		132	341	1		0	136	1	3	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0		<u> </u>			<u>I</u>					0.	.758402
55	0		128	205	0		2	130	1	2	1	0	0	0	0	0	0	0	0
	0	0		0	1	0		0		<u> </u>			<u>I</u>		<u> </u>	<u> </u>			0.8935
58	0	T	170	225	1		0	146	1	2.8	2	0	0	0	0	0	0	0	0
	0	0		0	1	0		0											.963903
55	1	1	140	217	0		1	111	1	5.6	0	0	0	0	0	0	0	0	0
	0	0		0		0		0											.982531
				٦															

51         0         130         305         0         1         142         1         1.2         0	thal_1 thal_2 mated Probability 0 0.405639 0 0.039209 0 0.147931 0 0.041959
thal_3         slope_0         slope_1         slope_2         Value         Estin           51         0         130         305         0         1         142         1         1.2         0	0 0.405639 0 0.039209 0 0.147931 0 0.041959
0       0	0.405639 0 0.039205 0 0.147931 0 0.041959
50         0         120         219         0         1         158         0         1.6         0         1         0	0 0.039205 0 0.147931 0 0 0.041955
0       0	0.039205 0 (0.147931 0 (0.041959
43       1       115       303       0       1       181       0       1.2       0       1       0	0 0.147931 0 0 0.041959
0       0	0.147931 0 ( 0.041959
41     0     126     306     0     1     163     0     0     0     1     0     0     0     0     0       0     <	0.041959
0     0     0     0     0       48     1     130     256     1     0     150     1     0     2     0     0     0     0     0     0	0.041959
48 1 130 256 1 0 150 1 0 2 0 0 0 0 0	1 1
	0 0
	0 0
	0.965741
62 0 138 294 1 1 106 0 1.9 3 0 0 0 0 0 0	0 0
0 0 0 0 0	0.766798
59 1 178 270 0 0 145 0 4.2 0 1 0 0 0 0	0 0
0 0 0 0 0	0.875513
69 1 140 254 0 0 146 0 2 3 0 0 0 0 0	0 0
0 0 0 0 0	0.877388
38         1         120         231         0         1         182         1         3.8         0	0 0
0 0 0 0 0	0.68827
69 0 140 239 0 1 151 0 1.8 2 1 0 0 0 0	0 0
0 0 0 0 0	0.543388
65 1 138 282 1 0 174 0 1.4 1 0 0 0 0 0 0	0 0
0 0 0 0 0	0.510772
45 1 110 264 0 1 132 0 1.2 0 0 0 0 0 0 0	0 0
0 0 0 0 0	0.403793
45 0 130 234 0 0 175 0 0.6 0 1 0 0 0 0	0 0
0 0 0 0 0	0.031847
61 1 138 166 0 0 125 1 3.6 1 0 0 0 0 0	0 0
0 0 0 0 0	0.98549
53 0 130 264 0 0 143 0 0.4 0 1 0 0 0 0	0 0
0 0 0 0 0	0.086069
59 0 174 249 0 1 143 1 0 0 0 0 0 0 0 0	0 0
0 0 0 0 0	0.343542
58 0 120 340 0 1 172 0 0 0 1 0 0 0 0	0 0
0 0 0 0	0.021072

																		2022 05.2	
age	sex	trest	bps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	ср_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_	3 s	lope_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
65	1		138	282	1		0	174	0	1.4	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.510772
58	0		130	197	0		1	131	0	0.6	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										(	0.05554
46	0		138	243	0		0	152	1	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0											0.26961
56	0		134	409	0		0	150	1	1.9	2	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.976016
64	1		128	263	0		1	105	1	0.2	1	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.967035
65	1		120	177	0		1	140	0	0.4	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.119608
44	1		120	226	0		1	169	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0											0.09111
50	1		150	243	0		0	128	0	2.6	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.792317
47	1		108	243	0		1	152	0	0	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.129929
64	0		130	303	0		1	122	0	2	2	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.844293
71	0		112	149	0		1	125	0	1.6	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.037721
45	0		130	234	0		0	175	0	0.6	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.031847
62	1		120	267	0		1	99	1	1.8	2	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.995905
41	1		120	157	0		1	182	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.040825
56	1		130	283	1		0	103	1	1.6	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.937663
41	0		126	306	0		1	163	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.041959
41	1		110	235	0		1	153	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0								1		0.	.144478

					Τ_													1	
age	sex	trest	ops	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slo	ppe_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
39	0		138	220	0		1	152	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.047333
64	1		125	309	0		1	131	1	1.8	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.837668
59	1		138	271	0		0	182	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.107036
61	1		138	166	0		0	125	1	3.6	1	0	0	0	0	0	0	0	0
0		0		0		0		0											0.98549
66	0		150	226	0		1	114	0	2.6	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.283672
35	1		122	192	0		1	174	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.082143
57	1		124	261	0		1	141	0	0.3	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0.	.232422
66	1		160	246	0		1	120	1	0	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.976204
61	0		130	330	0		0	169	0	0	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0.	.036518
68	1		118	277	0		1	151	0	1	1	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.545576
58	1		100	234	0		1	156	0	0.1	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.312829
60	1		130	253	0		1	144	1	1.4	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.929886
63	1		130	254	0		0	147	0	1.4	1	0	0	0	0	0	0	0	0
0		0		0		0		0											0.75916
41	0		112	268	0		0	172	1	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.123742
59	1		170	326	0		0	140	1	3.4	0	0	0	0	0	0	0	0	0
0		0		0		0		0											0.97428
59	1		164	176	1		0	90	0	1	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.984974
63	0		150	407	0		0	154	0	4	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0.	.899797

age	sex	trestl	ops	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_:	3 sl	ope_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
56	0		200	288	1		0	133	1	4	2	0	0	0	0	0	0	0	0
(	o	0		0		0		0										0	.995558
54	0		135	304	1		1	170	0	0	0	1	0	0	0	0	0	0	0
(	ו	0		0		0		0										0.	.017963
58	1		105	240	0		0	154	1	0.6	0	1	0	0	0	0	0	0	0
(	ס	0		0		0		0										(	0.48683
55	0		135	250	0		0	161	0	1.4	0	1	0	0	0	0	0	0	0
(	ס	0		0		0		0										0.	.068075
53	1		140	203	1		0	155	1	3.1	0	0	0	0	0	0	0	0	0
(	)	0		0		0		0										(	0.77582
63	0		140	195	0		1	179	0	0	2	1	0	0	0	0	0	0	0
	0	0		0		0		0											0.14368
35	1		126	282	0		0	156	1	0	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.728612
50	0		120	219	0		1	158	0	1.6	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.039205
67	1		152	212	0		0	150	0	0.8	0	0	0	0	0	0	0	0	0
(	ו	0		0		0		0										0.	.282895
66	1		112	212	0		0	132	1	0.1	1	0	0	0	0	0	0	0	0
	ו	0		0		0		0										0.	.881975
35	1		126	282	0		0	156	1	0	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.728612
35	1		120	198	0		1	130	1	1.6	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.826416
71	0		160	302	0		1	162	0	0.4	2	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.482706
57	1		110	201	0		1	126	1	1.5	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.698898
51	1		94	227	0		1	154	1	0	1	1	0	0	0	0	0	0	0
	וכ	0		0		0		0										0	.714554
58	1		128	216	0		0	131	1	2.2	3	0	0	0	0	0	0	0	0
	ס	0		0		0		0										0	.983053
57	1		128	229	0		0	150	0	0.4	1	0	0	0	0	0	0	0	0
	ס	0		0		0		0										0.	.633815
	_																		

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age	sex	trestl	ops	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	sl	ope_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
56	0		140	294	0		0	153	0	1.3	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.119706
60	0		120	178	1		1	96	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.066472
35	1		120	198	0		1	130	1	1.6	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.826416
45	0		112	160	0		1	138	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.026226
66	0		150	226	0		1	114	0	2.6	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.283672
51	1		125	213	0		0	125	1	1.4	1	1	0	0	0	0	0	0	0
C		0		0		0		0											0.97237
70	1		156	245	0		0	143	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.307169
55	0		128	205	0		2	130	1	2	1	0	0	0	0	0	0	0	0
C		0		0		0		0											0.8935
55	0		135	250	0		0	161	0	1.4	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.068075
52	1		108	233	1		1	147	0	0.1	3	1	0	0	0	0	0	0	0
C		0		0		0		0		_						_			0.48246
45	1		115	260	0		0	185	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.084276
67	0		152	277	0		1	172	0	0	1	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.109576
68	0		120	211	0		0	115	0	1.5	0	1	0	0	0	0	0	0	0
C	)	0		0		0		0										0	.136547
74	0		120	269	0		0	121	1	0.2	1	1	0	0	0	0	0	0	0
C		0		0		0		0									,		0.72736
60	0		150	258	0		0	157	0	2.6	2	0	0	0	0	0	0	0	0
C	)	0		0		0		0										0.	.787906
48	1		124	274	0		0	166	0	0.5	0	0	0	0	0	0	0	0	0
C	)	0		0		0		0										0.	.219293
56	1		130	221	0		0	163	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.136002

