age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0
41	0	130	204	0	0	172	0	1.4	0	.	0	1	0	0	0
57	0	120	354	0	1	163	1	0.6	0	.	1	0	0	0	0
57	1	140	192	0	1	148	0	0.4	0	.	1	0	0	0	0
58	0	150	283	1	0	162	0	1	0	.	0	0	0	1	0
51	1	110	175	0	1	123	0	0.6	0	.	0	0	1	0	0
41	0	105	198	0	1	168	0	0	1	.	0	1	0	0	0
65	1	120	177	0	1	140	0	0.4	0	.	1	0	0	0	0
51	1	125	213	0	0	125	1	1.4	1	.	0	0	0	1	0
44	1	140	235	0	0	180	0	0	0	.	0	0	1	0	0
66	1	120	302	0	0	151	0	0.4	0	.	1	0	0	0	0
41	1	135	203	0	1	132	0	0	0	.	0	1	0	0	0
62	0	124	209	0	1	163	0	0	0	.	1	0	0	0	0
45	1	128	308	0	0	170	0	0	0	.	0	1	0	0	0
67	0	115	564	0	0	160	0	1.6	0	.	0	0	1	0	0
68	1	118	277	0	1	151	0	1	1	.	0	0	1	0	0
54	0	110	214	0	1	158	0	1.6	0	.	0	0	1	0	0
54	0	132	288	1	0	159	1	0	1	.	0	1	0	0	0
53	1	142	226	0	0	111	1	0	0	.	1	0	0	0	0
62	0	140	394	0	0	157	0	1.2	0	.	1	0	0	0	0
53	1	130	246	1	0	173	0	0	3	.	0	0	1	0	0
59	1	178	270	0	0	145	0	4.2	0	.	0	0	0	1	0
57	1	150	126	1	1	173	0	0.2	1	.	0	0	1	0	0
64	0	130	303	0	1	122	0	2	2	.	1	0	0	0	0
59	1	138	271	0	0	182	0	0	0	.	1	0	0	0	0
67	0	152	277	0	1	172	0	0	1	.	0	0	1	0	0
51	0	120	295	0	0	157	0	0.6	0	.	0	0	1	0	0
76	0	140	197	0	2	116	0	1.1	0	.	0	0	1	0	0
66	1	160	228	0	0	138	0	2.3	0	.	1	0	0	0	0
64	1	170	227	0	0	155	0	0.6	0	.	0	0	0	1	0
56	1	130	256	1	0	142	1	0.6	1	.	0	0	1	0	0
60	1	117	230	1	1	160	1	1.4	2	.	1	0	0	0	0
64	1	140	335	0	1	158	0	0	0	.	0	0	1	0	0
60	1	130	253	0	1	144	1	1.4	1	.	1	0	0	0	0
54	1	120	188	0	1	113	0	1.4	1	.	1	0	0	0	0
60	1	145	282	0	0	142	1	2.8	2	.	1	0	0	0	0
46	1	150	231	0	1	147	0	3.6	0	.	0	0	1	0	0
67	1	125	254	1	1	163	0	0.2	2	.	1	0	0	0	0
68	1	180	274	1	0	150	1	1.6	0	.	0	0	1	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	1	0	0	0	1		1	0.0268942	0.9731058
0	1	0	0	0	1		1	0.0317161	0.9682839
1	0	0	0	1	0		0	0.5145402	0.4854598
0	1	0	0	0	1		1	0.0049951	0.9950049
0	1	0	0	0	1		1	0.0146397	0.9853603
0	1	0	0	0	1		1	0.0147815	0.9852185
0	0	1	0	0	1		1	0.4128912	0.5871088
0	1	0	0	0	1		0	0.60626	0.39374
0	1	0	0	0	1		1	0.0243286	0.9756714
0	1	0	0	1	0		0	0.5208929	0.4791071
1	0	0	0	1	0		1	0.348096	0.651904
0	1	0	0	0	1		1	0.0094161	0.9905839
0	1	0	0	0	1		1	0.0972144	0.9027856
0	0	1	0	1	0		1	0.2534774	0.7465226
0	0	1	0	0	1		1	0.3678306	0.6321694
0	1	0	0	1	0		1	0.0042733	0.9957267
0	1	0	0	0	1		1	0.0901427	0.9098573
0	0	1	0	0	1		0	0.9617258	0.0382742
0	1	0	0	1	0		1	0.4199196	0.5800804
0	1	0	0	0	1		1	0.0428551	0.9571449
0	0	1	1	0	0		0	0.971559	0.028441
0	0	1	0	0	1		1	0.1214443	0.8785557
0	1	0	0	1	0		0	0.9554104	0.0445896
0	1	0	0	0	1		1	0.1823012	0.8176988
0	1	0	0	0	1		1	0.0148245	0.9851755
0	1	0	0	0	1		1	0.0066572	0.9933428
0	1	0	0	1	0		0	0.9985757	0.0014243
1	0	0	0	0	1		0	0.898962	0.101038
0	0	1	0	1	0		0	0.7115499	0.2884501
1	0	0	0	1	0		0	0.6086322	0.3913678
0	0	1	0	0	1		0	0.9465093	0.0534907
0	1	0	0	0	1		1	0.0143774	0.9856226
0	0	1	0	0	1		0	0.9634374	0.0365626
0	0	1	0	1	0		0	0.9879099	0.0120901
0	0	1	0	1	0		0	0.9998308	0.0001692
0	1	0	0	1	0		1	0.3257464	0.6742536
0	0	1	0	1	0		0	0.9537219	0.0462781
0	0	1	0	1	0		0	0.8112912	0.1887088

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0
62	0	160	164	0	0	145	0	6.2	3	.	1	0	0	0	0
61	1	120	260	0	1	140	1	3.6	1	.	1	0	0	0	0
39	1	118	219	0	1	140	0	1.2	0	.	1	0	0	0	0
56	1	125	249	1	0	144	1	1.2	1	.	1	0	0	0	0
62	0	130	263	0	1	97	0	1.2	1	.	0	0	1	0	0
48	1	130	256	1	0	150	1	0	2	.	1	0	0	0	0
65	1	138	282	1	0	174	0	1.4	1	.	0	0	0	1	0
70	1	145	174	0	1	125	1	2.6	0	.	1	0	0	0	0
59	0	174	249	0	1	143	1	0	0	.	1	0	0	0	0
56	1	132	184	0	0	105	1	2.1	1	.	1	0	0	0	0
66	1	160	246	0	1	120	1	0	3	.	0	1	0	0	0
54	1	192	283	0	0	195	0	0	1	.	0	1	0	0	0
62	0	138	294	1	1	106	0	1.9	3	.	1	0	0	0	0
38	1	120	231	0	1	182	1	3.8	0	.	0	0	0	1	0
52	1	112	230	0	1	160	0	0	1	.	1	0	0	0	0
56	1	130	283	1	0	103	1	1.6	0	.	1	0	0	0	0
61	1	134	234	0	1	145	0	2.6	2	.	0	0	0	1	0
58	1	100	234	0	1	156	0	0.1	1	.	1	0	0	0	0
58	1	146	218	0	1	105	0	2	1	.	1	0	0	0	0
57	1	124	261	0	1	141	0	0.3	0	.	0	1	0	0	0
42	1	136	315	0	1	125	1	1.8	0	.	1	0	0	0	0
58	1	114	318	0	2	140	0	4.4	3	.	1	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	1	1	0	0		0	0.9979992	0.0020008
0	0	1	0	1	0		0	0.9944992	0.0055008
0	0	1	0	1	0		0	0.8444333	0.1555667
0	1	0	0	1	0		0	0.9091677	0.0908323
0	0	1	0	1	0		0	0.7439248	0.2560752
0	0	1	0	0	1		0	0.9891791	0.0108209
0	1	0	0	1	0		1	0.2374622	0.7625378
0	0	1	1	0	0		0	0.9680242	0.0319758
0	1	0	0	1	0		1	0.3549033	0.6450967
1	0	0	0	1	0		0	0.9968025	0.0031975
1	0	0	0	1	0		0	0.9341385	0.0658615
0	0	1	0	0	1		0	0.9507879	0.0492121
0	1	0	0	1	0		0	0.6953053	0.3046947
0	0	1	0	1	0		1	0.404049	0.595951
0	1	0	0	0	1		1	0.296711	0.703289
0	0	1	1	0	0		0	0.9808121	0.0191879
0	1	0	0	1	0		0	0.8477202	0.1522798
0	0	1	0	0	1		0	0.6755234	0.3244766
0	0	1	0	1	0		0	0.9972828	0.0027172
0	0	1	0	0	1		1	0.2697035	0.7302965
1	0	0	0	1	0		0	0.9274432	0.0725568
1	0	0	1	0	0		0	0.9999993	7.345E-7

The CORR Procedure

| **11 Variables:** | age | sex | trestbps chol | fbs | restecg thalach exang | oldpeak ca | target |

Simple Statistics						
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**
age	303	54.36634	9.08210	16473	29.00000	77.00000
sex	303	0.68317	0.46601	207.00000	0	1.00000
trestbps	303	131.62376	17.53814	39882	94.00000	200.00000
chol	303	246.26403	51.83075	74618	126.00000	564.00000
fbs	303	0.14851	0.35620	45.00000	0	1.00000
restecg	303	0.52805	0.52586	160.00000	0	2.00000
thalach	303	149.64686	22.90516	45343	71.00000	202.00000
exang	303	0.32673	0.46979	99.00000	0	1.00000
oldpeak	303	1.03960	1.16108	315.00000	0	6.20000
ca	303	0.72937	1.02261	221.00000	0	4.00000
target	303	0.54455	0.49883	165.00000	0	1.00000

Pearson Correlation Coefficients, N = 303 Prob > |r| under H0: Rho=0										
	age	**sex**	**trestbps**	**chol**	**fbs**	**restecg**	**thalach**	**exang**	**oldpeak**	**ca**	**target**
age	1.00000	-0.09845 0.0871	0.27935 <.0001	0.21368 0.0002	0.12131 0.0348	-0.11621 0.0432	-0.39852 <.0001	0.09680 0.0926	0.21001 0.0002	0.27633 <.0001	-0.22544 <.0001
sex	-0.09845 0.0871	1.00000	-0.05677 0.3247	-0.19791 0.0005	0.04503 0.4348	-0.05820 0.3126	-0.04402 0.4452	0.14166 0.0136	0.09609 0.0950	0.11826 0.0397	-0.28094 <.0001
trestbps	0.27935 <.0001	-0.05677 0.3247	1.00000	0.12317 0.0321	0.17753 0.0019	-0.11410 0.0472	-0.04670 0.4180	0.06762 0.2406	0.19322 0.0007	0.10139 0.0780	-0.14493 0.0115
chol	0.21368 0.0002	-0.19791 0.0005	0.12317 0.0321	1.00000	0.01329 0.8177	-0.15104 0.0085	-0.00994 0.8632	0.06702 0.2448	0.05395 0.3493	0.07051 0.2210	-0.08524 0.1388
fbs	0.12131 0.0348	0.04503 0.4348	0.17753 0.0019	0.01329 0.8177	1.00000	-0.08419 0.1437	-0.00857 0.8819	0.02567 0.6563	0.00575 0.9206	0.13798 0.0162	-0.02805 0.6268
restecg	-0.11621 0.0432	-0.05820 0.3126	-0.11410 0.0472	-0.15104 0.0085	-0.08419 0.1437	1.00000	0.04412 0.4441	-0.07073 0.2196	-0.05877 0.3079	-0.07204 0.2111	0.13723 0.0168
thalach	-0.39852 <.0001	-0.04402 0.4452	-0.04670 0.4180	-0.00994 0.8632	-0.00857 0.8819	0.04412 0.4441	1.00000	-0.37881 <.0001	-0.34419 <.0001	-0.21318 0.0002	0.42174 <.0001
exang	0.09680 0.0926	0.14166 0.0136	0.06762 0.2406	0.06702 0.2448	0.02567 0.6563	-0.07073 0.2196	-0.37881 <.0001	1.00000	0.28822 <.0001	0.11574 0.0441	-0.43676 <.0001
oldpeak	0.21001 0.0002	0.09609 0.0950	0.19322 0.0007	0.05395 0.3493	0.00575 0.9206	-0.05877 0.3079	-0.34419 <.0001	0.28822 <.0001	1.00000	0.22268 <.0001	-0.43070 <.0001
ca	0.27633 <.0001	0.11826 0.0397	0.10139 0.0780	0.07051 0.2210	0.13798 0.0162	-0.07204 0.2111	-0.21318 0.0002	0.11574 0.0441	0.22268 <.0001	1.00000	-0.39172 <.0001
target	-0.22544 <.0001	-0.28094 <.0001	-0.14493 0.0115	-0.08524 0.1388	-0.02805 0.6268	0.13723 0.0168	0.42174 <.0001	-0.43676 <.0001	-0.43070 <.0001	-0.39172 <.0001	1.00000

The CORR Procedure

11 Variables:	age sex trestbps chol fbs restecg thalach exang oldpeak ca target

Simple Statistics						
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**
age	303	54.36634	9.08210	16473	29.00000	77.00000
sex	303	0.68317	0.46601	207.00000	0	1.00000
trestbps	303	131.62376	17.53814	39882	94.00000	200.00000
chol	303	246.26403	51.83075	74618	126.00000	564.00000
fbs	303	0.14851	0.35620	45.00000	0	1.00000
restecg	303	0.52805	0.52586	160.00000	0	2.00000
thalach	303	149.64686	22.90516	45343	71.00000	202.00000
exang	303	0.32673	0.46979	99.00000	0	1.00000
oldpeak	303	1.03960	1.16108	315.00000	0	6.20000
ca	303	0.72937	1.02261	221.00000	0	4.00000
target	303	0.54455	0.49883	165.00000	0	1.00000

