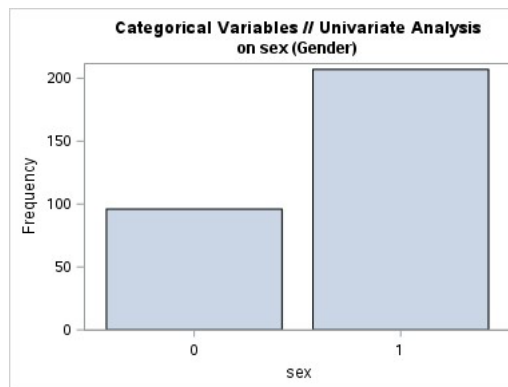


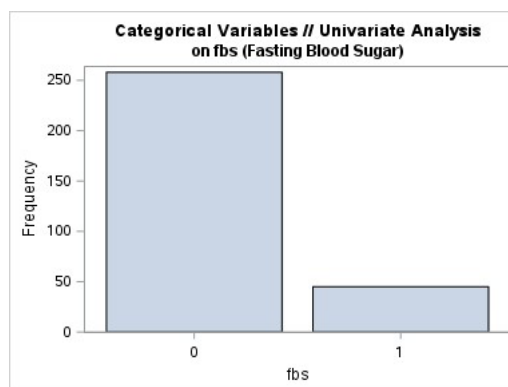
The FREQ Procedure

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 cp (Chest Pain Type)

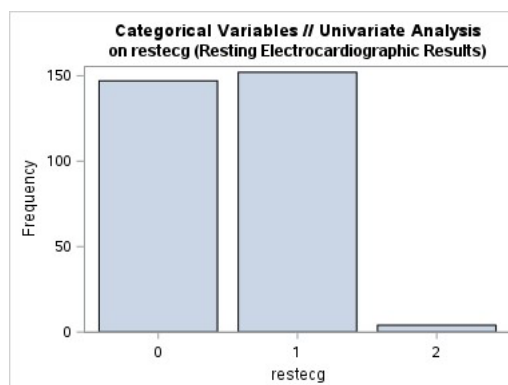
The FREQ Procedure

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)

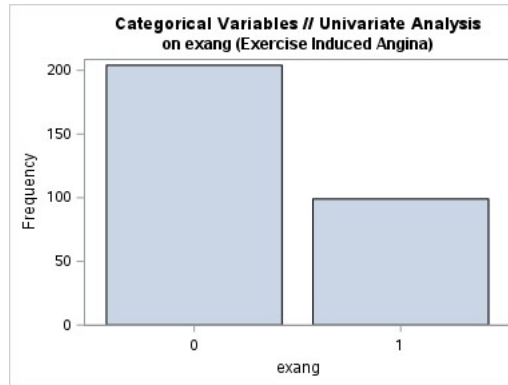
The FREQ Procedure

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

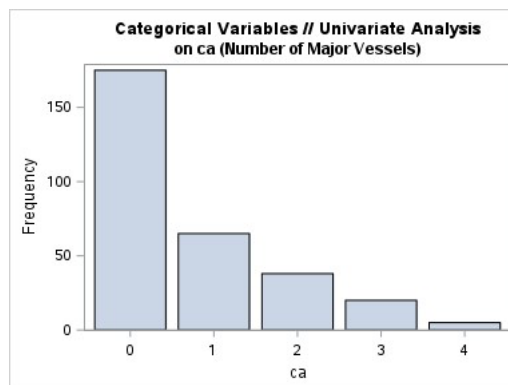
exang	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	204	67.33	204	67.33
1	99	32.67	303	100.00



**Categorical Variables // Univariate Analysis
on slope (Slope of the Peak Exercise)**

The FREQ Procedure

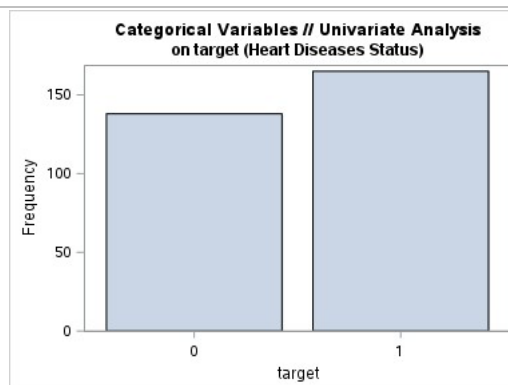
ca	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	175	57.76	175	57.76
1	65	21.45	240	79.21
2	38	12.54	278	91.75
3	20	6.60	298	98.35
4	5	1.65	303	100.00