200	SOY	tresti	nnc	chol	fbs		stecg	thalach	evana	oldpeak	62	target	cn 0	en 1	cn 2	cn 2	thal_0	thal_1	thal 2
age thal_3	sex 3 sl	ope_0		pe_1	slope			esponse Value	exang	Olupeak	са	target	cp_0	cp_1	cp_2	cp_3		nated Pro	thal_2
55	0		135	250	0		0	161	0	1.4	0	1	0	0	0	0	0	0	0
C	)	0		0		0		0										0.	.068075
52	1		112	230	0		1	160	0	0	1	0	0	0	0	0	0	0	0
C		0		0		0		0		1	<u> </u>						1	0	.358466
44	0		108	141	0		1	175	0	0.6	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.007554
52	1		128	204	1		1	156	1	1	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.411584
59	1		110	239	0		0	142	1	1.2	1	0	0	0	0	0	0	0	0
C		0		0		0		0											0.923
67	1		120	229	0		0	129	1	2.6	2	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.991501
58	1		125	300	0		0	171	0	0	2	0	0	0	0	0	0	0	0
C		0		0		0		0										0	.777479
44	1		140	235	0		0	180	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.139307
41	0		112	268	0		0	172	1	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.123742
63	1		130	330	1		0	132	1	1.8	3	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.983637
58	1		125	220	0		1	144	0	0.4	4	1	0	0	0	0	0	0	0
С		0		0		0		0										0.	.125039
60	0		102	318	0		1	160	0	0	1	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.097554
60	1		117	230	1		1	160	1	1.4	2	0	0	0	0	0	0	0	0
C		0		0		0		0		-							-	0.	.917698
44	1		120	226	0		1	169	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0		-							-		0.09111
58	1		125	220	0		1	144	0	0.4	4	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.125039
65	0		160	360	0		0	151	0	0.8	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.176691
48	1		130	245	0		0	180	0	0.2	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.120577

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age thal_3	sex	trest		chol pe_1	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
65	1		120	177	0	<u>-</u> -	1	140	0	0.4	0	1	0	0	0	0	0	0	0
05		0	120	0	0	0	'	0	0	0.4		<u>'</u>	U	U	0		0		.119608
51	0		130	256	0		0	149	0	0.5	0	1	0	0	0	0	0	0	0
(		0	130	0	0	0		0		0.5		'	0	0					.073545
48	1	T	124	255	1		1	175	0	0	2	1	0	0	0	0	0	0	0
.0		0		0	'	0		0											0.56082
64	1	T	120	246	0		0	96	1	2.2	1	0	0	0	0	0	0	0	0
(		0		0		0		0											.991217
66	1	1	160	228	0		0	138	0	2.3	0	1	0	0	0	0	0	0	0
(	_	0		0		0		0											.619624
46	0		105	204	0		1	172	0	0	0	1	0	0	0	0	0	0	0
(	o	0		0		0		0								<u> </u>			.008736
61	0		130	330	0		0	169	0	0	0	0	0	0	0	0	0	0	0
(	ס	0		0		0		0		<u> </u>						<u> </u>		0.	.036518
57	1		150	276	0		0	112	1	0.6	1	0	0	0	0	0	0	0	0
(	ס	0		0		0		0										0	.988497
49	0		130	269	0		1	163	0	0	0	1	0	0	0	0	0	0	0
(	ס	0		0		0		0										0.	.028614
56	1		130	221	0		0	163	0	0	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.136002
58	0		150	283	1		0	162	0	1	0	1	0	0	0	0	0	0	0
(	ס	0		0		0		0										0.	.057249
57	1		110	335	0		1	143	1	3	1	0	0	0	0	0	0	0	0
(	ו	0		0		0		0										0	.972509
57	1		110	335	0		1	143	1	3	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.972509
68	1		144	193	1		1	141	0	3.4	2	0	0	0	0	0	0	0	0
(	ו	0		0		0		0											0.91991
46	1		101	197	1		1	156	0	0	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.052278
71	0		110	265	1		0	130	0	0	1	1	0	0	0	0	0	0	0
(	ס	0		0		0		0										0	.160209
41	1		135	203	0		1	132	0	0	0	1	0	0	0	0	0	0	0
(	ם	0		0		0		0										0.	.330396

1		T			_		_			T			_			Ì			
age	sex			chol	fbs		stecg R	thalach esponse	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_:	3 s	lope_0	slo	pe_1	slope	_2		Value									Estin	nated Pro	bability
62	0		150	244	0		1	154	1	1.4	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.261068
51	1		100	222	0		1	143	1	1.2	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.547814
61	0		145	307	0		0	146	1	1	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.456046
34	0		118	210	0		1	192	0	0.7	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.011104
44	1		120	169	0		1	144	1	2.8	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.756841
58	1		146	218	0		1	105	0	2	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.941787
64	0		130	303	0		1	122	0	2	2	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.844293
54	1		150	232	0		0	165	0	1.6	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.342824
51	1		140	298	0		1	122	1	4.2	3	0	0	0	0	0	0	0	0
(	0	0		0		0		0											0.99726
62	0		138	294	1		1	106	0	1.9	3	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.766798
62	1		120	281	0		0	103	0	1.4	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0			ı							0.	.940258
54	1		110	239	0		1	126	1	2.8	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.971548
54	1		110	239	0		1	126	1	2.8	1	0	0	0	0	0	0	0	0
	0	0		0		0		0								<u> </u>		0.	.971548
68	1		144	193	1		1	141	0	3.4	2	0	0	0	0	0	0	0	0
	0	0		0		0		0			<u> </u>					<u> </u>			0.91991
60	0	1	120	178	1		1	96	0	0	0	1	0	0	0	0	0	0	0
	0	0		0	1	0		0		<u> </u>		<u> </u>							.066472
65	0	T	150	225	0		0	114	0	1	3	0	0	0	0	0	0	0	0
	0	0		0	1	0		0		<u>'</u>									0.73317
59	1	1	170	288	0	-	0	159	0	0.2	0	0	0	0	0	0	0	0	0
	0	0		0	1	0		0	U	0.2		U	U						.399602
				<u> </u>															.555002

					1											Ī	1	7022 03.2	Ī
age s	sex	tresti		chol	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
				pe_1	slope	:_z 											1		
43	1		115	303	0		1	181	0	1.2	0	1	0	0	0	0	0	0	0
0		0		0	1	0		0											.147931
67	1		120	229	0		0	129	1	2.6	2	0	0	0	0	0	0	0	0
0		0		0		0		0											.991501
63	1		145	233	1		0	150	0	2.3	0	1	0	0	0	0	0	0	0
0		0		0		0		0		<u> </u>			l .			I			0.36266
63	0		124	197	0		1	136	1	0	0	0	0	0	0	0	0	0	0
0		0		0	1	0		0		<u> </u>			ī			ī		0.	.129439
52	1		112	230	0		1	160	0	0	1	0	0	0	0	0	0	0	0
0		0		0	1	0		0		<u> </u>			1			1		0.	.358466
58	0		130	197	0		1	131	0	0.6	0	1	0	0	0	0	0	0	0
0		0		0		0		0											0.05554
53	1		142	226	0		0	111	1	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.887802
57	1		150	276	0		0	112	1	0.6	1	0	0	0	0	0	0	0	0
0		0		0		0		0		-			-					0	.988497
44	1		130	233	0		1	179	1	0.4	0	1	0	0	0	0	0	0	0
0		0		0		0		0											0.35916
51	1		94	227	0		1	154	1	0	1	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.714554
54	0		110	214	0		1	158	0	1.6	0	1	0	0	0	0	0	0	0
0		0		0		0		0											0.02774
40	1		110	167	0		0	114	1	2	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.896817
62	0		140	268	0		0	160	0	3.6	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.810707
53	1		140	203	1		0	155	1	3.1	0	0	0	0	0	0	0	0	0
0		0		0		0		0											0.77582
58	1		105	240	0		0	154	1	0.6	0	1	0	0	0	0	0	0	0
0		0		0		0		0				·							0.48683
70	1		156	245	0		0	143	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0		ı			1		<u> </u>	1		0	.307169
45	1		115	260	0		0	185	0	0	0	1	0	0	0	0	0	0	0
		I			1	4													