Pearson Correlation Coefficients, N = 303 Prob > |r| under H0: Rho=0										
	age	**sex**	**trestbps**	**chol**	**fbs**	**restecg**	**thalach**	**exang**	**oldpeak**	**ca**	**target**
age	1.00000	-0.09845 0.0871	0.27935 <.0001	0.21368 0.0002	0.12131 0.0348	-0.11621 0.0432	-0.39852 <.0001	0.09680 0.0926	0.21001 0.0002	0.27633 <.0001	-0.22544 <.0001
sex	-0.09845 0.0871	1.00000	-0.05677 0.3247	-0.19791 0.0005	0.04503 0.4348	-0.05820 0.3126	-0.04402 0.4452	0.14166 0.0136	0.09609 0.0950	0.11826 0.0397	-0.28094 <.0001
trestbps	0.27935 <.0001	-0.05677 0.3247	1.00000	0.12317 0.0321	0.17753 0.0019	-0.11410 0.0472	-0.04670 0.4180	0.06762 0.2406	0.19322 0.0007	0.10139 0.0780	-0.14493 0.0115
chol	0.21368 0.0002	-0.19791 0.0005	0.12317 0.0321	1.00000	0.01329 0.8177	-0.15104 0.0085	-0.00994 0.8632	0.06702 0.2448	0.05395 0.3493	0.07051 0.2210	-0.08524 0.1388
fbs	0.12131 0.0348	0.04503 0.4348	0.17753 0.0019	0.01329 0.8177	1.00000	-0.08419 0.1437	-0.00857 0.8819	0.02567 0.6563	0.00575 0.9206	0.13798 0.0162	-0.02805 0.6268
restecg	-0.11621 0.0432	-0.05820 0.3126	-0.11410 0.0472	-0.15104 0.0085	-0.08419 0.1437	1.00000	0.04412 0.4441	-0.07073 0.2196	-0.05877 0.3079	-0.07204 0.2111	0.13723 0.0168
thalach	-0.39852 <.0001	-0.04402 0.4452	-0.04670 0.4180	-0.00994 0.8632	-0.00857 0.8819	0.04412 0.4441	1.00000	-0.37881 <.0001	-0.34419 <.0001	-0.21318 0.0002	0.42174 <.0001
exang	0.09680 0.0926	0.14166 0.0136	0.06762 0.2406	0.06702 0.2448	0.02567 0.6563	-0.07073 0.2196	-0.37881 <.0001	1.00000	0.28822 <.0001	0.11574 0.0441	-0.43676 <.0001
oldpeak	0.21001 0.0002	0.09609 0.0950	0.19322 0.0007	0.05395 0.3493	0.00575 0.9206	-0.05877 0.3079	-0.34419 <.0001	0.28822 <.0001	1.00000	0.22268 <.0001	-0.43070 <.0001
ca	0.27633 <.0001	0.11826 0.0397	0.10139 0.0780	0.07051 0.2210	0.13798 0.0162	-0.07204 0.2111	-0.21318 0.0002	0.11574 0.0441	0.22268 <.0001	1.00000	-0.39172 <.0001
target	-0.22544 <.0001	-0.28094 <.0001	-0.14493 0.0115	-0.08524 0.1388	-0.02805 0.6268	0.13723 0.0168	0.42174 <.0001	-0.43676 <.0001	-0.43070 <.0001	-0.39172 <.0001	1.00000

The CORR Procedure

11 Variables:	age sex trestbps chol fbs restecg thalach exang oldpeak ca target

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
age	303	54.36634	9.08210	16473	29.00000	77.00000
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trestbps	303	131.62376	17.53814	39882	94.00000	200.00000
chol	303	246.26403	51.83075	74618	126.00000	564.00000
fbs	303	0.14851	0.35620	45.00000	0	1.00000
restecg	303	0.52805	0.52586	160.00000	0	2.00000
thalach	303	149.64686	22.90516	45343	71.00000	202.00000
exang	303	0.32673	0.46979	99.00000	0	1.00000
oldpeak	303	1.03960	1.16108	315.00000	0	6.20000
ca	303	0.72937	1.02261	221.00000	0	4.00000
target	303	0.54455	0.49883	165.00000	0	1.00000

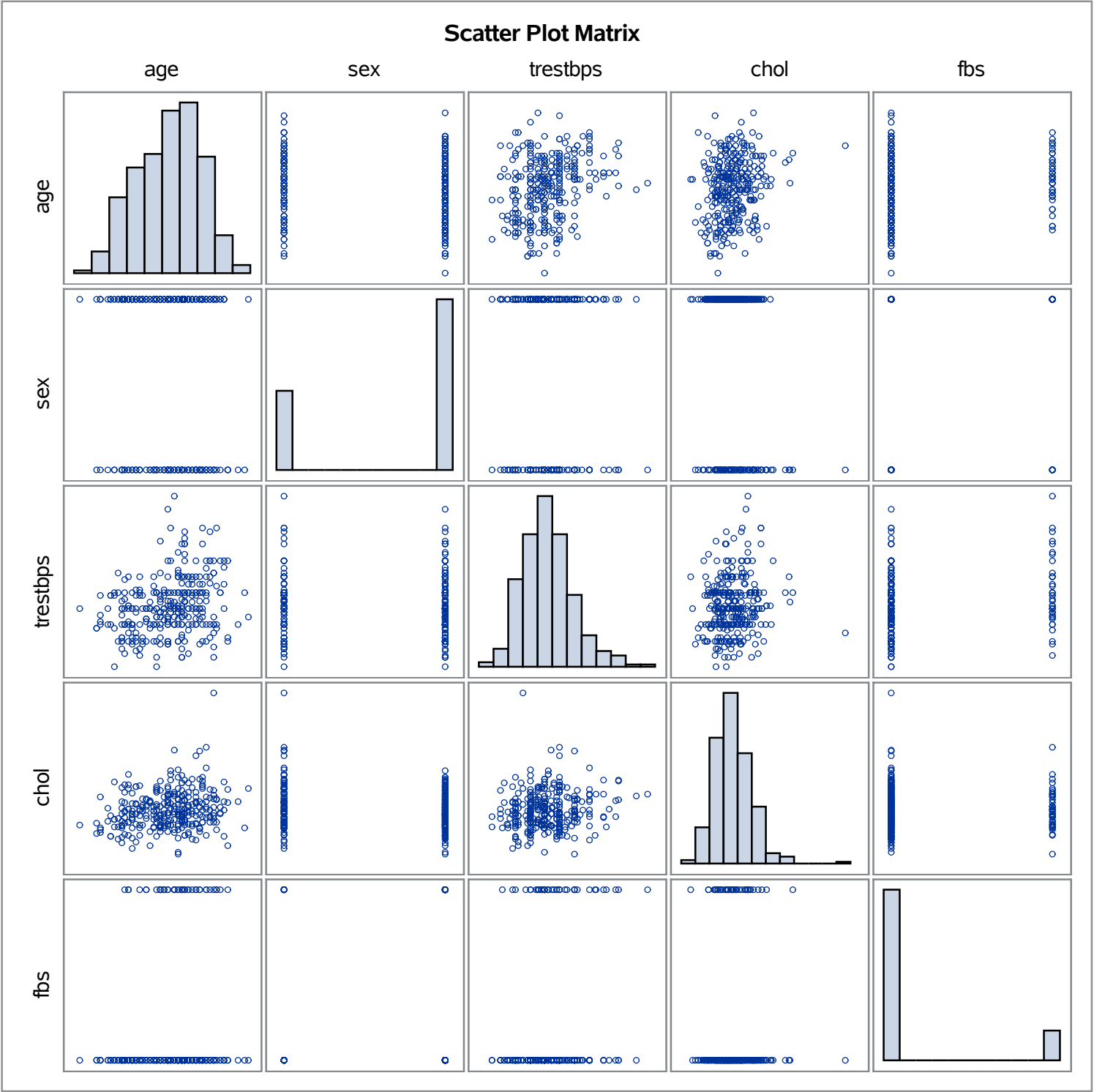| Pearson Correlation Coefficients, N = 303 Prob > |r| under H0: Rho=0											
	age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target
age	1.00000	-0.09845 0.0871	0.27935 <.0001	0.21368 0.0002	0.12131 0.0348	-0.11621 0.0432	-0.39852 <.0001	0.09680 0.0926	0.21001 0.0002	0.27633 <.0001	-0.22544 <.0001
sex	-0.09845 0.0871	1.00000	-0.05677 0.3247	-0.19791 0.0005	0.04503 0.4348	-0.05820 0.3126	-0.04402 0.4452	0.14166 0.0136	0.09609 0.0950	0.11826 0.0397	-0.28094 <.0001
trestbps	0.27935 <.0001	-0.05677 0.3247	1.00000	0.12317 0.0321	0.17753 0.0019	-0.11410 0.0472	-0.04670 0.4180	0.06762 0.2406	0.19322 0.0007	0.10139 0.0780	-0.14493 0.0115
chol	0.21368 0.0002	-0.19791 0.0005	0.12317 0.0321	1.00000	0.01329 0.8177	-0.15104 0.0085	-0.00994 0.8632	0.06702 0.2448	0.05395 0.3493	0.07051 0.2210	-0.08524 0.1388
fbs	0.12131 0.0348	0.04503 0.4348	0.17753 0.0019	0.01329 0.8177	1.00000	-0.08419 0.1437	-0.00857 0.8819	0.02567 0.6563	0.00575 0.9206	0.13798 0.0162	-0.02805 0.6268
restecg	-0.11621 0.0432	-0.05820 0.3126	-0.11410 0.0472	-0.15104 0.0085	-0.08419 0.1437	1.00000	0.04412 0.4441	-0.07073 0.2196	-0.05877 0.3079	-0.07204 0.2111	0.13723 0.0168
thalach	-0.39852 <.0001	-0.04402 0.4452	-0.04670 0.4180	-0.00994 0.8632	-0.00857 0.8819	0.04412 0.4441	1.00000	-0.37881 <.0001	-0.34419 <.0001	-0.21318 0.0002	0.42174 <.0001
exang	0.09680 0.0926	0.14166 0.0136	0.06762 0.2406	0.06702 0.2448	0.02567 0.6563	-0.07073 0.2196	-0.37881 <.0001	1.00000	0.28822 <.0001	0.11574 0.0441	-0.43676 <.0001
oldpeak	0.21001 0.0002	0.09609 0.0950	0.19322 0.0007	0.05395 0.3493	0.00575 0.9206	-0.05877 0.3079	-0.34419 <.0001	0.28822 <.0001	1.00000	0.22268 <.0001	-0.43070 <.0001
ca	0.27633 <.0001	0.11826 0.0397	0.10139 0.0780	0.07051 0.2210	0.13798 0.0162	-0.07204 0.2111	-0.21318 0.0002	0.11574 0.0441	0.22268 <.0001	1.00000	-0.39172 <.0001
target	-0.22544 <.0001	-0.28094 <.0001	-0.14493 0.0115	-0.08524 0.1388	-0.02805 0.6268	0.13723 0.0168	0.42174 <.0001	-0.43676 <.0001	-0.43070 <.0001	-0.39172 <.0001	1.00000

The CORR Procedure

11 Variables:	age sex trestbps chol fbs restecg thalach exang oldpeak ca target

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
age	303	54.36634	9.08210	16473	29.00000	77.00000
sex	303	0.68317	0.46601	207.00000	0	1.00000
trestbps	303	131.62376	17.53814	39882	94.00000	200.00000
chol	303	246.26403	51.83075	74618	126.00000	564.00000
fbs	303	0.14851	0.35620	45.00000	0	1.00000
restecg	303	0.52805	0.52586	160.00000	0	2.00000
thalach	303	149.64686	22.90516	45343	71.00000	202.00000
exang	303	0.32673	0.46979	99.00000	0	1.00000
oldpeak	303	1.03960	1.16108	315.00000	0	6.20000
ca	303	0.72937	1.02261	221.00000	0	4.00000
target	303	0.54455	0.49883	165.00000	0	1.00000