**Categorical Variables // Univariate Analysis
on 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

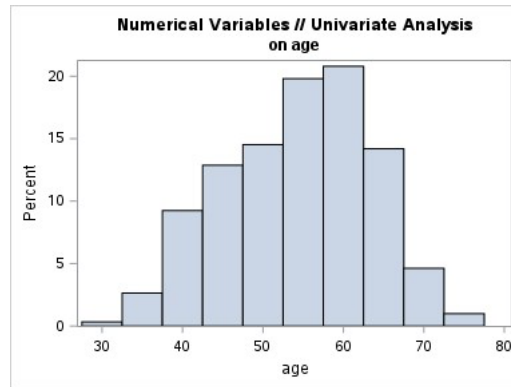


on age

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

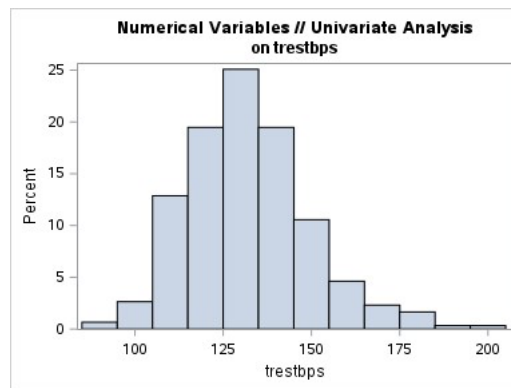


Numerical Variables // Univariate Analysis
on trestbps

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

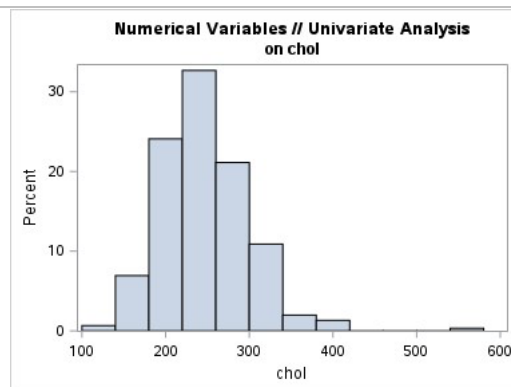


Numerical Variables // Univariate Analysis
on chol

The MEANS Procedure

Analysis Variable : chol

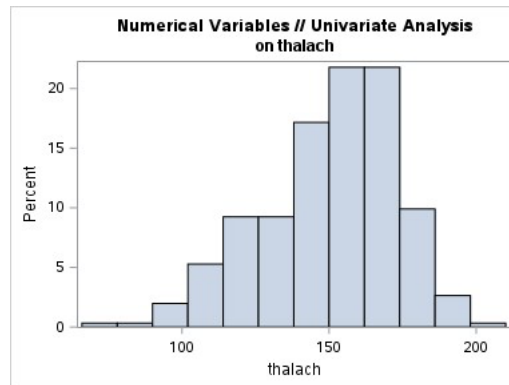
N	N Miss	Minimum	Maximum	Mean	Median	Std Dev
303	0	126.0000000	564.0000000	246.2640264	240.0000000	51.8307510



Numerical Variables // Univariate Analysis
on thalach

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

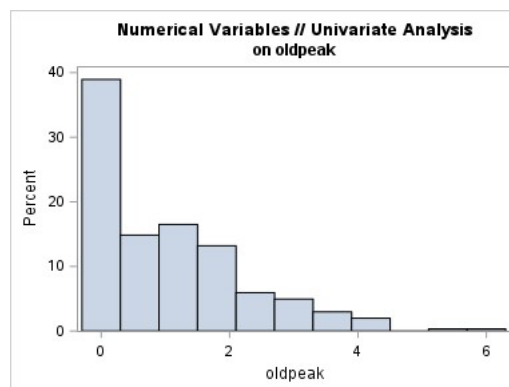


Numerical Variables // Univariate Analysis on oldpeak

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 SURVEYSELECT Procedure

Selection Method	Simple Random Sampling
Input Data Set	IMPORT
Random Number Seed	111144404
Sampling Rate	0.8
Sample Size	243
Selection Probability	0.80198
Sampling Weight	0
Output Data Set	IMPORT_SELECT

Numerical Variables // Univariate Analysis on oldpeak

The LOGISTIC Procedure

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	243
Number of Observations Used	243
Response Profile	

Results: Program 2

Ordered Value	target	Total Frequency
1	0	110
2	1	133

Probability modeled is target='0'.

Class Level Information					
Class	Value	Design Variables			
sex	0	1			
	1	-1			
cp_0	0				
cp_1	0				
cp_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				
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	336.689	224.972
SC	340.182	277.368
-2 Log L	334.689	194.972

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	139.7172	14	<.0001
Score	110.3759	14	<.0001
Wald	65.1037	14	<.0001

Results: Program 2

Type 3 Analysis of Effects			
Effect	D F	Wald Chi- Square	Pr > ChiSq
age	1	2.2372	0.1347
sex	1	12.4655	0.0004
cp_0	0	.	.
cp_1	0	.	.
cp_2	0	.	.
cp_3	0	.	.
trestbps	1	4.6932	0.0303
chol	1	3.0070	0.0829
fbs	1	2.0715	0.1501
restecg	2	1.6814	0.4314
thalach	1	8.5212	0.0035
Type 3 Analysis of Effects			
Effect	D F	Wald Chi-Square	Pr > ChiSq
exang	1	15.1201	0.0001
oldpeak	1	3.2853	0.0699
slope_0	0	.	.
slope_1	0	.	.
slope_2	0	.	.
ca	4	32.9616	<.0001
thal_0	0	.	.
thal_1	0	.	.
thal_2	0	.	.
thal_3	0	.	.