age	sex	trest	bps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_	3 sl	ope_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
42	1		148	244	0		0	178	0	0.8	2	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.871656
58	0		170	225	1		0	146	1	2.8	2	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.963903
61	1		140	207	0		0	138	1	1.9	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.964372
62	0		140	268	0		0	160	0	3.6	2	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.810707
60	1		130	253	0		1	144	1	1.4	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.929886
54	1		140	239	0		1	160	0	1.2	0	1	0	0	0	0	0	0	0
	0	0		0		0		0		,								0.	.229509
61	1		138	166	0		0	125	1	3.6	1	0	0	0	0	0	0	0	0
	0	0		0		0		0											0.98549
63	0		135	252	0		0	172	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.020548
42	1		130	180	0		1	150	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.160769
57	1		128	229	0		0	150	0	0.4	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.633815
44	1		130	233	0		1	179	1	0.4	0	1	0	0	0	0	0	0	0
	0	0		0		0		0											0.35916
54	1		124	266	0		0	109	1	2.2	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.991488
51	1		100	222	0		1	143	1	1.2	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0.	.547814
58	1		125	220	0		1	144	0	0.4	4	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.125039
68	1		118	277	0		1	151	0	1	1	1	0	0	0	0	0	0	0
	0	0		0		0		0	·	1					1	1		0	.545576
55	1		140	217	0		1	111	1	5.6	0	0	0	0	0	0	0	0	0
	0	0		0		0		0		1			1	I.	1	ı		0.	.982531
42	1		136	315	0		1	125	1	1.8	0	0	0	0	0	0	0	0	0
	0	0		0		0		0	1	ı		1			<u> </u>	<u> </u>	1	0.	.940542

		T			_														
age	sex	trest		chol	fbs		stecg R	thalach esponse Value	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3		<del></del>		pe_1	slope														
49	1		118	149	0		0	126	0	0.8	3	0	0	0	0	0	0	0	0
(		0		0		0		0											.825967
53	0		138	234	0		0	160	0	0	0	1	0	0	0	0	0	0	0
		0	.==	0		0		0											.039195
52	1		172	199	1		1	162	0	0.5	0	1	0	0	0	0	0	0	172007
		0		0		0		0											.173097
51	1		140	261	0		0	186	1	0	0	1	0	0	0	0	0	0	0
(		0		0		0		0	Ī .										.397708
58	1		112	230	0		0	165	0	2.5	1	0	0	0	0	0	0	0	0
- (		0		0	1	0		0											.643484
56	1		132	184	0		0	105	1	2.1	1	0	0	0	0	0	0	0	0
		0		0	1	0		0					<u> </u>						.988018
35	0		138	183	0	_	1	182	0	1.4	0	1	0	0	0	0	0	0	0
		0		0	T T	0		0					l I						.026531
61	1		138	166	0	_	0	125	1	3.6	1	0	0	0	0	0	0	0	0
(		0		0	1	0		0		1									0.98549
58	0		150	283	1		0	162	0	1	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0		i i		<u> </u>					<u> </u>	0.	.057249
52	1		128	255	0		1	161	1	0	1	0	0	0	0	0	0	0	0
(	)	0		0	1	0		0	I	I		ı	1				ı		.822742
58	1		120	284	0		0	160	0	1.8	0	0	0	0	0	0	0	0	0
(	)	0		0	1	0		0					I					0.	.316974
37	1		130	250	0		1	187	0	3.5	0	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0	.308371
52	1		128	255	0		1	161	1	0	1	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.822742
67	1		120	229	0		0	129	1	2.6	2	0	0	0	0	0	0	0	0
(	)	0		0		0		0		ı			1					0.	.991501
65	1		138	282	1		0	174	0	1.4	1	0	0	0	0	0	0	0	0
C	)	0		0		0		0		1								0.	.510772
46	1		101	197	1		1	156	0	0	0	1	0	0	0	0	0	0	0
C	)	0		0		0		0										0	.052278
68	0		120	211	0		0	115	0	1.5	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.136547

																		2022 05.2	
age	sex	tresti	ps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	ср_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	s sl	ope_0	slo	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
51	1		140	299	0		1	173	1	1.6	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.654071
52	1		112	230	0		1	160	0	0	1	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.358466
64	1		140	335	0		1	158	0	0	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.211874
59	1		170	288	0		0	159	0	0.2	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.399602
52	1		125	212	0		1	168	0	1	2	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.728055
59	1		160	273	0		0	125	0	0	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0.	.606419
60	0		150	240	0		1	171	0	0.9	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.029175
41	1		112	250	0		1	179	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.070202
41	1		110	235	0		1	153	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.144478
56	1		120	240	0		1	169	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.072494
56	1		120	236	0		1	178	0	0.8	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.072818
48	0		130	275	0		1	139	0	0.2	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.076584
39	1		140	321	0		0	182	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.237374
64	1		170	227	0		0	155	0	0.6	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.345643
57	1		140	192	0		1	148	0	0.4	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.176754
43	0		122	213	0		1	165	0	0.2	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.020169
59	1		138	271	0		0	182	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0.	.107036

		ļ			_					T						Ì			
age	sex			chol	fbs		stecg R	thalach esponse	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_:		lope_0		pe_1	slope			Value										nated Pro	
57	1		132	207	0		1	168	1	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0					1			1			.296312
57	1		130	131	0		1	115	1	1.2	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0					I					0.	.943267
48	1		124	274	0		0	166	0	0.5	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.219293
70	1		145	174	0		1	125	1	2.6	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0		·								0.	.825009
57	1		165	289	1		0	124	0	1	3	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.952789
57	1		110	201	0		1	126	1	1.5	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.698898
60	0		150	258	0		0	157	0	2.6	2	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.787906
63	0		150	407	0		0	154	0	4	3	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.899797
64	0		180	325	0		1	154	1	0	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.365665
54	1		110	239	0		1	126	1	2.8	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.971548
52	1		128	204	1		1	156	1	1	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.411584
51	1		140	299	0		1	173	1	1.6	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.654071
62	0		130	263	0		1	97	0	1.2	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0		l			<u> </u>			l	<u> </u>	0.	.683478
59	1		178	270	0		0	145	0	4.2	0	1	0	0	0	0	0	0	0
	0	0		0		0		0					<u> </u>			<u> </u>			.875513
52	1		134	201	0		1	158	0	0.8	1	1	0	0	0	0	0	0	0
	0	0	1	0		0	•	0		1 3.3		<u> </u>							.528677
42	0	T	102	265	0		0	122	0	0.6	0	1	0	0	0	0	0	0	0
	0	0		0		0		0											.145512
59	1	1	135	234	0	_	1	161	0	0.5	0	1	0	0	0	0	0	0	0
	0	0		0	0	0	'	0	U	0.5				U	U				.136497
				J		<u> </u>		U											. 15043/

																		2022 05.2	
age	sex	trest	ps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	sle	ppe_0	slop	pe_1	slope	_2	R	esponse Value									Estin	nated Pro	bability
61	1		134	234	0		1	145	0	2.6	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.932414
62	0		140	268	0		0	160	0	3.6	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.810707
59	1		126	218	1		1	134	0	2.2	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.720816
55	1		130	262	0		1	155	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.160977
64	1		120	246	0		0	96	1	2.2	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.991217
42	1		140	226	0		1	178	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.104078
50	0		120	244	0		1	162	0	1.1	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.032282
62	1		120	267	0		1	99	1	1.8	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.995905
58	0		136	319	1		0	152	0	0	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.520502
45	1		104	208	0		0	148	1	3	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.799255
66	1		112	212	0		0	132	1	0.1	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.881975
46	1		120	249	0		0	144	0	0.8	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.370979
65	1		135	254	0		0	127	0	2.8	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.927956
47	1		130	253	0		1	179	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.086393
59	1		134	204	0		1	162	0	0.8	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.740212
38	1		120	231	0		1	182	1	3.8	0	0	0	0	0	0	0	0	0
0		0		0		0		0											0.68827
39	1		118	219	0		1	140	0	1.2	0	0	0	0	0	0	0	0	0
0	Т	0		0		0		0		I						1		0	.343523