Pearson Correlation Coefficients, N = 303
Prob > |r| under H0: Rho=0

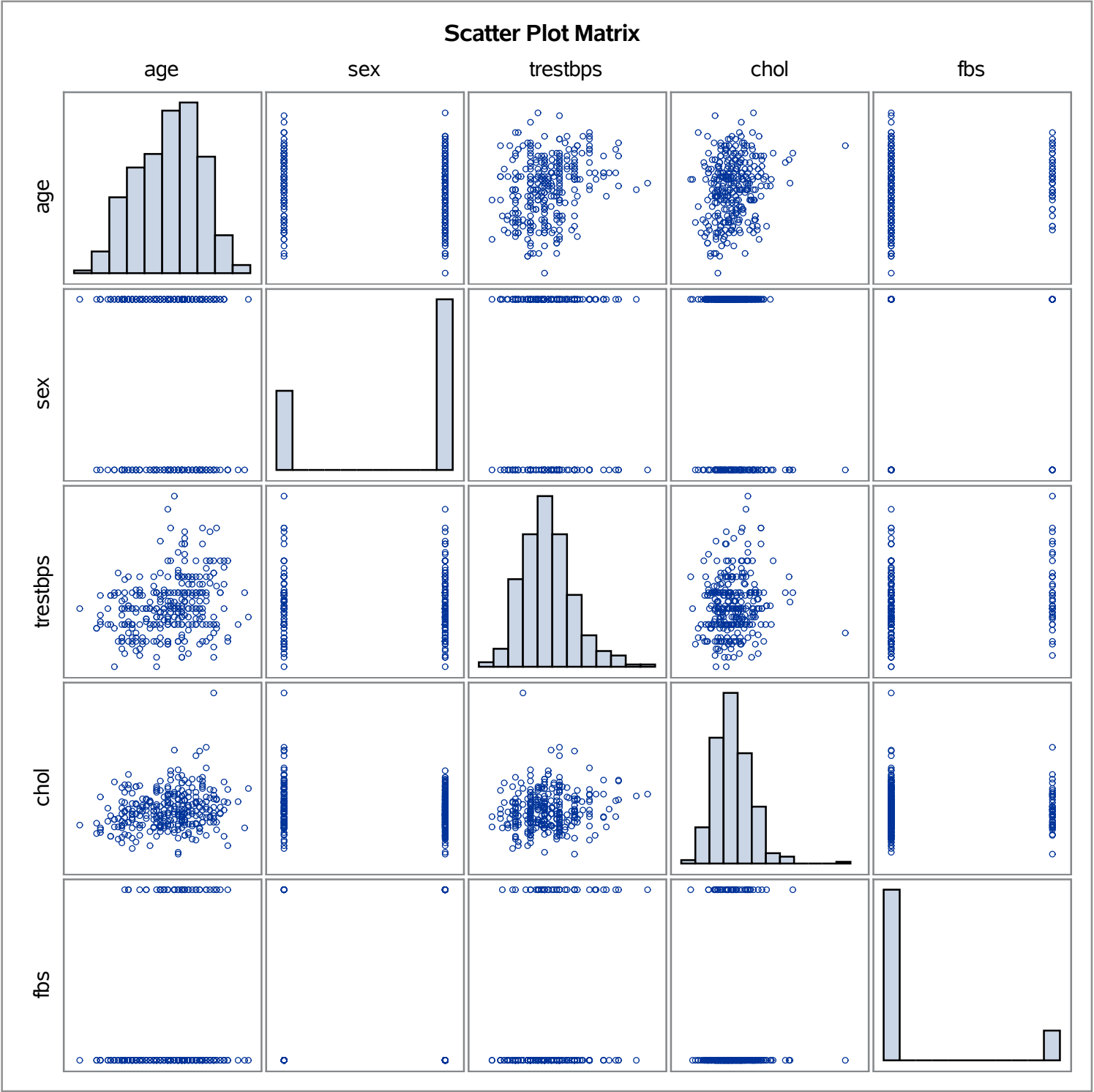|	age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target
age	1.00000	-0.09845 0.0871	0.27935 <.0001	0.21368 0.0002	0.12131 0.0348	-0.11621 0.0432	-0.39852 <.0001	0.09680 0.0926	0.21001 0.0002	0.27633 <.0001	-0.22544 <.0001
sex	-0.09845 0.0871	1.00000	-0.05677 0.3247	-0.19791 0.0005	0.04503 0.4348	-0.05820 0.3126	-0.04402 0.4452	0.14166 0.0136	0.09609 0.0950	0.11826 0.0397	-0.28094 <.0001
trestbps	0.27935 <.0001	-0.05677 0.3247	1.00000	0.12317 0.0321	0.17753 0.0019	-0.11410 0.0472	-0.04670 0.4180	0.06762 0.2406	0.19322 0.0007	0.10139 0.0780	-0.14493 0.0115
chol	0.21368 0.0002	-0.19791 0.0005	0.12317 0.0321	1.00000	0.01329 0.8177	-0.15104 0.0085	-0.00994 0.8632	0.06702 0.2448	0.05395 0.3493	0.07051 0.2210	-0.08524 0.1388
fbs	0.12131 0.0348	0.04503 0.4348	0.17753 0.0019	0.01329 0.8177	1.00000	-0.08419 0.1437	-0.00857 0.8819	0.02567 0.6563	0.00575 0.9206	0.13798 0.0162	-0.02805 0.6268
restecg	-0.11621 0.0432	-0.05820 0.3126	-0.11410 0.0472	-0.15104 0.0085	-0.08419 0.1437	1.00000	0.04412 0.4441	-0.07073 0.2196	-0.05877 0.3079	-0.07204 0.2111	0.13723 0.0168
thalach	-0.39852 <.0001	-0.04402 0.4452	-0.04670 0.4180	-0.00994 0.8632	-0.00857 0.8819	0.04412 0.4441	1.00000	-0.37881 <.0001	-0.34419 <.0001	-0.21318 0.0002	0.42174 <.0001
exang	0.09680 0.0926	0.14166 0.0136	0.06762 0.2406	0.06702 0.2448	0.02567 0.6563	-0.07073 0.2196	-0.37881 <.0001	1.00000	0.28822 <.0001	0.11574 0.0441	-0.43676 <.0001
oldpeak	0.21001 0.0002	0.09609 0.0950	0.19322 0.0007	0.05395 0.3493	0.00575 0.9206	-0.05877 0.3079	-0.34419 <.0001	0.28822 <.0001	1.00000	0.22268 <.0001	-0.43070 <.0001
ca	0.27633 <.0001	0.11826 0.0397	0.10139 0.0780	0.07051 0.2210	0.13798 0.0162	-0.07204 0.2111	-0.21318 0.0002	0.11574 0.0441	0.22268 <.0001	1.00000	-0.39172 <.0001
target	-0.22544 <.0001	-0.28094 <.0001	-0.14493 0.0115	-0.08524 0.1388	-0.02805 0.6268	0.13723 0.0168	0.42174 <.0001	-0.43676 <.0001	-0.43070 <.0001	-0.39172 <.0001	1.00000

The CORR Procedure

Scatter Plot Matrix of variables age, sex, trestbps, chol, and fbs.

The CORR Procedure

11 Variables:	age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
age	303	54.36634	9.08210	16473	29.00000	77.00000
sex	303	0.68317	0.46601	207.00000	0	1.00000
trestbps	303	131.62376	17.53814	39882	94.00000	200.00000
chol	303	246.26403	51.83075	74618	126.00000	564.00000
fbs	303	0.14851	0.35620	45.00000	0	1.00000
restecg	303	0.52805	0.52586	160.00000	0	2.00000
thalach	303	149.64686	22.90516	45343	71.00000	202.00000
exang	303	0.32673	0.46979	99.00000	0	1.00000
oldpeak	303	1.03960	1.16108	315.00000	0	6.20000
ca	303	0.72937	1.02261	221.00000	0	4.00000
target	303	0.54455	0.49883	165.00000	0	1.00000

Pearson Correlation Coefficients, N = 303
Prob > |r| under H0: Rho=0

	age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target
age	1.00000	-0.09845	0.27935	0.21368	0.12131	-0.11621	-0.39852	0.09680	0.21001	0.27633	-0.22544
		0.0871	<.0001	0.0002	0.0348	0.0432	<.0001	0.0926	0.0002	<.0001	<.0001
sex	-0.09845	1.00000	-0.05677	-0.19791	0.04503	-0.05820	-0.04402	0.14166	0.09609	0.11826	-0.28094
	0.0871		0.3247	0.0005	0.4348	0.3126	0.4452	0.0136	0.0950	0.0397	<.0001
trestbps	0.27935	-0.05677	1.00000	0.12317	0.17753	-0.11410	-0.04670	0.06762	0.19322	0.10139	-0.14493
	<.0001	0.3247		0.0321	0.0019	0.0472	0.4180	0.2406	0.0007	0.0780	0.0115
chol	0.21368	-0.19791	0.12317	1.00000	0.01329	-0.15104	-0.00994	0.06702	0.05395	0.07051	-0.08524
	0.0002	0.0005	0.0321		0.8177	0.0085	0.8632	0.2448	0.3493	0.2210	0.1388
fbs	0.12131	0.04503	0.17753	0.01329	1.00000	-0.08419	-0.00857	0.02567	0.00575	0.13798	-0.02805
	0.0348	0.4348	0.0019	0.8177		0.1437	0.8819	0.6563	0.9206	0.0162	0.6268
restecg	-0.11621	-0.05820	-0.11410	-0.15104	-0.08419	1.00000	0.04412	-0.07073	-0.05877	-0.07204	0.13723
	0.0432	0.3126	0.0472	0.0085	0.1437		0.4441	0.2196	0.3079	0.2111	0.0168
thalach	-0.39852	-0.04402	-0.04670	-0.00994	-0.00857	0.04412	1.00000	-0.37881	-0.34419	-0.21318	0.42174
	<.0001	0.4452	0.4180	0.8632	0.8819	0.4441		<.0001	<.0001	0.0002	<.0001
exang	0.09680	0.14166	0.06762	0.06702	0.02567	-0.07073	-0.37881	1.00000	0.28822	0.11574	-0.43676
	0.0926	0.0136	0.2406	0.2448	0.6563	0.2196	<.0001		<.0001	0.0441	<.0001
oldpeak	0.21001	0.09609	0.19322	0.05395	0.00575	-0.05877	-0.34419	0.28822	1.00000	0.22268	-0.43070
	0.0002	0.0950	0.0007	0.3493	0.9206	0.3079	<.0001	<.0001		<.0001	<.0001
ca	0.27633	0.11826	0.10139	0.07051	0.13798	-0.07204	-0.21318	0.11574	0.22268	1.00000	-0.39172
	<.0001	0.0397	0.0780	0.2210	0.0162	0.2111	0.0002	0.0441	<.0001		<.0001
target	-0.22544	-0.28094	-0.14493	-0.08524	-0.02805	0.13723	0.42174	-0.43676	-0.43070	-0.39172	1.00000
	<.0001	<.0001	0.0115	0.1388	0.6268	0.0168	<.0001	<.0001	<.0001	<.0001	

The CORR Procedure

Scatter Plot Matrix of age, sex, trestbps, chol, fbs

The CONTENTS Procedure

Data Set Name	WORK.TEST	Observations	303
Member Type	DATA	Variables	14
Engine	V9	Indexes	0
Created	28/07/2024 21:05:10	Observation Length	112
Last Modified	28/07/2024 21:05:10	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	1168
Obs in First Data Page	303
Number of Data Set Repairs	0
Filename	/saswork/SAS_workA55B0000BC96_odaws02-euw1.oda.sas.com/SAS_workFBA50000BC96_odaws02-euw1.oda.sas.com/test.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	1798436
Access Permission	rw-r--r--
Owner Name	u63665225
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat
1	age	Num	8	BEST12.	BEST32.
12	ca	Num	8	BEST12.	BEST32.
5	chol	Num	8	BEST12.	BEST32.
3	cp	Num	8	BEST12.	BEST32.
9	exang	Num	8	BEST12.	BEST32.
6	fbs	Num	8	BEST12.	BEST32.
10	oldpeak	Num	8	BEST12.	BEST32.
7	restecg	Num	8	BEST12.	BEST32.
2	sex	Num	8	BEST12.	BEST32.
11	slope	Num	8	BEST12.	BEST32.

The CONTENTS Procedure

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat
14	target	Num	8	BEST12.	BEST32.
13	thal	Num	8	BEST12.	BEST32.
8	thalach	Num	8	BEST12.	BEST32.
4	trestbps	Num	8	BEST12.	BEST32.

The FREQ Procedure

sex	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	96	31.68	96	31.68
1	207	68.32	303	100.00

Categorical Variables - Univariate Analysis on Sex (Gender)
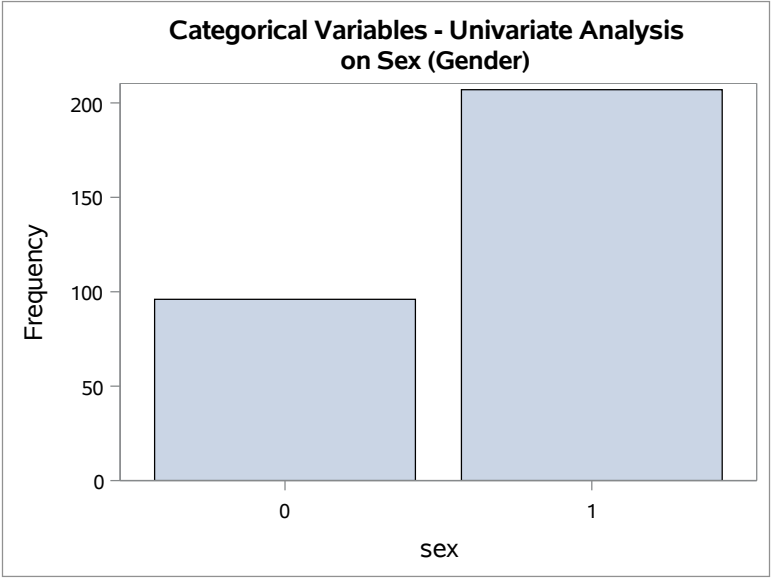
The FREQ Procedure

cp	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	143	47.19	143	47.19
1	50	16.50	193	63.70
2	87	28.71	280	92.41
3	23	7.59	303	100.00

Categorical Variables - Univariate Analysis on cp (Chest Pain Type)
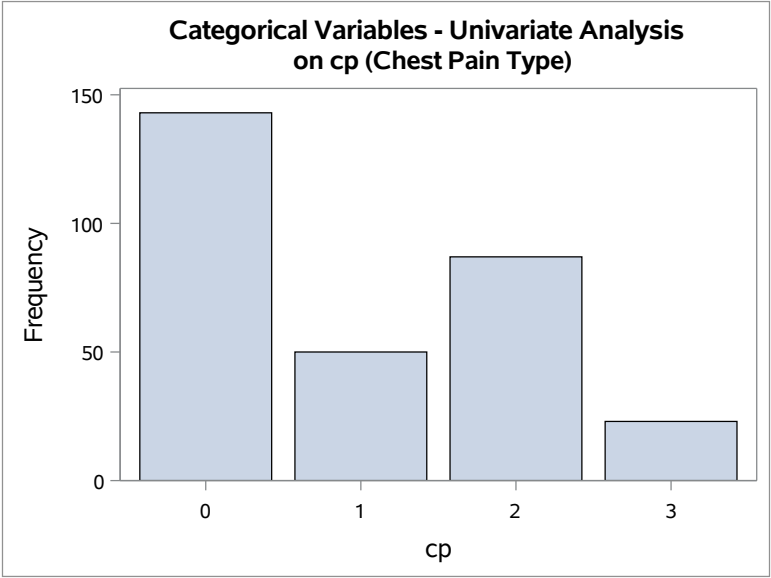
The FREQ Procedure

fbs	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	258	85.15	258	85.15
1	45	14.85	303	100.00