	2022 05.2																	
thal_2	thal_1	thal_0	cp_3	cp_2	cp_1	cp_0	target	ca	oldpeak	exang	thalach	estecg	bs re	chol	bps	tresti	sex	age
bability	nated Pro	Estin									esponse Value	R	ope_2	pe_1	slop	ope_0	3 sl	thal_3
0	0	0	0	0	0	0	0	1	2	0	105	1	0	218	146		1	58
.941787	0										0		0	0		0		(
0	0	0	0	0	0	0	1	0	1.2	0	160	1	0	239	140		1	54
.229509	0										0		0	0		0		(
0	0	0	0	0	0	0	0	0	0	0	169	0	0	330	130		0	61
.036518	0										0		0	0		0		(
0	0	0	0	0	0	0	0	1	1.2	1	115	1	0	131	130		1	57
.943267	0										0		0	0		0	ו	(
0	0	0	0	0	0	0	0	1	0	1	108	0	0	206	110		1	54
.957024	0										0		0	0		0	)	(
0	0	0	0	0	0	0	1	0	0.8	0	194	1	1	240	120		1	42
.042305	0										0		0	0		0		(
0	0	0	0	0	0	0	0	1	2.2	1	109	0	0	266	124		1	54
.991488	0										0		0	0		0		(
0	0	0	0	0	0	0	0	2	2.4	1	132	0	0	206	130		1	60
.991946	0										0		0	0		0		(
0	0	0	0	0	0	0	0	1	2.8	0	127	0	0	254	135		1	65
.927956	0										0		0	0		0		(
0	0	0	0	0	0	0	0	0	0	0	181	1	0	223	152		1	40
.121947	0										0		0	0		0		(
0	0	0	0	0	0	0	1	1	1.5	0	142	0	0	308	140		0	51
.620986	0										0		0	0		0		(
0	0	0	0	0	0	0	0	0	3.8	1	182	1	0	231	120		1	38
0.68827											0		0	0		0		(
0	0	0	0	0	0	0	1	0	0	0	150	1	0	180	130		1	42
.160769	0										0		0	0		0		(
0	0	0	0	0	0	0	1	0	0	0	169	1	0	240	120		1	56
.072494	0										0		0	0		0	)	(
0	0	0	0	0	0	0	1	1	1.9	0	162	1	0	315	130		1	43
.804108	0										0		0	0	Τ΄	0		(
0	0	0	0	0	0	0	0	0	0	0	158	1	0	335	140		1	64
.211874	0										0		0	0		0		(
0	0	0	0	0	0	0	1	0	0	0	162	1	0	271	134		0	49
.032576	0									1	0		0	0	Τ	0	)	(

		trestl	<b></b>	chol	fbs		stecg	thalach	avana	oldpeak		towast	- O	an 1	an 2	an 3	thal_0	thal_1	thal 3
age thal_:	sex 3 sl	ope_0		pe_1	slope			esponse Value	exang	Olupeak	са	target	cp_0	cp_1	cp_2	cp_3		nated Pro	thal_2
57	0		140	241	0		1	123	1	0.2	0	0	0	0	0	0	0	0	0
	0	0		0		0		0					<u> </u>					0	.369074
52	0		136	196	0		0	169	0	0.1	0	1	0	0	0	0	0	0	0
	0	0		0		0		0			I		I					0	.022896
69	0		140	239	0		1	151	0	1.8	2	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.543388
65	1		120	177	0		1	140	0	0.4	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.119608
66	0		178	228	1		1	165	1	1	2	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.792235
56	1		120	193	0		0	162	0	1.9	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.204909
67	0		152	277	0		1	172	0	0	1	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.109576
54	0		160	201	0	L	1	163	0	0	1	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.148989
70	1		145	174	0		1	125	1	2.6	0	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.825009
57	1		132	207	0		1	168	1	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0		1			1				1	0	.296312
67	1		160	286	0		0	108	1	1.5	3	0	0	0	0	0	0	0	0
	0	0		0		0		0					1					0	.995812
62	0		130	263	0		1	97	0	1.2	1	0	0	0	0	0	0	0	0
1	0	0		0	1	0		0			1		ī						.683478
54	0		135	304	1		1	170	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0					1						.017963
45	0		138	236	0		0	152	1	0.2	0	1	0	0	0	0	0	0	
1	0	0		0		0		0					I						.283866
62	1		130	231	0		1	146	0	1.8	3	1	0	0	0	0	0	0	0
	0	0		0		0		0					<u> </u>						.787884
49	0		130	269	0		1	163	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0					<u> </u>						.028614
50	1		140	233	0		1	163	0	0.6	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.560291

age	sex	tresti	ps	chol	fbs	re	stecg	thalach	exang	oldpeak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	3 sl	ope_0	sloj	pe_1	slope	_2	R	esponse Value									Estim	nated Pro	bability
65	0		140	417	1		0	157	0	0.8	1	1	0	0	0	0	0	0	0
C	)	0		0		0		0										0	.389298
69	0		140	239	0		1	151	0	1.8	2	1	0	0	0	0	0	0	0
С		0		0		0		0										0	.543388
58	0		100	248	0		0	122	0	1	0	1	0	0	0	0	0	0	0
С		0		0		0		0										0	.099234
52	1		108	233	1		1	147	0	0.1	3	1	0	0	0	0	0	0	0
С	)	0		0		0		0											0.48246
57	0		140	241	0		1	123	1	0.2	0	0	0	0	0	0	0	0	0
С		0		0		0		0										0	.369074
44	0		108	141	0		1	175	0	0.6	0	1	0	0	0	0	0	0	0
С		0		0		0		0										0	.007554
76	0		140	197	0		2	116	0	1.1	0	1	0	0	0	0	0	0	0
		0		0		0		0										0	.170681
58	1		128	259	0		0	130	1	3	2	0	0	0	0	0	0	0	0
С		0		0		0		0										0	.996057
53	1		140	203	1		0	155	1	3.1	0	0	0	0	0	0	0	0	0
С		0		0		0		0											0.77582
52	1		120	325	0		1	172	0	0.2	0	1	0	0	0	0	0	0	0
С		0		0		0		0										0	.132743
38	1		138	175	0		1	173	0	0	4	1	0	0	0	0	0	0	0
С		0		0		0		0										0	.066354
52	1		172	199	1	L	1	162	0	0.5	0	1	0	0	0	0	0	0	0
		0		0		0		0										0	.173097
52	1	-	118	186	0	L	0	190	0	0	0	1	0	0	0	0	0	0	0
C		0		0		0		0										0	.038864
43	1		110	211	0	L,	1	161	0	0	0	1	0	0	0	0	0	0	0
С		0		0		0		0											0.0919
39	1		118	219	0		1	140	0	1.2	0	0	0	0	0	0	0	0	0
C		0		0		0		0										0	.343523
63	0		108	269	0		1	169	1	1.8	2	0	0	0	0	0	0	0	0
С		0		0		0		0										0	.705206
44	1		110	197	0		0	177	0	0	1	0	0	0	0	0	0	0	0
C		0		0		0		0										0	.301955

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age	sex	trest	bps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	sl	ope_0	slo	pe_1	slope	_2		esponse Value									Estin	nated Pro	bability
45	1		142	309	0		0	147	1	0	3	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.977741
57	1		140	192	0		1	148	0	0.4	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.176754
39	1		118	219	0		1	140	0	1.2	0	0	0	0	0	0	0	0	0
0		0		0		0		0										0.	.343523
67	0		106	223	0		1	142	0	0.3	2	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.281709
64	1		128	263	0		1	105	1	0.2	1	1	0	0	0	0	0	0	0
0		0		0		0		0		_								0.	.967035
59	1		135	234	0		1	161	0	0.5	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.136497
62	1		130	231	0		1	146	0	1.8	3	1	0	0	0	0	0	0	0
0		0		0		0		0										0	.787884
55	0		180	327	0		2	117	1	3.4	0	0	0	0	0	0	0	0	0
0		0		0		0		0											0.96735
57	1		154	232	0		0	164	0	0	1	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.603977
60	1		140	293	0		0	170	0	1.2	2	0	0	0	0	0	0	0	0
0		0		0		0		0										0	.884637
71	0		160	302	0		1	162	0	0.4	2	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.482706
56	1		120	236	0		1	178	0	0.8	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.072818
50	0		110	254	0		0	159	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0										0.	.028554
43	1		132	247	1		0	143	1	0.1	4	0	0	0	0	0	0	0	0
0		0		0		0		0											0.58548
59	1		110	239	0		0	142	1	1.2	1	0	0	0	0	0	0	0	0
0		0		0		0		0											0.923
44	1		120	263	0		1	173	0	0	0	1	0	0	0	0	0	0	0
0		0		0		0		0											0.1002
56	0		134	409	0		0	150	1	1.9	2	0	0	0	0	0	0	0	0
0		0		0	1	0		0		1			1					0.	.976016

					_											Ī	1	2022 05.2	
age	sex			chol	fbs		stecg R	thalach esponse	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	3   S	lope_0		pe_1	slope	_2		Value		1			1			1		nated Pro	bability
54	1		120	188	0		1	113	0	1.4	1	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.830403
42	1		136	315	0		1	125	1	1.8	0	0	0	0	0	0	0	0	0
(	)	0		0		0		0					1					0.	.940542
67	1		125	254	1		1	163	0	0.2	2	0	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.560237
64	1		145	212	0		0	132	0	2	2	0	0	0	0	0	0	0	0
(	)	0		0		0		0		-			-				-	0	.961736
66	1		112	212	0		0	132	1	0.1	1	0	0	0	0	0	0	0	0
(	ו	0		0		0		0										0.	.881975
52	1		108	233	1		1	147	0	0.1	3	1	0	0	0	0	0	0	0
(	)	0		0		0		0										(	0.48246
51	0		140	308	0		0	142	0	1.5	1	1	0	0	0	0	0	0	0
(	)	0		0		0		0										0.	.620986
55	0		128	205	0		2	130	1	2	1	0	0	0	0	0	0	0	0
(	ו	0		0		0		0											0.8935
58	1		140	211	1		0	165	0	0	0	1	0	0	0	0	0	0	0
(	0	0		0		0		0										0	.094683
42	1		120	295	0		1	162	0	0	0	1	0	0	0	0	0	0	0
(	ס	0		0		0		0		,						,	,	0.	.179582
40	1		152	223	0		1	181	0	0	0	0	0	0	0	0	0	0	0
(	0	0		0		0		0										0.	.121947
51	1		140	299	0		1	173	1	1.6	0	0	0	0	0	0	0	0	0
(	ס	0		0		0		0										0.	.654071
58	1		114	318	0		2	140	0	4.4	3	0	0	0	0	0	0	0	0
(	0	0		0		0		0								<u> </u>		0.	.979349
44	0		108	141	0		1	175	0	0.6	0	1	0	0	0	0	0	0	0
(	ס	0		0		0		0		<u> </u>	<u> </u>		<u>I</u>			l	<u> </u>	0.	.007554
58	1		128	216	0		0	131	1	2.2	3	0	0	0	0	0	0	0	0
	0	0		0	1	0		0		<u> </u>			<u>I</u>		<u> </u>	l			.983053
47	1	Т	112	204	0		1	143	0	0.1	0	1	0	0	0	0	0	0	0
	0	0		0	1 -	0		0			<u> </u>								.153277
59	1	1	140	221	0		1	164	1	0	0	1	0	0	0	0	0	0	0
	) )	0		0		0		0	'			'							.374287

age	sex	x trest	bps	chol	fbs	res	tecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_:	3 5	slope_0	slo	pe_1	slope	_2	R	esponse Value									Estim	nated Pro	bability
60	1	1 125 258			0		0	141	1	2.8	1	0	0	0	0	0	0	0	0
	0	0 0				0		0										0	.974794
47	1	1	110 275 0 0				118	1	1	1	0	0	0	0	0	0	0	0	
	0	0	<del></del>															0	.979318
50	C	0	110	254	0		0	159	0	0	0	1	0	0	0	0	0	0	0
	0	0		0		0		0										0	.028554
54	1	1	120	188	0		1	113	0	1.4	1	0	0	0	0	0	0	0	0
	0	0		0		0		0										0	.830403

age	sex	trestb	ps	chol	fbs	re	stecg	thalach	exang	olc	lpeak	ca	tar	get	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
												edicto									
thal_3	3 sle	ope_0	slo	pe_1	slope	_2	From	: target	Into: tar	get		arget:						Predic	ted Prob	ability: t	arget=1
62	0		138	294	1		1	106	0		1.9	3		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0	.7667	98							0	.233202
52	1		128	204	1		1	156	1		1	0		0	0	0	0	0	0	0	0
(		0		0		0	0		1		0	.4115	84							0	.588416
50	0	-	120	244	0		1	162	0		1.1	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.0322	82							0	.967718
61	0		145	307	0		0	146	1		1	0		0	0	0	0	0	0	0	0
(		0		0		0	0		1		0	.4560	46							0	.543954
44	1		130	233	0		1	179	1		0.4	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1			0.359	16								0.64084
50	0		120	244	0		1	162	0		1.1	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.0322	82							0	.967718
57	1		130	131	0		1	115	1		1.2	1		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0	.9432	67							0	.056733
46	1		150	231	0		1	147	0		3.6	0		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0	.6744	63							0	.325537
59	1		138	271	0		0	182	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.1070	36							0	.892964
42	1	-	140	226	0		1	178	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.1040	78							0	.895922
55	1	-	140	217	0		1	111	1		5.6	0		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0	.9825	31							0	.017469
56	1		120	193	0		0	162	0		1.9	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.2049	09							0	.795091
48	1		130	245	0		0	180	0		0.2	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.1205	77							0	.879423
67	1		152	212	0		0	150	0		0.8	0		0	0	0	0	0	0	0	0
(	)	0		0		0	0		1		0	.2828	95							0	.717105
57	1		154	232	0		0	164	0		0	1		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0	.6039	77							0	.396023
29	1		130	204	0		0	202	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1			0.068	27								0.93173

				-11	0			Al I I						0	4	2	2	411-0	111.4	411-2
age	sex	trest	ops	chol	fbs	re	stecg	thalach	exang	OIG	peak	ca edicte	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	3 slo	ppe_0	slo	pe_1	slope	_2	From	: target	Into: tarç	get	Prob	pability arget=	y:				Predic	cted Prol	bability: t	arget=1
59	1		170	288	0		0	159	0		0.2	0	C	0	0	0	0	0	0	0
(		0		0		0	0		1		0.	.39960	)2						0	.600398
53	1		130	197	1		0	152	0		1.2	0	1	0	0	0	0	0	0	0
(		0		0		0	1		1		0.	.19719	95						0	.802805
62	0		160	164	0		0	145	0		6.2	3	C	0	0	0	0	0	0	0
C		0		0		0	0		0		0.	.89120	)4						0	.108796
63	1		140	187	0		0	144	1		4	2	C	0	0	0	0	0	0	0
C		0		0		0	0		0		0.	.99388	34						0	.006116
54	0		108	267	0		0	167	0		0	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0.	.02009	)3						0	.979907
62	0		124	209	0		1	163	0		0	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0.	.01177	<b>'</b> 4						0	.988226
65	1		110	248	0		0	158	0		0.6	2	C	0	0	0	0	0	0	0
C		0		0		0	0		0		0.	.75551	7						0	.244483
47	1		138	257	0		0	156	0		0	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0.	.28416	55						0	.715835
62	1		120	281	0		0	103	0		1.4	1	C	0	0	0	0	0	0	0
C		0		0		0	0		0		0.	.94025	58						0	.059742
44	1		110	197	0		0	177	0		0	1	C	0	0	0	0	0	0	0
C		0		0		0	0		1		0.	.30195	55						0	.698045
53	1		142	226	0		0	111	1		0	0	1	0	0	0	0	0	0	0
C		0		0		0	1		0		0.	.88780	)2						0	.112198
43	1		120	177	0		0	120	1		2.5	0	C	0	0	0	0	0	0	0
C		0		0		0	0		0			0.9137	'1							0.08629
42	1		120	295	0		1	162	0		0	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0.	.17958	32						0	.820418
65	0		140	417	1		0	157	0		0.8	1	1	0	0	0	0	0	0	0
Ċ	)	0		0		0	1		1		0.	.38929	8						0	.610702
66	1		120	302	0		0	151	0		0.4	0	1	0	0	0	0	0	0	0
Ċ		0		0		0	1		1		0.	.23559	3						0	.764407
58	0		170	225	1		0	146	1		2.8	2	C	0	0	0	0	0	0	0
(		0		0		0	0		0		0.	.96390	)3		-	_	_		0	.036097