Categorical Variables - Univariate Analysis on fbs (Fasting Blood Sugar)
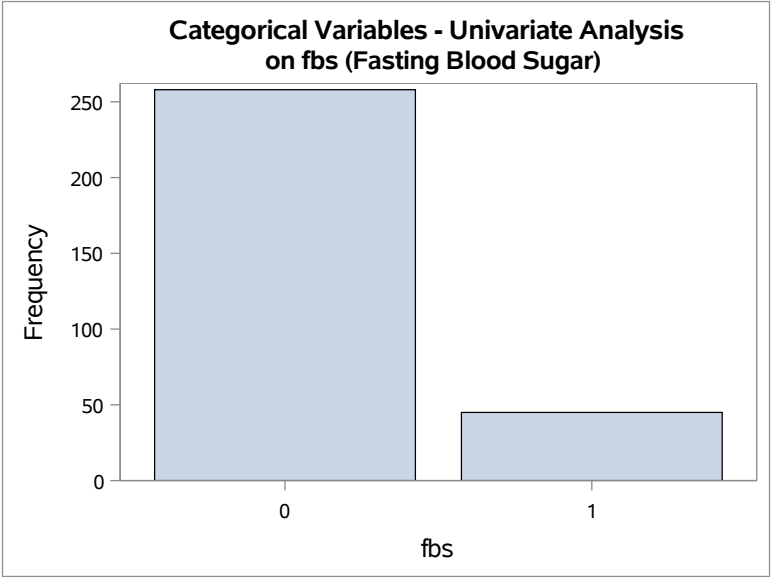
The FREQ Procedure

restecg	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	147	48.51	147	48.51
1	152	50.17	299	98.68
2	4	1.32	303	100.00

Categorical Variables - Univariate Analysis
on restecg (Resting Electrocardiographic Results)
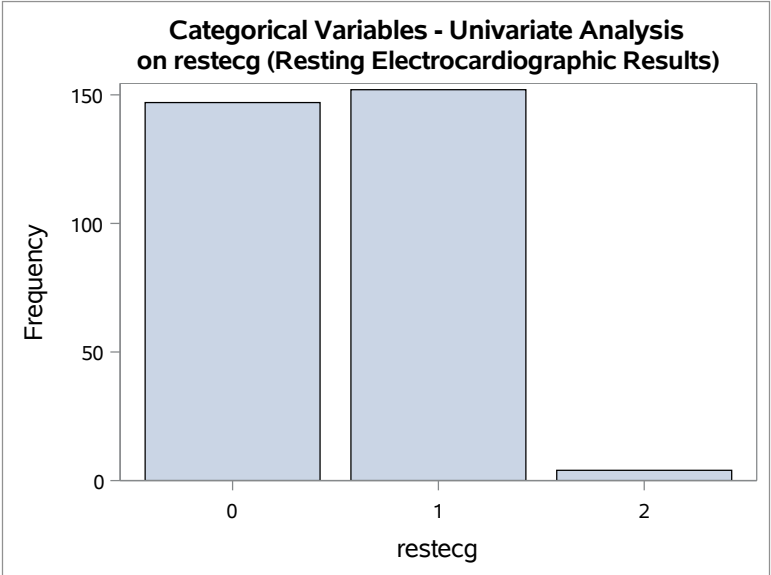
The FREQ Procedure

exang	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	204	67.33	204	67.33
1	99	32.67	303	100.00

Categorical Variables - Univariate Analysis on exang (Exercise Induced Angina)
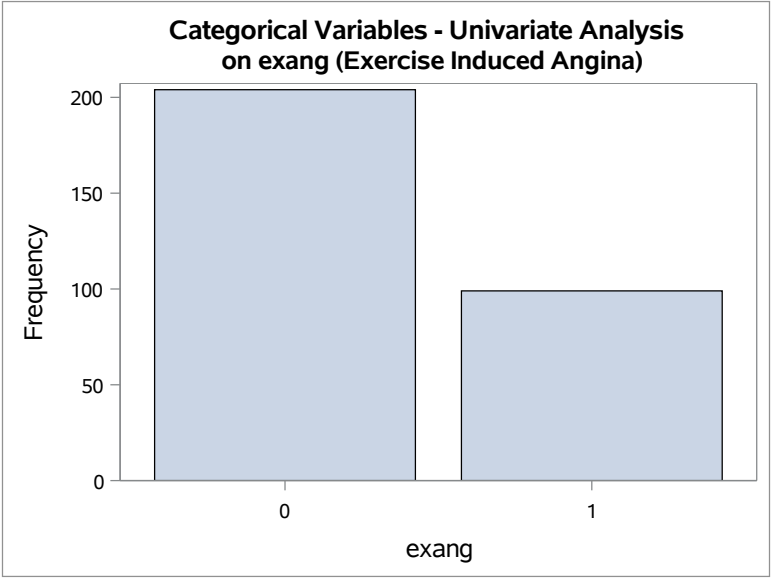
The FREQ Procedure

slope	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	21	6.93	21	6.93
1	140	46.20	161	53.14
2	142	46.86	303	100.00

Categorical Variables - Univariate Analysis on slope (Slope of the Peak Exercise)
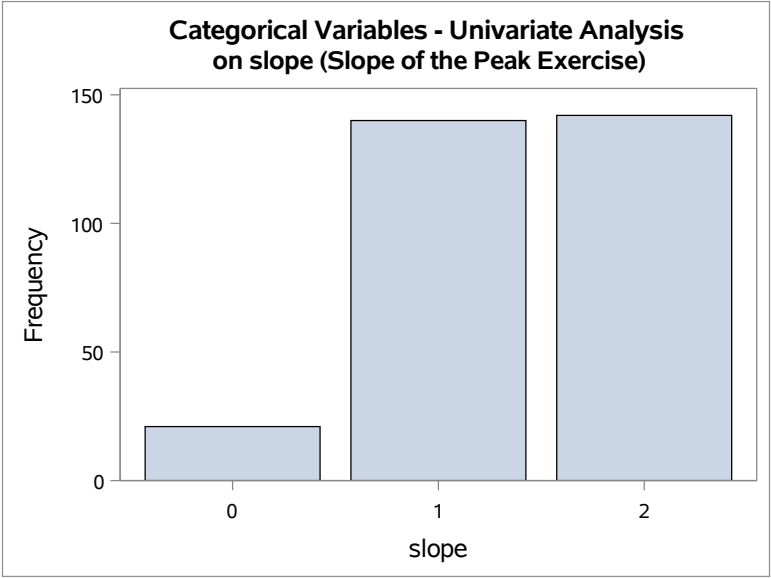
The FREQ Procedure

ca	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	175	57.76	175	57.76
1	65	21.45	240	79.21
2	38	12.54	278	91.75
3	20	6.60	298	98.35
4	5	1.65	303	100.00

**Categorical Variables - Univariate Analysis
on ca (Number of Major Vessels)**
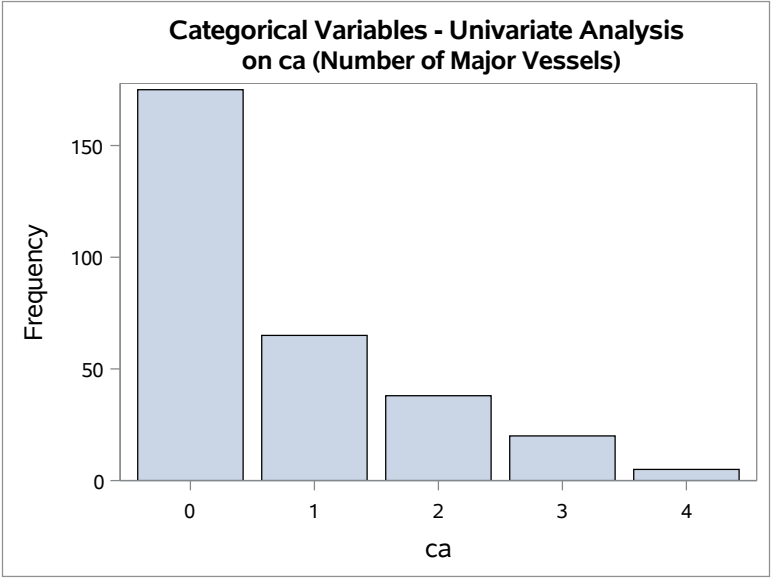
The FREQ Procedure

thal	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	2	0.66	2	0.66
1	18	5.94	20	6.60
2	166	54.79	186	61.39
3	117	38.61	303	100.00

Categorical Variables - Univariate Analysis on thal
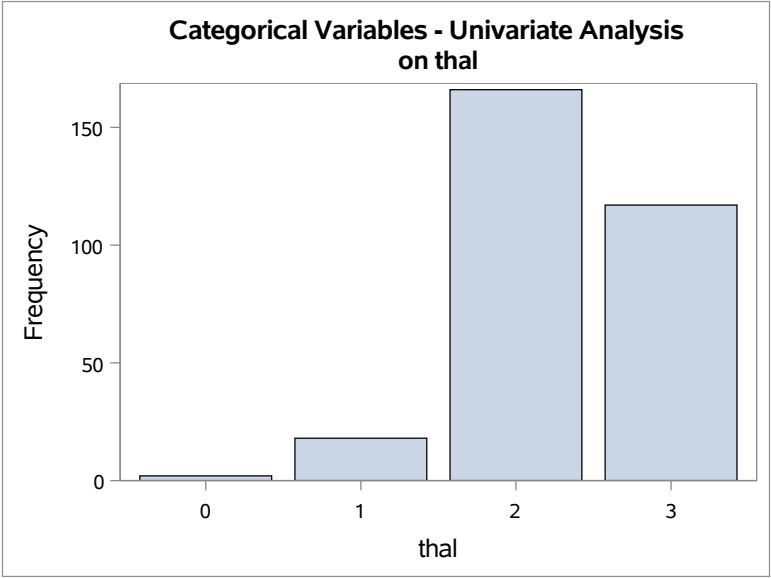
The FREQ Procedure

target	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	138	45.54	138	45.54
1	165	54.46	303	100.00

Categorical Variables - Univariate Analysis on target (Heart Diseases Status)
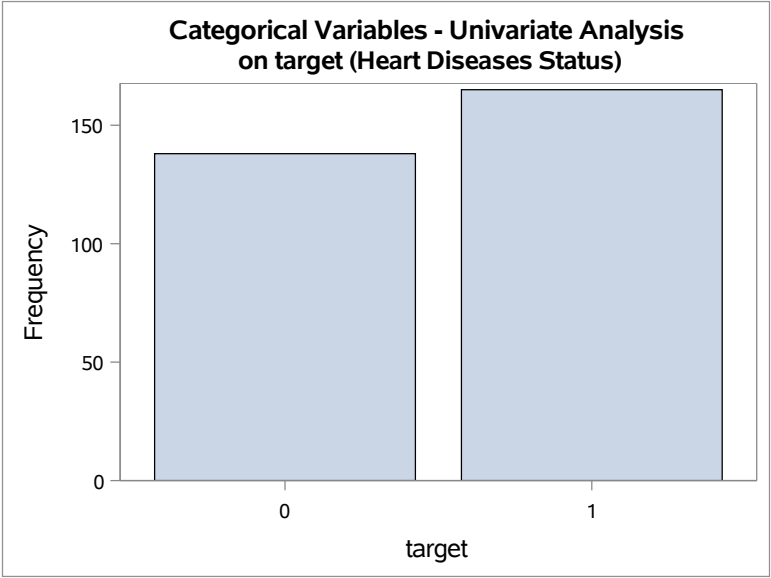
The MEANS Procedure

Analysis Variable : age						
N	N Miss	Minimum	Maximum	Mean	Median	Std Dev
303	0	29.0000000	77.0000000	54.3663366	55.0000000	9.0821010

Numerical Variables - Univariate Analysis on age
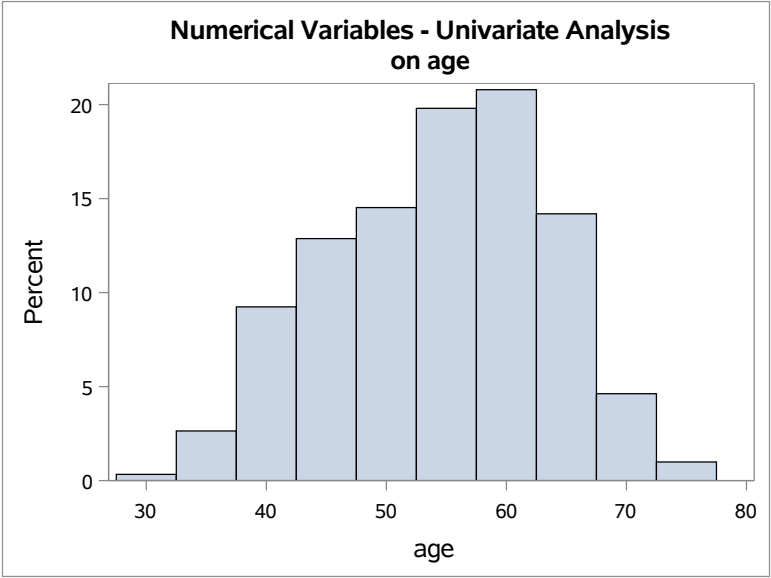
The MEANS Procedure

Analysis Variable : trestbps						
N	N Miss	Minimum	Maximum	Mean	Median	Std Dev
303	0	94.0000000	200.0000000	131.6237624	130.0000000	17.5381428

Numerical Variables - Univariate Analysis on trestbps
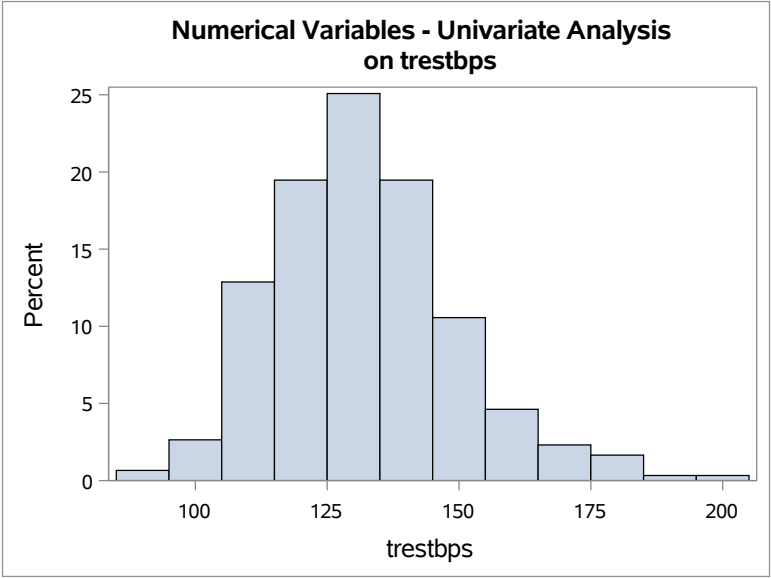
The MEANS Procedure

Analysis Variable : chol						
N	N Miss	Minimum	Maximum	Mean	Median	Std Dev
303	0	126.0000000	564.0000000	246.2640264	240.0000000	51.8307510

Numerical Variables - Univariate Analysis
on chol
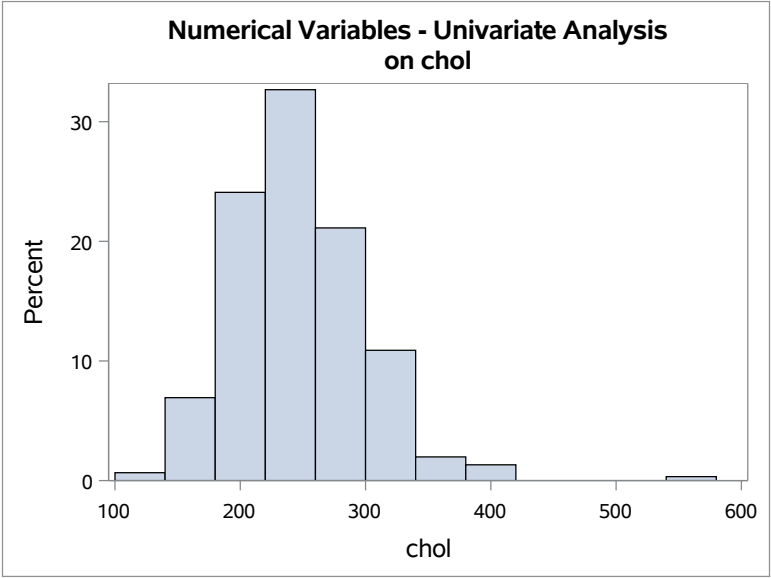
The MEANS Procedure

Analysis Variable : thalach						
N	N Miss	Minimum	Maximum	Mean	Median	Std Dev
303	0	71.0000000	202.0000000	149.6468647	153.0000000	22.9051611

Numerical Variables - Univariate Analysis
on thalach
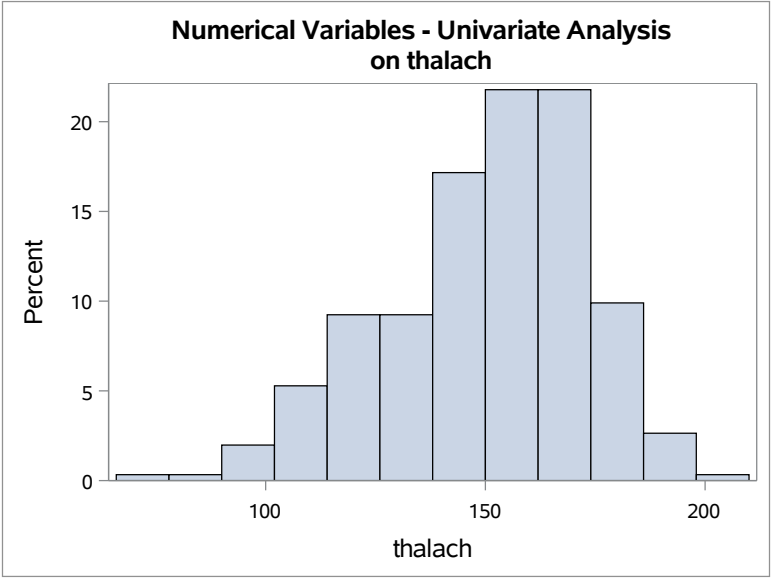
The MEANS Procedure

			Analysis Variable : oldpeak			
N	N Miss	Minimum	Maximum	Mean	Median	Std Dev
303	0	0	6.2000000	1.0396040	0.8000000	1.1610750

Numerical Variables - Univariate Analysis on oldpeak

The CORR Procedure

11 Variables:	age	sex	trestbps chol	fbs	restecg thalach exang	oldpeak ca	target

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
age	303	54.36634	9.08210	16473	29.00000	77.00000
sex	303	0.68317	0.46601	207.00000	0	1.00000
trestbps	303	131.62376	17.53814	39882	94.00000	200.00000
chol	303	246.26403	51.83075	74618	126.00000	564.00000
fbs	303	0.14851	0.35620	45.00000	0	1.00000
restecg	303	0.52805	0.52586	160.00000	0	2.00000
thalach	303	149.64686	22.90516	45343	71.00000	202.00000
exang	303	0.32673	0.46979	99.00000	0	1.00000
oldpeak	303	1.03960	1.16108	315.00000	0	6.20000
ca	303	0.72937	1.02261	221.00000	0	4.00000
target	303	0.54455	0.49883	165.00000	0	1.00000

Pearson Correlation Coefficients, N = 303
Prob > |r| under H0: Rho=0

	age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target
age	1.00000	-0.09845	0.27935	0.21368	0.12131	-0.11621	-0.39852	0.09680	0.21001	0.27633	-0.22544
		0.0871	<.0001	0.0002	0.0348	0.0432	<.0001	0.0926	0.0002	<.0001	<.0001
sex	-0.09845	1.00000	-0.05677	-0.19791	0.04503	-0.05820	-0.04402	0.14166	0.09609	0.11826	-0.28094
	0.0871		0.3247	0.0005	0.4348	0.3126	0.4452	0.0136	0.0950	0.0397	<.0001
trestbps	0.27935	-0.05677	1.00000	0.12317	0.17753	-0.11410	-0.04670	0.06762	0.19322	0.10139	-0.14493
	<.0001	0.3247		0.0321	0.0019	0.0472	0.4180	0.2406	0.0007	0.0780	0.0115
chol	0.21368	-0.19791	0.12317	1.00000	0.01329	-0.15104	-0.00994	0.06702	0.05395	0.07051	-0.08524
	0.0002	0.0005	0.0321		0.8177	0.0085	0.8632	0.2448	0.3493	0.2210	0.1388
fbs	0.12131	0.04503	0.17753	0.01329	1.00000	-0.08419	-0.00857	0.02567	0.00575	0.13798	-0.02805
	0.0348	0.4348	0.0019	0.8177		0.1437	0.8819	0.6563	0.9206	0.0162	0.6268
restecg	-0.11621	-0.05820	-0.11410	-0.15104	-0.08419	1.00000	0.04412	-0.07073	-0.05877	-0.07204	0.13723
	0.0432	0.3126	0.0472	0.0085	0.1437		0.4441	0.2196	0.3079	0.2111	0.0168
thalach	-0.39852	-0.04402	-0.04670	-0.00994	-0.00857	0.04412	1.00000	-0.37881	-0.34419	-0.21318	0.42174
	<.0001	0.4452	0.4180	0.8632	0.8819	0.4441		<.0001	<.0001	0.0002	<.0001
exang	0.09680	0.14166	0.06762	0.06702	0.02567	-0.07073	-0.37881	1.00000	0.28822	0.11574	-0.43676
	0.0926	0.0136	0.2406	0.2448	0.6563	0.2196	<.0001		<.0001	0.0441	<.0001
oldpeak	0.21001	0.09609	0.19322	0.05395	0.00575	-0.05877	-0.34419	0.28822	1.00000	0.22268	-0.43070
	0.0002	0.0950	0.0007	0.3493	0.9206	0.3079	<.0001	<.0001		<.0001	<.0001
ca	0.27633	0.11826	0.10139	0.07051	0.13798	-0.07204	-0.21318	0.11574	0.22268	1.00000	-0.39172
	<.0001	0.0397	0.0780	0.2210	0.0162	0.2111	0.0002	0.0441	<.0001		<.0001
target	-0.22544	-0.28094	-0.14493	-0.08524	-0.02805	0.13723	0.42174	-0.43676	-0.43070	-0.39172	1.00000
	<.0001	<.0001	0.0115	0.1388	0.6268	0.0168	<.0001	<.0001	<.0001	<.0001	

The CORR Procedure

Scatter Plot Matrix

The SURVEYSELECT Procedure

Selection Method	Simple Random Sampling

Input Data Set	TEST1
Random Number Seed	713422884
Sampling Rate	0.8
Sample Size	243
Selection Probability	0.80198
Sampling Weight	0
Output Data Set	TEST1_SELECT

The LOGISTIC Procedure

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

Number of Observations Read	243
Number of Observations Used	243

Response Profile		
Ordered Value	target	Total Frequency
1	0	111
2	1	132

Probability modeled is target='0'.

Class Level Information					
Class	Value	Design Variables			
sex	0	1			
	1	-1			
cp_0	0	1			
	1	-1			
cp_1	0	1			
	1	-1			
cp_2	0	1			
	1	-1			
cp_3	0	1			
	1	-1			
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

The LOGISTIC Procedure

Class Level Information					
Class	**Value**	**Design Variables**			
	3	0	0	0	1
	4	-1	-1	-1	-1
thal_0	**0**	1			
	1	-1			
thal_1	**0**	1			
	1	-1			
thal_2	**0**	1			
	1	-1			
thal_3	**0**	1			
	1	-1			
slope_0	**0**	1			
	1	-1			
slope_1	**0**	1			
	1	-1			
slope_2	**0**	1			
	1	-1			

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

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	337.052	188.198
SC	340.546	268.539
-2 Log L	335.052	142.198

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	192.8541	22	<.0001
Score	143.4844	22	<.0001
Wald	59.9744	22	<.0001

The LOGISTIC Procedure

Type 3 Analysis of Effects			
Effect	**DF**	**Wald Chi-Square**	**Pr > ChiSq**
age	1	0.0172	0.8957
sex	1	9.0343	0.0026
cp_0	1	12.4773	0.0004
cp_1	1	3.3984	0.0653
cp_2	1	0.3991	0.5275
cp_3	0	.	.
trestbps	1	1.7802	0.1821
chol	1	1.9664	0.1608
fbs	1	0.8898	0.3455
restecg	2	0.1307	0.9367
thalach	1	0.1462	0.7022
exang	1	2.1175	0.1456
oldpeak	1	2.9984	0.0833
slope_0	1	0.6151	0.4329
slope_1	1	6.2972	0.0121
slope_2	0	.	.
ca	4	23.2001	0.0001
thal_0	1	0.0001	0.9917
thal_1	1	2.1363	0.1439
thal_2	1	6.8149	0.0090
thal_3	0	.	.

Note: The following parameters have been set to 0, since the variables are a linear combination of other variables as shown.

cp_30 =	2 * Intercept - cp_00 - cp_10 - cp_20
slope_20 =	Intercept - slope_00 - slope_10
thal_30 =	2 * Intercept - thal_00 - thal_10 - thal_20

Analysis of Maximum Likelihood Estimates					
Parameter		**DF**	**Estimate**	**Standard Error**	**Wald Chi-Square**	**Pr > ChiSq**
Intercept		1	3.3205	610.8	0.0000	0.9957
age		1	-0.00382	0.0291	0.0172	0.8957
sex	0	1	-0.9906	0.3296	9.0343	0.0026
cp_0	0	1	-1.4875	0.4211	12.4773	0.0004
cp_1	0	1	-0.8724	0.4733	3.3984	0.0653
cp_2	0	1	-0.2563	0.4056	0.3991	0.5275
cp_3	0	0	0	.	.	.

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
trestbps		1	0.0181	0.0136	1.7802	0.1821
chol		1	0.00642	0.00458	1.9664	0.1608
fbs	0	1	0.3070	0.3254	0.8898	0.3455
restecg	0	1	-0.3781	1.0879	0.1208	0.7281
restecg	1	1	-0.3878	1.0839	0.1280	0.7205
thalach		1	-0.00486	0.0127	0.1462	0.7022
exang	0	1	-0.3724	0.2559	2.1175	0.1456
oldpeak		1	0.4979	0.2876	2.9984	0.0833
slope_0	0	1	-0.4437	0.5658	0.6151	0.4329
slope_1	0	1	-0.7367	0.2936	6.2972	0.0121
slope_2	0	0	0	.	.	.
ca	0	1	-1.2501	0.4811	6.7503	0.0094
ca	1	1	1.4162	0.5775	6.0143	0.0142
ca	2	1	1.6868	0.7941	4.5117	0.0337
ca	3	1	0.2299	0.8035	0.0819	0.7748
thal_0	0	1	-6.3207	610.8	0.0001	0.9917
thal_1	0	1	0.6689	0.4576	2.1363	0.1439
thal_2	0	1	0.6680	0.2559	6.8149	0.0090
thal_3	0	0	0	.	.	.