age	sex	trestb	ps	chol	fbs	re	stecg	thalach	exang	oldį	peak	ca	targ	get	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
												edictorial desired in the contract of the cont									
thal_3	3 slo	ope_0	slop	pe_1	slope	_2	From	: target	Into: tarç	get		arget:						Predic	ted Prob	ability: t	arget=1
64	0		180	325	0		1	154	1		0	0		1	0	0	0	0	0	0	0
(	)	0		0		0	1		1		0	.3656	65							0	.634335
47	1		138	257	0		0	156	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.2841	65							0	.715835
34	1		118	182	0		0	174	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.1056	82							0	.894318
47	1		112	204	0		1	143	0	L,	0.1	0		1	0	0	0	0	0	0	0
(	)	0		0		0	1		1		0	.1532	77							0	.846723
51	0		120	295	0		0	157	0	L,	0.6	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1			0.061	52								0.93848
54	1		120	258	0		0	147	0	L,	0.4	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.2717	42							0	.728258
43	1		130	315	0		1	162	0		1.9	1		1	0	0	0	0	0	0	0
(		0		0		0	1		0		0	.8041	80							0	.195892
56	1		130	283	1		0	103	1	L,	1.6	0		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0	.9376	63							0	.062337
44	1		110	197	0		0	177	0	L,	0	1		0	0	0	0	0	0	0	0
(		0		0		0	0		1		0	.3019	55							0	.698045
57	1		165	289	1		0	124	0	L,	1	3		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0	.9527	89							0	.047211
63	1		130	254	0		0	147	0	L,	1.4	1		0	0	0	0	0	0	0	0
(		0		0		0	0		0			0.759	16								0.24084
56	1		130	221	0		0	163	0	L,	0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.1360	02							0	.863998
69	1		160	234	1		0	131	0	L,	0.1	1		1	0	0	0	0	0	0	0
(		0		0		0	1		0		0	.7400	97							0	.259903
50	1		144	200	0		0	126	1	L,	0.9	0		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0	.8673	73							0	.132627
66	0		146	278	0		0	152	0	L,	0	1		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.2583	42							0	.741658
41	1	-	112	250	0		1	179	0		0	0		1	0	0	0	0	0	0	0
(	)	0		0		0	1		1		0	.0702	02							0	.929798

age	sex	tresti	ops	chol	fbs	re	stecg	thalach	exang	olo	lpeak	ca	tar	get	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
									-			edict									
thal_3	3 slo	ope_0	slo	pe_1	slope	_2	From	: target	Into: tar	get		arget						Predic	cted Prob	ability: t	arget=1
51	1		140	261	0		0	186	1		0	0		1	0	0	0	0	0	0	0
		0		0		0	1		1		0	.3977	80							0	.602292
67	1		152	212	0		0	150	0		0.8	0		0	0	0	0	0	0	0	0
C	)	0		0		0	0		1		0	.2828	95							0	.717105
54	1		192	283	0		0	195	0		0	1		0	0	0	0	0	0	0	0
C	)	0		0		0	0		0		0	.6267	31							0	.373269
42	1		130	180	0		1	150	0		0	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.1607	69							0	.839231
55	1		132	353	0		1	132	1		1.2	1		0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.9780	42							0	.021958
57	1		165	289	1		0	124	0		1	3		0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.9527	89							0	.047211
35	1		120	198	0		1	130	1		1.6	0		0	0	0	0	0	0	0	0
C	)	0		0		0	0		0		0	.8264	16							0	.173584
58	0		170	225	1		0	146	1		2.8	2		0	0	0	0	0	0	0	0
C	)	0		0		0	0		0		0	.9639	03							0	.036097
39	0		138	220	0		1	152	0		0	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.0473	33							0	.952667
66	1		160	228	0		0	138	0		2.3	0		1	0	0	0	0	0	0	0
C	)	0		0		0	1		0		0	.6196	24							0	.380376
57	1		132	207	0		1	168	1		0	0		1	0	0	0	0	0	0	0
C	)	0		0		0	1		1		0	.2963	12							0	.703688
55	1		160	289	0		0	145	1		0.8	1		0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.9757	41							0	.024259
58	1		132	224	0		0	173	0		3.2	2		0	0	0	0	0	0	0	0
C		0		0		0	0		0			0.904	66								0.09534
64	0		140	313	0		1	133	0		0.2	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.0943	11							0	.905689
40	1		152	223	0		1	181	0		0	0		0	0	0	0	0	0	0	0
C		0		0		0	0		1		0	.1219	47							0	.878053
59	1		150	212	1		1	157	0		1.6	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.1886	71							0	.811329

age	sex	trestb	ps	chol	fbs	re	stecg	thalach	exang	olc	lpeak	ca	tar	get	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
												edicto									
thal_3	slo	ope_0	slo	pe_1	slope	_2	From	: target	Into: tar	get		arget:						Predic	cted Prob	ability: t	arget=1
67	1		100	299	0		0	125	1		0.9	2		0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.9851	68							0	.014832
48	0		130	275	0		1	139	0		0.2	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.0765	84							0	.923416
56	0		140	294	0		0	153	0		1.3	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.1197	06							0	.880294
54	0		110	214	0		1	158	0		1.6	0	_	1	0	0	0	0	0	0	0
C		0		0		0	1		1			0.027	74								0.97226
60	1		130	206	0		0	132	1		2.4	2		0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.9919	46							0	.008054
56	1		130	256	1		0	142	1		0.6	1		0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.9178	47							0	.082153
57	1		124	261	0		1	141	0		0.3	0		0	0	0	0	0	0	0	0
C		0		0		0	0		1		0	.2324	22							0	.767578
53	1		130	246	1		0	173	0		0	3		1	0	0	0	0	0	0	0
C		0		0		0	1		1			0.464	29								0.53571
43	0		132	341	1		0	136	1		3	0		0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.7584	02							0	.241598
54	0	-	110	214	0		1	158	0		1.6	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1			0.027	74								0.97226
58	1		120	284	0		0	160	0		1.8	0		0	0	0	0	0	0	0	0
C		0		0		0	0		1		0	.3169	74							0	.683026
66	1		160	228	0		0	138	0		2.3	0		1	0	0	0	0	0	0	0
C		0		0		0	1		0		0	.6196	24							0	.380376
63	1	_	145	233	1		0	150	0		2.3	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1			0.362	66								0.63734
66	0		146	278	0		0	152	0		0	1		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.2583	42							0	.741658
66	1		160	228	0		0	138	0		2.3	0		1	0	0	0	0	0	0	0
C		0		0		0	1		0		0	.6196	24							0	.380376
71	0		112	149	0		1	125	0		1.6	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.0377	21							0	.962279

age	sex	trestb	ps	chol	fbs	re	stecg	thalach	exang	olc	lpeak	ca	tar	rget	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
												edict									
thal_3	slo	ppe_0	slop	pe_1	slope	_2	From	: target	Into: tar	get		arget						Predic	ted Prob	ability: t	arget=1
70	1		156	245	0		0	143	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.3071	69							0	.692831
56	1		130	256	1		0	142	1		0.6	1		0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.9178	47							0	.082153
46	0		138	243	0		0	152	1		0	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1			0.269	61								0.73039
41	0		105	198	0		1	168	0		0	1		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.0615	86							0	.938414
57	0		128	303	0		0	159	0		0	1		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.2211	25							0	.778875
42	0	_	102	265	0		0	122	0		0.6	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.1455	12							0	.854488
57	1		150	168	0		1	174	0		1.6	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.1300	79							0	.869921
47	1		108	243	0		1	152	0		0	0		0	0	0	0	0	0	0	0
C		0		0		0	0		1		0	.1299	29							0	.870071
57	1		150	168	0		1	174	0		1.6	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.1300	79							0	.869921
52	1	-	128	205	1		1	184	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.0301	27							0	.969873
53	1		130	246	1		0	173	0		0	3		1	0	0	0	0	0	0	0
(		0		0		0	1		1			0.464	29								0.53571
49	0		134	271	0		1	162	0		0	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.0325	76							0	.967424
69	1		160	234	1		0	131	0		0.1	1		1	0	0	0	0	0	0	0
C		0		0		0	1		0		0	.7400	97							0	.259903
48	1		124	255	1		1	175	0		0	2		1	0	0	0	0	0	0	0
C	)	0		0		0	1		0			0.560	82								0.43918
64	0		140	313	0		1	133	0		0.2	0		1	0	0	0	0	0	0	0
C	)	0		0		0	1		1		0	.0943	11							0	.905689
58	0		130	197	0		1	131	0		0.6	0		1	0	0	0	0	0	0	0
C		0		0		0	1		1			0.055	54								0.94446