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
age	0.996	0.941	1.055
sex 0 vs 1	0.138	0.038	0.502
cp_0 0 vs 1	0.051	0.010	0.266
cp_1 0 vs 1	0.175	0.027	1.117
cp_2 0 vs 1	0.599	0.122	2.937
trestbps	1.018	0.992	1.046
chol	1.006	0.997	1.016
fbs 0 vs 1	1.848	0.516	6.617
restecg 0 vs 2	0.319	<0.001	167.079
restecg 1 vs 2	0.315	<0.001	164.170
thalach	0.995	0.971	1.020
exang 0 vs 1	0.475	0.174	1.295
oldpeak	1.645	0.936	2.891
slope_0 0 vs 1	0.412	0.045	3.783

The LOGISTIC Procedure

Odds Ratio Estimates			
Effect	**Point Estimate**	**95% Wald Confidence Limits**	
slope_1 0 vs 1	0.229	0.073	0.724
ca 0 vs 4	2.300	0.094	56.326
ca 1 vs 4	33.082	1.137	962.896
ca 2 vs 4	43.363	1.011	>999.999
ca 3 vs 4	10.102	0.274	372.563
thal_0 0 vs 1	<0.001	<0.001	>999.999
thal_1 0 vs 1	3.810	0.634	22.909
thal_2 0 vs 1	3.804	1.395	10.373

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	94.7	**Somers' D**	0.895
Percent Discordant	5.3	**Gamma**	0.895
Percent Tied	0.0	**Tau-a**	0.446
Pairs	14652	**c**	0.947

Numerical Variables - Univariate Analysis
on oldpeak

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2	thal_3	slope_0	slope_1	slope_2	Response Value	Estimated Probability
63	1	145	233	1	0	150	0	2.3	0	1	0	0	0	1	0	1	0	0	1	0	0	0	0.050641
37	1	130	250	0	1	187	0	3.5	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0.188739
56	1	120	236	0	1	178	0	0.8	0	1	0	1	0	0	0	0	1	0	0	0	1	0	0.059662
57	0	120	354	0	1	163	1	0.6	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0.115405
57	1	140	192	0	1	148	0	0.4	0	1	1	0	0	0	0	1	0	0	0	1	0	0	0.491767
56	0	140	294	0	0	153	0	1.3	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0.104268
52	1	172	199	1	1	162	0	0.5	0	1	0	0	1	0	0	0	0	1	0	0	1	0	0.067871
57	1	150	168	0	1	174	0	1.6	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.030204
48	0	130	275	0	1	139	0	0.2	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.003618
49	1	130	266	0	1	171	0	0.6	0	1	0	1	0	0	0	0	1	0	0	0	1	0	0.081459
64	1	110	211	0	0	144	1	1.8	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0.120959
58	0	120	340	0	1	172	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.003401
66	0	150	226	0	1	114	0	2.6	0	1	0	0	0	1	0	0	1	0	1	0	0	0	0.018934
69	0	140	239	0	1	151	0	1.8	2	1	0	0	0	1	0	0	1	0	0	0	1	0	0.070066
59	1	135	234	0	1	161	0	0.5	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0.81195
44	1	130	233	0	1	179	1	0.4	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.037638
61	1	150	243	1	1	137	1	1	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0.179824

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
40	1	140	199	0	1	178	1	1.4	0	1	0	0	0	1	0	0	0
71	0	160	302	0	1	162	0	0.4	2	1	0	1	0	0	0	0	1
59	1	150	212	1	1	157	0	1.6	0	1	0	0	1	0	0	0	1
51	1	110	175	0	1	123	0	0.6	0	1	0	0	1	0	0	0	1
65	0	140	417	1	0	157	0	0.8	1	1	0	0	1	0	0	0	1
53	1	130	197	1	0	152	0	1.2	0	1	0	0	1	0	0	0	1
41	0	105	198	0	1	168	0	0	1	1	0	1	0	0	0	0	1
65	1	120	177	0	1	140	0	0.4	0	1	1	0	0	0	0	0	0
51	1	125	213	0	0	125	1	1.4	1	1	0	0	0	1	0	0	1
46	0	142	177	0	0	160	1	1.4	0	1	0	0	1	0	0	0	1
54	0	135	304	1	1	170	0	0	0	1	0	0	1	0	0	0	1
54	1	150	232	0	0	165	0	1.6	0	1	0	0	1	0	0	0	0
65	0	155	269	0	1	148	0	0.8	0	1	0	0	1	0	0	0	1
65	0	160	360	0	0	151	0	0.8	0	1	0	0	1	0	0	0	1
51	0	140	308	0	0	142	0	1.5	1	1	0	0	1	0	0	0	1
48	1	130	245	0	0	180	0	0.2	0	1	0	1	0	0	0	0	1
45	1	104	208	0	0	148	1	3	0	1	1	0	0	0	0	0	1

thal_3	slope_0	slope_1	slope_2	Response Value	Estimated Probability
1	0	0	1	0	0.125985
0	0	0	1	0	0.303113
0	0	0	1	0	0.023532
0	0	0	1	0	0.012426
0	0	0	1	0	0.089699
0	1	0	0	0	0.031105
0	0	0	1	0	0.053132
1	0	0	1	0	0.35008
0	0	0	1	0	0.362837
0	1	0	0	0	0.020137
0	0	0	1	0	0.001968
1	0	0	1	0	0.16012
0	0	0	1	0	0.006601
0	0	0	1	0	0.012816
0	0	0	1	0	0.126969
0	0	1	0	0	0.211887
0	0	1	0	0	0.819721

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2	thal_3	slope_0	slope_1	slope_2	Response Value	Estimated Probability
53	0	130	264	0	0	143	0	0.4	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0.156816
39	1	140	321	0	0	182	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.031515
44	1	140	235	0	0	180	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.018224
47	1	138	257	0	0	156	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.022393
53	0	138	234	0	0	160	0	0	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0.029742
51	0	130	256	0	0	149	0	0.5	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.003536
62	1	130	231	0	1	146	0	1.8	3	1	0	0	1	0	0	0	0	1	0	1	0	0	0.746335
63	0	135	252	0	0	172	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.002515
52	1	134	201	0	1	158	0	0.8	1	1	0	1	0	0	0	0	1	0	0	0	1	0	0.51253
48	1	122	222	0	0	186	0	0	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0.121537
45	1	115	260	0	0	185	0	0	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0.136522
34	1	118	182	0	0	174	0	0	0	1	0	0	0	1	0	0	1	0	0	0	1	0	0.00565
71	0	110	265	1	0	130	0	0	1	1	0	0	1	0	0	0	1	0	0	0	1	0	0.015888
54	1	108	309	0	1	156	0	0	0	1	0	1	0	0	0	0	0	1	0	0	1	0	0.1894
52	1	118	186	0	0	190	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0.021466
41	1	135	203	0	1	132	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	0.206966
58	1	140	211	1	0	165	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.008704

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2	thal_3	slope_0	slope_1	slope_2	Response Value	Estimated Probability
35	0	138	183	0	1	182	0	1.4	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0.040576
45	0	130	234	0	0	175	0	0.6	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0.04187
62	0	124	209	0	1	163	0	0	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0.01875
54	1	120	258	0	0	147	0	0.4	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0.255342
51	1	94	227	0	1	154	1	0	1	1	0	0	1	0	0	0	0	1	0	0	1	0	0.491546
51	1	140	261	0	0	186	1	0	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0.338876
55	0	135	250	0	0	161	0	1.4	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0.075234
51	1	125	245	1	0	166	0	2.4	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0.10926
59	1	140	221	0	1	164	1	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0	0.110216
52	1	128	205	1	1	184	0	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0	0.021086
58	1	105	240	0	0	154	1	0.6	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0.340198
41	1	112	250	0	1	179	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.01224
45	1	128	308	0	0	170	0	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0	0.078838
60	0	102	318	0	1	160	0	0	1	1	0	0	1	0	0	0	1	0	0	0	1	0	0.031357
52	1	152	298	1	1	178	0	1.2	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0.246933
42	0	102	265	0	0	122	0	0.6	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0.125761
67	0	115	564	0	0	160	0	1.6	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0.333301

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2	thal_3	slope_0	slope_1	slope_2	Response Value	Estimated Probability
46	1	101	197	1	1	156	0	0	0	1	0	1	0	0	0	0	0	1	0	0	1	0	0.053003
54	0	110	214	0	1	158	0	1.6	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0.013168
58	0	100	248	0	0	122	0	1	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0.12496
48	1	124	255	1	1	175	0	0	2	1	0	0	1	0	0	0	1	0	0	0	1	0	0.13875
52	1	138	223	0	1	169	0	0	4	1	0	0	1	0	0	0	1	0	0	0	1	0	0.007251
54	0	132	288	1	0	159	1	0	1	1	0	1	0	0	0	0	1	0	0	0	1	0	0.157216
45	0	112	160	0	1	138	0	0	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0.01696
53	1	142	226	0	0	111	1	0	0	1	1	0	0	0	0	0	0	1	0	0	1	0	0.697722
62	0	140	394	0	0	157	0	1.2	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0.408363
52	1	108	233	1	1	147	0	0.1	3	1	1	0	0	0	0	0	0	1	0	0	1	0	0.563597
43	1	130	315	0	1	162	0	1.9	1	1	0	0	1	0	0	0	1	0	0	0	1	0	0.509941
53	1	130	246	1	0	173	0	0	3	1	0	0	1	0	0	0	1	0	0	0	1	0	0.038001
42	1	148	244	0	0	178	0	0.8	2	1	0	0	0	1	0	0	1	0	0	0	1	0	0.280104
59	1	178	270	0	0	145	0	4.2	0	1	0	0	0	1	0	0	0	1	1	0	0	0	0.698748
42	1	120	240	1	1	194	0	0.8	0	1	0	0	1	0	0	0	0	1	1	0	0	0	0.084794
50	1	129	196	0	1	163	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0.012296
68	0	120	211	0	0	115	0	1.5	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0.017304

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slope_0	slope_1	slope_2		Response Value										Estimated Probability		
69	1	160	234	1	0	131	0	0.1	1	1	0	0	0	1	0	0	1
0	0	1	0		0												0.395281
45	0	138	236	0	0	152	1	0.2	0	1	1	0	0	0	0	0	1
0	0	1	0		0												0.252575
50	0	120	244	0	1	162	0	1.1	0	1	0	1	0	0	0	0	1
0	0	0	1		0												0.01169
50	0	110	254	0	0	159	0	0	0	1	1	0	0	0	0	0	1
0	0	0	1		0												0.020891
64	0	180	325	0	1	154	1	0	0	1	1	0	0	0	0	0	1
0	0	0	1		0												0.194971
57	1	150	126	1	1	173	0	0.2	1	1	0	0	1	0	0	0	0
1	0	0	1		0												0.260657
64	0	140	313	0	1	133	0	0.2	0	1	0	0	1	0	0	0	0
1	0	0	1		0												0.020055
43	1	110	211	0	1	161	0	0	0	1	1	0	0	0	0	0	0
1	0	0	1		0												0.310287
41	1	130	214	0	0	168	0	2	0	1	0	0	1	0	0	0	1
0	0	1	0		0												0.146351
46	0	105	204	0	1	172	0	0	0	1	0	1	0	0	0	0	1
0	0	0	1		0												0.003885
46	0	138	243	0	0	152	1	0	0	1	1	0	0	0	0	0	1
0	0	1	0		0												0.241697
64	0	130	303	0	1	122	0	2	2	1	1	0	0	0	0	0	1
0	0	1	0		0												0.91311
59	1	138	271	0	0	182	0	0	0	1	1	0	0	0	0	0	1
0	0	0	1		0												0.198407
54	0	108	267	0	0	167	0	0	0	1	0	0	1	0	0	0	1
0	0	0	1		0												0.001802
39	0	94	199	0	1	179	0	0	0	1	0	0	1	0	0	0	1
0	0	0	1		0												0.000895
52	0	136	196	0	0	169	0	0.1	0	1	0	0	1	0	0	0	1
0	0	1	0		0												0.008624
49	0	134	271	0	1	162	0	0	0	1	0	1	0	0	0	0	1
0	0	1	0		0												0.0439

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slope_0	slope_1	slope_2	**Response Value**									**Estimated Probability**				
42	1	120	295	0	1	162	0	0	0	1	0	1	0	0	0	0	1
0	0	0	1	0									0.066245				
41	1	110	235	0	1	153	0	0	0	1	0	1	0	0	0	0	1
0	0	0	1	0									0.040525				
41	0	126	306	0	1	163	0	0	0	1	0	1	0	0	0	0	1
0	0	0	1	0									0.011557				
49	0	130	269	0	1	163	0	0	0	1	1	0	0	0	0	0	1
0	0	0	1	0									0.031855				
60	0	120	178	1	1	96	0	0	0	1	0	0	1	0	0	0	1
0	0	0	1	0									0.000937				
62	1	128	208	1	0	140	0	0	0	1	0	1	0	0	0	0	1
0	0	0	1	0									0.025753				
57	1	110	201	0	1	126	1	1.5	0	1	1	0	0	0	0	1	0
0	0	1	0	0									0.707056				
64	1	128	263	0	1	105	1	0.2	1	1	1	0	0	0	0	0	0
1	0	1	0	0									0.993549				
51	0	120	295	0	0	157	0	0.6	0	1	0	0	1	0	0	0	1
0	0	0	1	0									0.00383				
43	1	115	303	0	1	181	0	1.2	0	1	1	0	0	0	0	0	1
0	0	1	0	0									0.627101				
42	0	120	209	0	1	173	0	0	0	1	0	0	1	0	0	0	1
0	0	1	0	0									0.006749				
67	0	106	223	0	1	142	0	0.3	2	1	1	0	0	0	0	0	1
0	0	0	1	0									0.264161				
76	0	140	197	0	2	116	0	1.1	0	1	0	0	1	0	0	0	1
0	0	1	0	0									0.054292				
70	1	156	245	0	0	143	0	0	0	1	0	1	0	0	0	0	1
0	0	0	1	0									0.089497				
44	0	118	242	0	1	149	0	0.3	1	1	0	0	1	0	0	0	1
0	0	1	0	0									0.131108				
44	1	120	226	0	1	169	0	0	0	1	0	0	1	0	0	0	1
0	0	0	1	0									0.012583				
42	1	130	180	0	1	150	0	0	0	1	0	0	1	0	0	0	1
0	0	0	1	0									0.012409				

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slope_0	slope_1	slope_2		Response Value										Estimated Probability		
71	0	112	149	0	1	125	0	1.6	0	1	1	0	0	0	0	0	1
0	0	1	0		0												0.105304
64	1	170	227	0	0	155	0	0.6	0	1	0	0	0	1	0	0	0
1	0	1	0		0												0.298607
66	0	146	278	0	0	152	0	0	1	1	0	0	1	0	0	0	1
0	0	1	0		0												0.199178
39	0	138	220	0	1	152	0	0	0	1	0	0	1	0	0	0	1
0	0	1	0		0												0.011192
58	0	130	197	0	1	131	0	0.6	0	1	1	0	0	0	0	0	1
0	0	1	0		0												0.121
47	1	130	253	0	1	179	0	0	0	1	0	0	1	0	0	0	1
0	0	0	1		0												0.016816
58	1	125	220	0	1	144	0	0.4	4	1	0	1	0	0	0	0	0
1	0	1	0		0												0.302699
56	1	130	221	0	0	163	0	0	0	1	0	1	0	0	0	0	0
1	0	0	1		0												0.160786
56	1	120	240	0	1	169	0	0	0	1	0	1	0	0	0	0	1
0	1	0	0		0												0.099844
55	0	132	342	0	1	166	0	1.2	0	1	0	1	0	0	0	0	1
0	0	0	1		0												0.027129
41	1	120	157	0	1	182	0	0	0	1	0	1	0	0	0	0	1
0	0	0	1		0												0.025955
38	1	138	175	0	1	173	0	0	4	1	0	0	1	0	0	0	1
0	0	0	1		0												0.005522
38	1	138	175	0	1	173	0	0	4	1	0	0	1	0	0	0	1
0	0	0	1		0												0.005522
67	1	160	286	0	0	108	1	1.5	3	0	1	0	0	0	0	0	1
0	0	1	0		0												0.979624
67	1	120	229	0	0	129	1	2.6	2	0	1	0	0	0	0	0	0
1	0	1	0		0												0.997579
62	0	140	268	0	0	160	0	3.6	2	0	1	0	0	0	0	0	1
0	1	0	0		0												0.913088
63	1	130	254	0	0	147	0	1.4	1	0	1	0	0	0	0	0	0
1	0	1	0		0												0.990783

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slope_0	slope_1	slope_2	Response Value												Estimated Probability	
56	1	130	256	1	0	142	1	0.6	1	0	0	0	1	0	0	1	0
0	0	1	0	0													0.662316
48	1	110	229	0	1	168	0	1	0	0	0	1	0	0	0	0	0
1	1	0	0	0													0.358648
58	1	120	284	0	0	160	0	1.8	0	0	0	1	0	0	0	0	1
0	0	1	0	0													0.404054
58	1	132	224	0	0	173	0	3.2	2	0	0	0	1	0	0	0	0
1	0	0	1	0													0.838175
60	1	130	206	0	0	132	1	2.4	2	0	1	0	0	0	0	0	0
1	0	1	0	0													0.997445
40	1	110	167	0	0	114	1	2	0	0	1	0	0	0	0	0	0
1	0	1	0	0													0.915488
60	1	117	230	1	1	160	1	1.4	2	0	1	0	0	0	0	0	0
1	0	0	1	0													0.959094
64	1	140	335	0	1	158	0	0	0	0	0	0	1	0	0	0	1
0	0	0	1	0													0.034761
43	1	120	177	0	0	120	1	2.5	0	0	1	0	0	0	0	0	0
1	0	1	0	0													0.944598
57	1	150	276	0	0	112	1	0.6	1	0	1	0	0	0	0	1	0
0	0	1	0	0													0.987663
55	1	132	353	0	1	132	1	1.2	1	0	1	0	0	0	0	0	0
1	0	1	0	0													0.997736
65	0	150	225	0	0	114	0	1	3	0	1	0	0	0	0	0	0
1	0	1	0	0													0.8375
61	0	130	330	0	0	169	0	0	0	0	1	0	0	0	0	0	1
0	0	0	1	0													0.043604
58	1	112	230	0	0	165	0	2.5	1	0	0	0	1	0	0	0	0
1	0	1	0	0													0.901511
50	1	150	243	0	0	128	0	2.6	0	0	1	0	0	0	0	0	0
1	0	1	0	0													0.954451
44	1	112	290	0	0	153	0	0	1	0	1	0	0	0	0	0	1
0	0	0	1	0													0.753892
54	1	124	266	0	0	109	1	2.2	1	0	1	0	0	0	0	0	0
1	0	1	0	0													0.997548

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slope_0		slope_1		slope_2	Response Value								Estimated Probability			
50	1	140	233	0	1	163	0	0.6	1	0	0	0	1	0	0	0	0
1	0		1		0	0											0.861165
51	0	130	305	0	1	142	1	1.2	0	0	1	0	0	0	0	0	0
1	0		1		0	0											0.743286
58	1	128	216	0	0	131	1	2.2	3	0	1	0	0	0	0	0	0
1	0		1		0	0											0.988469
54	1	120	188	0	1	113	0	1.4	1	0	1	0	0	0	0	0	0
1	0		1		0	0											0.986113
60	1	145	282	0	0	142	1	2.8	2	0	1	0	0	0	0	0	0
1	0		1		0	0											0.99897
59	1	170	326	0	0	140	1	3.4	0	0	1	0	0	0	0	0	0
1	1		0		0	0											0.987893
46	1	150	231	0	1	147	0	3.6	0	0	0	0	1	0	0	0	1
0	0		1		0	0											0.395995
62	1	120	267	0	1	99	1	1.8	2	0	1	0	0	0	0	0	0
1	0		1		0	0											0.997581
65	1	110	248	0	0	158	0	0.6	2	0	1	0	0	0	0	1	0
0	0		0		1	0											0.781912
44	1	110	197	0	0	177	0	0	1	0	1	0	0	0	0	0	1
0	0		0		1	0											0.591358
60	1	125	258	0	0	141	1	2.8	1	0	1	0	0	0	0	0	0
1	0		1		0	0											0.997751
58	1	150	270	0	0	111	1	0.8	0	0	1	0	0	0	0	0	0
1	0		0		1	0											0.837943
52	1	128	255	0	1	161	1	0	1	0	1	0	0	0	0	0	0
1	0		0		1	0											0.960315
59	1	110	239	0	0	142	1	1.2	1	0	1	0	0	0	0	0	0
1	0		1		0	0											0.992636
60	0	150	258	0	0	157	0	2.6	2	0	1	0	0	0	0	0	0
1	0		1		0	0											0.980451
49	1	120	188	0	1	139	0	2	3	0	0	0	1	0	0	0	0
1	0		1		0	0											0.691124
59	1	140	177	0	1	162	1	0	1	0	1	0	0	0	0	0	0
1	0		0		1	0											0.94641

Numerical Variables - Univariate Analysis on oldpeak

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slope_0	slope_1	slope_2	Response Value												Estimated Probability	
57	1	128	229	0	0	150	0	0.4	1	0	0	0	1	0	0	0	0
1	0	1	0	0													0.821801
61	1	120	260	0	1	140	1	3.6	1	0	1	0	0	0	0	0	0
1	0	1	0	0													0.998353
39	1	118	219	0	1	140	0	1.2	0	0	1	0	0	0	0	0	0
1	0	1	0	0													0.830013
61	0	145	307	0	0	146	1	1	0	0	1	0	0	0	0	0	0
1	0	1	0	0													0.768526
56	1	125	249	1	0	144	1	1.2	1	0	1	0	0	0	0	0	1
0	0	1	0	0													0.964132
43	0	132	341	1	0	136	1	3	0	0	1	0	0	0	0	0	0
1	0	1	0	0													0.843191
63	1	130	330	1	0	132	1	1.8	3	0	1	0	0	0	0	0	0
1	0	0	1	0													0.948274
65	1	135	254	0	0	127	0	2.8	1	0	1	0	0	0	0	0	0
1	0	1	0	0													0.996146
48	1	130	256	1	0	150	1	0	2	0	1	0	0	0	0	0	0
1	0	0	1	0													0.950925
55	1	140	217	0	1	111	1	5.6	0	0	1	0	0	0	0	0	0
1	1	0	0	0													0.987884
65	1	138	282	1	0	174	0	1.4	1	0	0	0	0	1	0	0	1
0	0	1	0	0													0.484498
56	0	200	288	1	0	133	1	4	2	0	1	0	0	0	0	0	0
1	1	0	0	0													0.995446
54	1	110	239	0	1	126	1	2.8	1	0	1	0	0	0	0	0	0
1	0	1	0	0													0.996945
62	1	120	281	0	0	103	0	1.4	1	0	0	1	0	0	0	0	0
1	0	1	0	0													0.974846
35	1	120	198	0	1	130	1	1.6	0	0	1	0	0	0	0	0	0
1	0	1	0	0													0.923795
64	1	125	309	0	1	131	1	1.8	0	0	0	0	0	1	0	0	0
1	0	1	0	0													0.694116
47	1	108	243	0	1	152	0	0	0	0	0	0	1	0	0	0	1
0	0	0	1	0													0.012132

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slope_0	slope_1	slope_2		Response Value												Estimated Probability
57	1	165	289	1	0	124	0	1	3	0	1	0	0	0	0	0	0
1	0	1	0		0												0.975189
55	1	160	289	0	0	145	1	0.8	1	0	1	0	0	0	0	0	0
1	0	1	0		0												0.997353
64	1	120	246	0	0	96	1	2.2	1	0	1	0	0	0	0	0	1
0	1	0	0		0												0.980363
70	1	130	322	0	0	109	0	2.4	3	0	1	0	0	0	0	0	1
0	0	1	0		0												0.962587
60	1	140	293	0	0	170	0	1.2	2	0	1	0	0	0	0	0	0
1	0	1	0		0												0.994401
77	1	125	304	0	0	162	1	0	3	0	1	0	0	0	0	0	1
0	0	0	1		0												0.697083
35	1	126	282	0	0	156	1	0	0	0	1	0	0	0	0	0	0
1	0	0	1		0												0.680504
59	0	174	249	0	1	143	1	0	0	0	1	0	0	0	0	0	1
0	0	1	0		0												0.384959
64	1	145	212	0	0	132	0	2	2	0	1	0	0	0	0	1	0
0	0	1	0		0												0.981662
57	1	152	274	0	1	88	1	1.2	1	0	1	0	0	0	0	0	0
1	0	1	0		0												0.99787
56	1	132	184	0	0	105	1	2.1	1	0	1	0	0	0	0	1	0
0	0	1	0		0												0.985951
48	1	124	274	0	0	166	0	0.5	0	0	1	0	0	0	0	0	0
1	0	1	0		0												0.824578
56	0	134	409	0	0	150	1	1.9	2	0	1	0	0	0	0	0	0
1	0	1	0		0												0.993569
43	1	132	247	1	0	143	1	0.1	4	0	1	0	0	0	0	0	0
1	0	1	0		0												0.679006
62	0	138	294	1	1	106	0	1.9	3	0	1	0	0	0	0	0	1
0	0	1	0		0												0.599689
67	1	100	299	0	0	125	1	0.9	2	0	1	0	0	0	0	0	1
0	0	1	0		0												0.981019
45	1	142	309	0	0	147	1	0	3	0	1	0	0	0	0	0	0
1	0	1	0		0												0.984903

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slope_0	slope_1	slope_2		Response Value										Estimated Probability		
58	1	128	259	0	0	130	1	3	2	0	1	0	0	0	0	0	0
1	0	1	0		0												0.998624
50	1	144	200	0	0	126	1	0.9	0	0	1	0	0	0	0	0	0
1	0	1	0		0												0.928626
62	0	150	244	0	1	154	1	1.4	0	0	1	0	0	0	0	0	1
0	0	1	0		0												0.424792
38	1	120	231	0	1	182	1	3.8	0	0	0	0	0	1	0	0	0
1	0	1	0		0												0.637108
66	0	178	228	1	1	165	1	1	2	0	1	0	0	0	0	0	0
1	0	1	0		0												0.970467
52	1	112	230	0	1	160	0	0	1	0	1	0	0	0	0	0	1
0	0	0	1		0												0.659274
53	1	123	282	0	1	95	1	2	2	0	1	0	0	0	0	0	0
1	0	1	0		0												0.998214
63	0	108	269	0	1	169	1	1.8	2	0	1	0	0	0	0	0	1
0	0	1	0		0												0.896231
55	0	180	327	0	2	117	1	3.4	0	0	1	0	0	0	0	0	1
0	0	1	0		0												0.958082
54	1	122	286	0	0	116	1	3.2	2	0	1	0	0	0	0	0	1
0	0	1	0		0												0.995925
56	1	130	283	1	0	103	1	1.6	0	0	1	0	0	0	0	0	0
1	1	0	0		0												0.889211
46	1	120	249	0	0	144	0	0.8	0	0	1	0	0	0	0	0	0
1	0	0	1		0												0.52634
61	1	134	234	0	1	145	0	2.6	2	0	0	0	0	1	0	0	1
0	0	1	0		0												0.766056
67	1	120	237	0	1	71	0	1	0	0	1	0	0	0	0	0	1
0	0	1	0		0												0.629589
58	1	100	234	0	1	156	0	0.1	1	0	1	0	0	0	0	0	0
1	0	0	1		0												0.864222
47	1	110	275	0	0	118	1	1	1	0	1	0	0	0	0	0	1
0	0	1	0		0												0.979404
52	1	125	212	0	1	168	0	1	2	0	1	0	0	0	0	0	0
1	0	0	1		0												0.945092