age	sex	trest	ps	chol	fbs	re	stecg	thalach	exang	oldp	eak	ca	targe	ср	_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
			'									edicte									
thal_3	3 slo	ope_0	slop	oe_1	slope	_2	From	: target	Into: tarç	get		arget:						Predic	cted Prob	ability: t	arget=1
57	1		128	229	0		0	150	0		0.4	1	(		0	0	0	0	0	0	0
(		0		0		0	0		0		0.	.6338 <sup>-</sup>	15							0	.366185
51	0		130	305	0		1	142	1		1.2	0	(		0	0	0	0	0	0	0
(		0		0		0	0		1		0.	.40563	39							0	.594361
63	0		150	407	0		0	154	0		4	3	(		0	0	0	0	0	0	0
(		0		0		0	0		0		0.	.89979	97							0	.100203
51	1		140	298	0		1	122	1		4.2	3	(	)	0	0	0	0	0	0	0
(	)	0		0		0	0		0		(	0.9972	26								0.00274
35	1		122	192	0		1	174	0	<u> </u>	0	0			0	0	0	0	0	0	0
(		0		0		0	1		1		0.	.0821	43							0	.917857
65	1		135	254	0		0	127	0		2.8	1	(	)	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0.	.9279	56							0	.072044
57	1		150	168	0		1	174	0		1.6	0			0	0	0	0	0	0	0
(	)	0		0		0	1		1		0.	.1300	79							0	.869921
55	1		132	353	0		1	132	1		1.2	1	(		0	0	0	0	0	0	0
(	)	0		0		0	0		0		0.	.9780	12							0	.021958
57	1		154	232	0		0	164	0		0	1	(		0	0	0	0	0	0	0
(		0		0		0	0		0		0.	.6039	77							0	.396023
35	0		138	183	0		1	182	0		1.4	0	-		0	0	0	0	0	0	0
(		0		0		0	1		1		0.	.0265	31							0	.973469
56	0		200	288	1		0	133	1		4	2	(		0	0	0	0	0	0	0
(		0		0		0	0		0		0.	.9955	58							0	.004442
54	0		132	288	1		0	159	1		0	1			0	0	0	0	0	0	0
(		0		0		0	1		0		0.	.50946	55							0	.490535
44	1		112	290	0		0	153	0		0	1	(		0	0	0	0	0	0	0
(		0		0		0	0		0		0.	.67054	45							0	.329455
44	1		120	220	0		1	170	0		0	0			0	0	0	0	0	0	0
(	)	0		0		0	1		1		0.	.0849	16							0	.915084
49	1		120	188	0		1	139	0		2	3	(	)	0	0	0	0	0	0	0
(		0		0		0	0		0		0.	.82188	31							0	.178119
61	1		148	203	0		1	161	0		0	1	(	)	0	0	0	0	0	0	0
(		0		0		0	0		1		0.	.4240	15							0	.575985

age	sex	trest	ps	chol	fbs	re	stecg	thalach	exang	olo	lpeak	ca	tar	get	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
												edict									
thal_3	3 slo	ppe_0	slo	pe_1	slope	_2	From	: target	Into: tar	get		arget						Predic	ted Prob	ability: t	arget=1
54	0		108	267	0		0	167	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.0200	93							0	.979907
62	0		140	394	0		0	157	0		1.2	0		1	0	0	0	0	0	0	0
(	)	0		0		0	1		1		0	.1571	62							0	.842838
67	0		106	223	0		1	142	0		0.3	2		1	0	0	0	0	0	0	0
(	)	0		0		0	1		1		0	.2817	09							0	.718291
68	1		118	277	0		1	151	0		1	1		1	0	0	0	0	0	0	0
(	)	0		0		0	1		0		0	.5455	76							0	.454424
44	1		112	290	0		0	153	0		0	1		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0	.6705	45							0	.329455
52	1	_	152	298	1		1	178	0		1.2	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.1709	38							0	.829062
58	1		120	284	0		0	160	0		1.8	0		0	0	0	0	0	0	0	0
(		0		0		0	0		1		0	.3169	74							0	.683026
62	0		130	263	0		1	97	0		1.2	1		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0	.6834	78							0	.316522
63	0		140	195	0		1	179	0		0	2		1	0	0	0	0	0	0	0
(		0		0		0	1		1			0.143	68								0.85632
49	1	-	130	266	0		1	171	0		0.6	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1			0.146	11								0.85389
65	1		110	248	0		0	158	0		0.6	2		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0	.7555	17							0	.244483
57	1		152	274	0		1	88	1		1.2	1		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0	.9946	59							0	.005341
61	1		134	234	0		1	145	0		2.6	2		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0	.9324	14							0	.067586
58	1		132	224	0		0	173	0		3.2	2		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0			0.904	66								0.09534
49	1		130	266	0		1	171	0		0.6	0		1	0	0	0	0	0	0	0
(	)	0		0		0	1		1			0.146	11								0.85389
52	1		125	212	0		1	168	0		1	2		0	0	0	0	0	0	0	0
		0		0		0	0		0		0	.7280	55							0	.271945

age	sex	trest	pps	chol	fbs	re	stecg	thalach	exang	oldpeak	ca	targe	t cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
											redict obabili					,			
thal_:	3 sl	ope_0	slop	pe_1	slope	_2	From	: target	Into: tarç		target					Predic	ted Prob	ability: t	arget=1
66	0		150	226	0		1	114	0	2.6	0		1 0	0	0	0	0	0	0
	)	0		0		0	1		1		0.2836	72						0	.716328
57	0		130	236	0		0	174	0	С	1		0	0	0	0	0	0	0
	)	0		0		0	0		1		0.0980	35						0	.901965
58	1	_	114	318	0		2	140	0	4.4	3		0	0	0	0	0	0	0
	)	0		0		0	0		0		0.9793	49						0	.020651
47	1		112	204	0		1	143	0	0.1	0		1 0	0	0	0	0	0	0
	)	0		0		0	1		1		0.1532	77						0	.846723
58	0		100	248	0		0	122	0	1	0		1 0	0	0	0	0	0	0
	0	0		0		0	1		1		0.0992	34						0	.900766
65	0		140	417	1		0	157	0	0.8	1		1 0	0	0	0	0	0	0
	0	0		0		0	1		1		0.3892	.98						0	.610702
29	1		130	204	0		0	202	0	C	0		1 0	0	0	0	0	0	0
	0	0		0		0	1		1		0.068	27		-					0.93173
52	1		125	212	0		1	168	0	1	2		0	0	0	0	0	0	0
(	)	0		0		0	0		0		0.7280	55						0	.271945
54	1		120	258	0		0	147	0	0.4	0		1 0	0	0	0	0	0	0
	0	0		0		0	1		1		0.2717	42						0	.728258
63	1		130	330	1		0	132	1	1.8	3		0	0	0	0	0	0	0
	0	0		0		0	0		0		0.9836	37						0	.016363
68	1		180	274	1		0	150	1	1.6	0		0	0	0	0	0	0	0
	)	0		0		0	0		0		0.837	17		-					0.16283
42	1		120	295	0		1	162	0	С	0		1 0	0	0	0	0	0	0
	0	0		0		0	1		1		0.1795	82						0	.820418
43	1		120	177	0		0	120	1	2.5	0		0	0	0	0	0	0	0
	0	0		0		0	0		0		0.913	71							0.08629
60	1		140	185	0		0	155	0	3	0		0	0	0	0	0	0	0
	ס	0		0		0	0		1		0.4120	68						0	.587932
52	1		128	204	1		1	156	1	1	0		0	0	0	0	0	0	0
	ס	0		0		0	0		1		0.4115	84						0	.588416
58	1		125	300	0		0	171	0	C	2		0 0	0	0	0	0	0	0
	ס	0		0		0	0		0		0.7774	79						0	.222521

age	sex	trestt	ps	chol	fbs	re	stecg	thalach	exang	oldp	eak	ca	targ	et	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
												edicte									
thal_3	3 slo	ope_0	slop	oe_1	slope	_2	From	: target	Into: targ	get		arget:						Predic	ted Prob	ability: t	arget=1
39	1		118	219	0		1	140	0		1.2	0		0	0	0	0	0	0	0	0
(		0		0		0	0		1		0.	.3435	23							0	.656477
41	1		130	214	0		0	168	0		2	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0.	.3212	16							0	.678784
45	1		110	264	0		1	132	0		1.2	0		0	0	0	0	0	0	0	0
(	)	0		0		0	0		1		0.	.4037	93							0	.596207
56	1		130	221	0		0	163	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0.	.1360	02							0	.863998
56	1		130	256	1		0	142	1		0.6	1		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0.	.9178	47							0	.082153
64	1		140	335	0		1	158	0		0	0		0	0	0	0	0	0	0	0
(		0		0		0	0		1		0.	.2118	74							0	.788126
46	1		140	311	0		1	120	1		1.8	2		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0.	.9972	77							0	.002723
44	1		120	220	0		1	170	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0.	.0849	16							0	.915084
51	1		94	227	0		1	154	1		0	1		1	0	0	0	0	0	0	0
(		0		0		0	1		0		0.	.7145	54							0	.285446
50	1		129	196	0		1	163	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0.	.0937	72							0	.906228
52	1		128	255	0		1	161	1		0	1		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0.	.8227	42							0	.177258
51	1	_	100	222	0		1	143	1		1.2	0		1	0	0	0	0	0	0	0
(		0		0		0	1		0		0.	.5478	14							0	.452186
64	1		140	335	0		1	158	0	L,	0	0		0	0	0	0	0	0	0	0
(		0		0		0	0		1		0.	.2118	74							0	.788126
55	1		130	262	0		1	155	0		0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1	$\perp$	0.	.1609	77							0	.839023
63	1		140	187	0		0	144	1	L,	4	2		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0	$\perp$	0.	.9938	84							0	.006116
45	0	-	138	236	0		0	152	1		0.2	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0.	.2838	66							0	.716134