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slope_0	slope_1	slope_2		Response Value											Estimated Probability	
58	1	146	218	0	1	105	0	2	1	0	1	0	0	0	0	0	0
1	0	1	0		0												0.994772
57	1	124	261	0	1	141	0	0.3	0	0	0	1	0	0	0	0	0
1	0	0	1		0												0.220733
61	1	138	166	0	0	125	1	3.6	1	0	1	0	0	0	0	0	1
0	0	1	0		0												0.992433
42	1	136	315	0	1	125	1	1.8	0	0	1	0	0	0	0	1	0
0	0	1	0		0												0.908483
52	1	128	204	1	1	156	1	1	0	0	1	0	0	0	1	0	0
0	0	1	0		0												0.999999
59	1	126	218	1	1	134	0	2.2	1	0	0	0	1	0	0	1	0
0	0	1	0		0												0.605134
40	1	152	223	0	1	181	0	0	0	0	1	0	0	0	0	0	0
1	0	0	1		0												0.488251
61	1	140	207	0	0	138	1	1.9	1	0	1	0	0	0	0	0	0
1	0	0	1		0												0.984151
59	1	134	204	0	1	162	0	0.8	2	0	0	0	0	1	0	0	1
0	0	0	1		0												0.189842
57	1	154	232	0	0	164	0	0	1	0	0	1	0	0	0	0	1
0	0	0	1		0												0.543473
57	1	110	335	0	1	143	1	3	1	0	1	0	0	0	0	0	0
1	0	1	0		0												0.998357
61	1	148	203	0	1	161	0	0	1	0	1	0	0	0	0	0	0
1	0	0	1		0												0.919492
58	1	114	318	0	2	140	0	4.4	3	0	1	0	0	0	0	1	0
0	1	0	0		0												0.987626
58	0	170	225	1	0	146	1	2.8	2	0	1	0	0	0	0	1	0
0	0	1	0		0												0.953441
67	1	152	212	0	0	150	0	0.8	0	0	0	0	1	0	0	0	0
1	0	1	0		0												0.342717
44	1	120	169	0	1	144	1	2.8	0	0	1	0	0	0	0	1	0
0	1	0	0		0												0.7069
63	0	124	197	0	1	136	1	0	0	0	1	0	0	0	0	0	1
0	0	1	0		0												0.155907

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
thal_3	slope_0	slope_1	slope_2		Response Value										Estimated Probability		
59	1	164	176	1	0	90	0	1	2	0	1	0	0	0	0	1	0
0	0	1	0		0												0.961015
45	1	110	264	0	1	132	0	1.2	0	0	0	0	0	1	0	0	0
1	0	1	0		0												0.226285
68	1	144	193	1	1	141	0	3.4	2	0	1	0	0	0	0	0	0
1	0	1	0		0												0.994472
57	1	130	131	0	1	115	1	1.2	1	0	1	0	0	0	0	0	0
1	0	1	0		0												0.991005
57	0	130	236	0	0	174	0	0	1	0	0	1	0	0	0	0	1
0	0	1	0		0												0.31194

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_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
41	0	130	204	0	0	172	0	1.4	0	.	0	1	0	0	0	0	1	0	0	0	1		1	0.012517	0.987483
44	1	120	263	0	1	173	0	0	0	.	0	1	0	0	0	0	0	1	0	0	1		1	0.171314	0.828686
54	1	140	239	0	1	160	0	1.2	0	.	1	0	0	0	0	0	1	0	0	0	1		1	0.299115	0.700885
58	0	150	283	1	0	162	0	1	0	.	0	0	0	1	0	0	1	0	0	0	1		1	0.002299	0.997701
50	0	120	219	0	1	158	0	1.6	0	.	0	0	1	0	0	0	1	0	0	1	0		1	0.016492	0.983508
43	1	150	247	0	1	171	0	1.5	0	.	1	0	0	0	0	0	1	0	0	0	1		1	0.381976	0.618024
42	1	140	226	0	1	178	0	0	0	.	1	0	0	0	0	0	1	0	0	0	1		1	0.171624	0.828376
44	1	130	219	0	0	188	0	0	0	.	0	1	0	0	0	0	1	0	0	0	1		1	0.044065	0.955935
54	1	125	273	0	0	152	0	0.5	1	.	0	0	1	0	0	0	1	0	1	0	0		1	0.471606	0.528394
52	1	120	325	0	1	172	0	0.2	0	.	0	1	0	0	0	0	1	0	0	0	1		1	0.080131	0.919869
53	0	128	216	0	0	115	0	0	0	.	0	0	1	0	1	0	0	0	0	0	1		0	0.999648	0.000352
66	1	120	302	0	0	151	0	0.4	0	.	1	0	0	0	0	0	1	0	0	1	0		0	0.5679	0.4321
44	0	108	141	0	1	175	0	0.6	0	.	0	0	1	0	0	0	1	0	0	1	0		1	0.004661	0.995339
57	0	128	303	0	0	159	0	0	1	.	1	0	0	0	0	0	1	0	0	0	1		1	0.361845	0.638155
51	1	100	222	0	1	143	1	1.2	0	.	0	0	1	0	0	0	1	0	0	1	0		1	0.137618	0.862382
44	1	120	220	0	1	170	0	0	0	.	0	1	0	0	0	0	1	0	0	0	1		1	0.040163	0.959837
29	1	130	204	0	0	202	0	0	0	.	0	1	0	0	0	0	1	0	0	0	1		1	0.039769	0.960231

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
43	0	122	213	0	1	165	0	0.2	0	.	0	0	1	0	0	0	1
68	1	118	277	0	1	151	0	1	1	.	0	0	1	0	0	0	0
57	1	132	207	0	1	168	1	0	0	.	1	0	0	0	0	0	0
63	0	140	195	0	1	179	0	0	2	.	0	1	0	0	0	0	1
55	1	130	262	0	1	155	0	0	0	.	0	1	0	0	0	0	1
37	0	120	215	0	1	170	0	0	0	.	0	0	1	0	0	0	1
56	1	120	193	0	0	162	0	1.9	0	.	0	0	0	1	0	0	0
41	0	112	268	0	0	172	1	0	0	.	0	0	1	0	0	0	1
34	0	118	210	0	1	192	0	0.7	0	.	0	1	0	0	0	0	1
47	1	112	204	0	1	143	0	0.1	0	.	1	0	0	0	0	0	1
67	0	152	277	0	1	172	0	0	1	.	0	0	1	0	0	0	1
74	0	120	269	0	0	121	1	0.2	1	.	0	1	0	0	0	0	1
54	0	160	201	0	1	163	0	0	1	.	0	0	1	0	0	0	1
60	0	150	240	0	1	171	0	0.9	0	.	0	0	0	1	0	0	1
66	1	160	228	0	0	138	0	2.3	0	.	1	0	0	0	0	1	0
35	1	122	192	0	1	174	0	0	0	.	0	1	0	0	0	0	1
53	1	140	203	1	0	155	1	3.1	0	.	1	0	0	0	0	0	0

thal_3	slope_0	slope_1	slope_2	From: target	Into: target	Predicted Probability: target=0	Predicted Probability: target=1
0	0	1	0		1	0.008204	0.991796
1	0	0	1		0	0.604547	0.395453
1	0	0	1		0	0.557548	0.442452
0	0	0	1		1	0.105951	0.894049
0	0	0	1		1	0.063434	0.936566
0	0	0	1		1	0.001671	0.998329
1	0	1	0		1	0.208533	0.791467
0	0	0	1		1	0.004203	0.995797
0	0	0	1		1	0.006857	0.993143
0	0	0	1		1	0.116965	0.883035
0	0	0	1		1	0.053488	0.946512
0	0	0	1		1	0.232111	0.767889
0	0	0	1		1	0.042175	0.957825
0	0	0	1		1	0.002883	0.997117
0	0	0	1		0	0.514234	0.485766
0	0	0	1		1	0.035489	0.964511
1	1	0	0		0	0.905142	0.094858

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_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
60	1	130	253	0	1	144	1	1.4	1	.	1	0	0	0	0	0	0	1	0	0	1		0	0.981273	0.018727
41	1	110	172	0	0	158	0	0	0	.	1	0	0	0	0	0	0	1	0	0	1		1	0.265573	0.734427
60	1	140	185	0	0	155	0	3	0	.	0	0	1	0	0	0	1	0	0	1	0		1	0.217547	0.782453
67	1	125	254	1	1	163	0	0.2	2	.	1	0	0	0	0	0	0	1	0	1	0		0	0.971895	0.028105
68	1	180	274	1	0	150	1	1.6	0	.	0	0	1	0	0	0	0	1	0	1	0		0	0.685509	0.314491
62	0	160	164	0	0	145	0	6.2	3	.	1	0	0	0	0	0	0	1	1	0	0		0	0.964198	0.035802
62	0	130	263	0	1	97	0	1.2	1	.	0	0	1	0	0	0	0	1	0	1	0		0	0.605692	0.394308
63	0	150	407	0	0	154	0	4	3	.	1	0	0	0	0	0	0	1	0	1	0		0	0.983933	0.016067
70	1	145	174	0	1	125	1	2.6	0	.	1	0	0	0	0	0	0	1	1	0	0		0	0.930627	0.069373
59	1	170	288	0	0	159	0	0.2	0	.	0	0	0	1	0	0	0	1	0	1	0		1	0.34031	0.65969
51	1	140	299	0	1	173	1	1.6	0	.	1	0	0	0	0	0	0	1	0	0	1		0	0.853447	0.146553
58	1	125	300	0	0	171	0	0	2	.	1	0	0	0	0	0	0	1	0	0	1		0	0.947086	0.052914
70	1	160	269	0	1	112	1	2.9	1	.	0	0	1	0	0	0	0	1	0	1	0		0	0.988793	0.011207
66	1	160	246	0	1	120	1	0	3	.	0	1	0	0	0	1	0	0	0	1	0		0	0.828221	0.171779
54	1	192	283	0	0	195	0	0	1	.	0	1	0	0	0	0	0	1	0	0	1		0	0.915797	0.084203
69	1	140	254	0	0	146	0	2	3	.	0	0	1	0	0	0	0	1	0	1	0		0	0.816137	0.183863
51	1	140	298	0	1	122	1	4.2	3	.	1	0	0	0	0	0	0	1	0	1	0		0	0.998076	0.001924

age	sex	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	ca	target	cp_0	cp_1	cp_2	cp_3	thal_0	thal_1	thal_2
59	1	160	273	0	0	125	0	0	0	.	0	0	0	1	0	0	1
54	1	110	206	0	0	108	1	0	1	.	1	0	0	0	0	0	1
66	1	112	212	0	0	132	1	0.1	1	.	1	0	0	0	0	0	1
49	1	118	149	0	0	126	0	0.8	3	.	0	0	1	0	0	0	1
58	0	136	319	1	0	152	0	0	2	.	0	1	0	0	0	0	1
46	1	140	311	0	1	120	1	1.8	2	.	1	0	0	0	0	0	0
55	0	128	205	0	2	130	1	2	1	.	1	0	0	0	0	0	0
63	1	140	187	0	0	144	1	4	2	.	1	0	0	0	0	0	0
57	0	140	241	0	1	123	1	0.2	0	.	1	0	0	0	0	0	0

thal_3	slope_0	slope_1	slope_2	From: target	Into: target	Predicted Probability: target=0	Predicted Probability: target=1
0	0	0	1		1	0.024533	0.975467
0	0	1	0		0	0.949928	0.050072
0	0	0	1		0	0.807137	0.192863
0	0	0	1		1	0.05651	0.94349
0	0	0	1		1	0.134341	0.865659
1	0	1	0		0	0.998676	0.001324
1	0	1	0		0	0.990496	0.009504
1	0	0	1		0	0.994932	0.005068
1	0	1	0		0	0.599881	0.400119

Directory	
Libref	WORK
Engine	V9
Physical Name	/saswork/SAS_workA55B0000BC96_odaws02-euw1.oda.sas.com/SAS_workFBA50000BC96_odaws02-euw1.oda.sas.com
Filename	/saswork/SAS_workA55B0000BC96_odaws02-euw1.oda.sas.com/SAS_workFBA50000BC96_odaws02-euw1.oda.sas.com
Inode Number	1803419
Access Permission	rwx------
Owner Name	u63665225
File Size	4KB
File Size (bytes)	4096

#	Name	Member Type	File Size	Last Modified
1	TEST	DATA	256KB	28/07/2024 19:05:09
2	TEST1	DATA	256KB	28/07/2024 19:05:11
3	TEST1_SELECT	DATA	256KB	28/07/2024 19:05:13
4	TEST_PREDICTIONS	DATA	256KB	28/07/2024 19:05:15
5	TEST_TEST	DATA	256KB	28/07/2024 19:05:13
6	TEST_TRAIN	DATA	256KB	28/07/2024 19:05:13
7	TEST_TRAIN_LRMODEL	DATA	256KB	28/07/2024 19:05:13
8	TEST_TRAIN_LRMODEL_OUTPUT	DATA	256KB	28/07/2024 19:05:13