age	sex	trestb	ps	chol	fbs	re	stecg	thalach	exang	oldp	oeak	ca	targ	et	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
												edictorial desired to the contract of the cont									
thal_3	3 slo	ope_0	slop	oe_1	slope	_2	From	: target	Into: tarç	get		arget:						Predic	cted Prob	ability: t	arget=1
65	0		150	225	0		0	114	0		1	3		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0			0.733	17								0.26683
48	0		130	275	0		1	139	0	L,	0.2	0		1	0	0	0	0	0	0	0
(	)	0		0		0	1		1		0	.0765	84							0	.923416
53	1		123	282	0		1	95	1	L,	2	2		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0	.9978	76							0	.002124
59	1		134	204	0		1	162	0		8.0	2		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0	.7402	12							0	.259788
56	1		120	240	0		1	169	0	L,	0	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.0724	94							0	.927506
55	1		160	289	0		0	145	1	L,	8.0	1		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0	.9757	41							0	.024259
67	1		125	254	1		1	163	0		0.2	2		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0	.5602	37							0	.439763
61	1		134	234	0		1	145	0	L,	2.6	2		0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0	.9324	14							0	.067586
62	1		128	208	1		0	140	0		0	0		1	0	0	0	0	0	0	0
(	)	0		0		0	1		1		0	.1503	74							0	.849626
41	1		135	203	0		1	132	0	L,	0	0		1	0	0	0	0	0	0	0
(	)	0		0		0	1		1		0	.3303	96							0	.669604
57	1		124	261	0		1	141	0		0.3	0		0	0	0	0	0	0	0	0
(	)	0		0		0	0		1		0	.2324	22							0	.767578
62	1		128	208	1		0	140	0	L,	0	0		1	0	0	0	0	0	0	0
(	)	0		0		0	1		1		0	.1503	74							0	.849626
51	1		125	213	0		0	125	1	L,	1.4	1		1	0	0	0	0	0	0	0
(	)	0		0		0	1		0			0.972	37								0.02763
70	1		145	174	0		1	125	1		2.6	0		0	0	0	0	0	0	0	0
(	ו	0		0		0	0		0		0	.8250	09							0	.174991
35	0		138	183	0		1	182	0		1.4	0		1	0	0	0	0	0	0	0
(		0		0		0	1		1		0	.0265	31							0	.973469
59	1		160	273	0		0	125	0		0	0		0	0	0	0	0	0	0	0
(		0		0		0	0		0		0	.6064	19							0	.393581

age	sex	trestb	pps	chol	fbs	re	stecg	thalach	exang	oldpe	ak	са	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
												dicte								
thal_:	3 sl	ope_0	slop	oe_1	slope	_2	From	: target	Into: tarç			rget=					Predic	ted Prob	ability: t	arget=1
60	1		140	293	0		0	170	0		1.2	2	0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		3.0	38463	37						0	.115363
68	0		120	211	0		0	115	0		1.5	0	1	0	0	0	0	0	0	0
(	ו	0		0		0	1		1		0.1	13654	17						0	.863453
43	1		115	303	0		1	181	0		1.2	0	1	0	0	0	0	0	0	0
(	)	0		0		0	1		1		0.1	14793	31						0	.852069
59	1		160	273	0		0	125	0		0	0	0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0.6	50641	9						0	.393581
60	1		130	206	0		0	132	1	2	2.4	2	0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0.9	99194	16						0	.008054
61	1	_	140	207	0		0	138	1		1.9	1	0	0	0	0	0	0	0	0
(		0		0		0	0		0		0.9	96437	'2						0	.035628
54	1		120	188	0		1	113	0		1.4	1	0	0	0	0	0	0	0	0
(	)	0		0		0	0		0		0.8	33040	)3						0	.169597
57	1		154	232	0		0	164	0		0	1	0	0	0	0	0	0	0	0
(		0		0		0	0		0		0.6	50397	77						0	.396023
61	1		120	260	0		1	140	1	3	3.6	1	0	0	0	0	0	0	0	0
(		0		0		0	0		0		0.9	97156	58						0	.028432
55	0		128	205	0		2	130	1		2	1	0	0	0	0	0	0	0	0
(	)	0		0		0	0		0			0.893	35							0.1065
42	0		102	265	0		0	122	0	(	0.6	0	1	0	0	0	0	0	0	0
(		0		0		0	1		1		0.1	14551	2						0	.854488
50	1		144	200	0		0	126	1	(	0.9	0	0	0	0	0	0	0	0	0
(		0		0		0	0		0		0.8	36737	73						0	.132627
50	1	-	140	233	0		1	163	0	(	0.6	1	0	0	0	0	0	0	0	0
(		0		0		0	0		0		0.5	56029	)1						0	.439709
35	1		120	198	0		1	130	1		1.6	0	0	0	0	0	0	0	0	0
(	ו	0		0		0	0		0		0.8	32641	6						0	.173584
44	1	-	120	263	0		1	173	0		0	0	1	0	0	0	0	0	0	0
		0		0		0	1		1			0.100	)2							0.8998
53	1		142	226	0		0	111	1		0	0	1	0	0	0	0	0	0	0
(		0		0		0	1		0		0.8	38780	)2						0	.112198

																				25.02 PIVI
age	sex	trest	ps	chol	fbs	re	stecg	thalach	exang	old	peak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slo	ppe_0	sloj	pe_1	slope	_2	From	: target	Into: tar	get	Pro	edicte bability arget=	y:	-			Predic	cted Prol	pability: ta	arget=1
53	0		130	264	0		0	143	0		0.4	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.08606	59						0	.913931
52	0		136	196	0		0	169	0		0.1	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.02289	96						0	.977104
60	0		120	178	1		1	96	0		0	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.06647	72				<u> </u>		0	.933528
51	1		125	245	1		0	166	0		2.4	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.25052	27						0	.749473
52	1		128	205	1		1	184	0		0	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.03012	27						0	.969873
60	1		117	230	1		1	160	1		1.4	2	0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.91769	98						0	.082302
42	1		140	226	0		1	178	0		0	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.10407	78						0	.895922
56	1		120	193	0		0	162	0		1.9	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.20490	)9						0	.795091
45	1		128	308	0		0	170	0		0	0	1	0	0	0	0	0	0	0
C		0		0		0	1		1		0	.22434	11						0	.775659
48	1		110	229	0		1	168	0		1	0	0	0	0	0	0	0	0	0
C		0		0		0	0		1		0	.10747	78						0	.892522
65	1		138	282	1		0	174	0		1.4	1	0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.51077	72						0	.489228
53	1		123	282	0		1	95	1		2	2	0	0	0	0	0	0	0	0
C		0		0		0	0		0		0	.99787	76						0	.002124
41	1		110	172	0		0	158	0		0	0	0	0	0	0	0	0	0	0
C		0		0		0	0		1		0	.12050	)1						0	.879499

	Directory
Libref	WORK
Engine	V9
Physical Name	/saswork/SAS_workDF660000D641_odaws02-apse1-2.oda.sas.com/SAS_work6FF80000D641_odaws02-apse1-2.oda.sas.com
Filename	/saswork/SAS_workDF660000D641_odaws02-apse1-2.oda.sas.com/SAS_work6FF80000D641_odaws02-apse1-2.oda.sas.com
Inode Number	67116673
Access Permission	rwx
Owner Name	u62513277
File Size	4KB
File Size (bytes)	4096

#	Name	Member Type	File Size	Last Modified
1	IMPORT	DATA	384KB	11/29/2022 11:55:53
2	IMPORT_PREDICTIONS	DATA	256KB	11/29/2022 11:55:59
3	IMPORT_SELECT	DATA	384KB	11/29/2022 11:55:53
4	IMPORT_TEST	DATA	256KB	11/29/2022 11:55:53
5	IMPORT_TRAIN	DATA	384KB	11/29/2022 11:55:53
6	IMPORT_TRAIN_LRMODEL	DATA	256KB	11/29/2022 11:55:54
7	IMPORT_TRAIN_LRMODEL_OUTPUT	DATA	384KB	11/29/2022 11:55:54