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi- Square	Pr > ChiSq
Intercept		1	1.6579	2.5231	0.4318	0.5111
age		1	-0.0367	0.0245	2.2372	0.1347
sex	0	1	-0.8209	0.2325	12.4655	0.0004
trestbps		1	0.0235	0.0109	4.6932	0.0303
chol		1	0.00680	0.00392	3.0070	0.0829
fbs	0	1	0.3862	0.2684	2.0715	0.1501
restecg	0	1	0.0509	0.7649	0.0044	0.9470
restecg	1	1	-0.4376	0.7583	0.3329	0.5639
thalach		1	-0.0297	0.0102	8.5212	0.0035
exang	0	1	-0.8089	0.2080	15.1201	0.0001
oldpeak		1	0.3265	0.1801	3.2853	0.0699
ca	0	1	-1.5170	0.4017	14.2625	0.0002
ca	1	1	0.3451	0.4600	0.5630	0.4530
ca	2	1	1.9346	0.6140	9.9281	0.0016
ca	3	1	0.7409	0.6764	1.1999	0.2733

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
age	0.964	0.919	1.011
sex 0 vs 1	0.194	0.078	0.482
trestbps	1.024	1.002	1.046

Results: Program 2

chol	1.007	0.999	1.015
fbs 0 vs 1	2.165	0.756	6.199
restecg 0 vs 2	0.715	0.009	55.666
restecg 1 vs 2	0.439	0.006	33.706
thalach	0.971	0.952	0.990
exang 0 vs 1	0.198	0.088	0.448
oldpeak	1.386	0.974	1.973
ca 0 vs 4	0.987	0.068	14.249
ca 1 vs 4	6.352	0.402	100.266
ca 2 vs 4	31.132	1.583	612.150
ca 3 vs 4	9.436	0.446	199.510

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	89.8	Somers' D	0.796
Percent Discordant	10.2	Gamma	0.796
Percent Tied	0.0	Tau-a	0.396
Pairs	14630	c	0.898

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	0	0	0	0	0	0	0	0	0	0.232498
37	1	130	250	0	1	187	0	3.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.289063
56	1	120	236	0	1	178	0	0.8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.072976
57	0	120	354	0	1	163	1	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.194502
57	1	140	192	0	1	148	0	0.4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.16143
56	0	140	294	0	0	153	0	1.3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.127248
44	1	120	263	0	1	173	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.115964
52	1	172	199	1	1	162	0	0.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.139606
57	1	150	168	0	1	174	0	1.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.12404
64	1	110	211	0	0	144	1	1.8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.549995
50	0	120	219	0	1	158	0	1.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.038245
58	0	120	340	0	1	172	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.025745
66	0	150	226	0	1	114	0	2.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.193685
69	0	140	239	0	1	151	0	1.8	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0.601025
44	1	130	233	0	1	179	1	0.4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.39428
42	1	140	226	0	1	178	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.131598
61	1	150	243	1	1	137	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.538703
40	1	140	199	0	1	178	1	1.4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.519438
59	1	150	212	1	1	157	0	1.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.119491

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
51	1	110	175	0	1	123	0	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.191166
53	1	130	197	1	0	152	0	1.2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.136606
65	1	120	177	0	1	140	0	0.4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.093097
44	1	130	219	0	0	188	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.113917
51	1	125	213	0	0	125	1	1.4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.965746
46	0	142	177	0	0	160	1	1.4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.296473
54	0	135	304	1	1	170	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.016439
54	1	150	232	0	0	165	0	1.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.342012
65	0	160	360	0	0	151	0	0.8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.191517

Results: Program 2

51	0	140	308	0	0	142	0	1.5	1	1	0	0	0	0	0	0	0	0	0	0	0	0.64719
48	1	130	245	0	0	180	0	0.2	0	1	0	0	0	0	0	0	0	0	0	0	0	0.152035
45	1	104	208	0	0	148	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0.732816
39	1	140	321	0	0	182	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.318338
52	1	120	325	0	1	172	0	0.2	0	1	0	0	0	0	0	0	0	0	0	0	0	0.140851
44	1	140	235	0	0	180	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.186951
47	1	138	257	0	0	156	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.317417
53	0	128	216	0	0	115	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.127255
53	0	138	234	0	0	160	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.052032
51	0	130	256	0	0	149	0	0.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0.084837
66	1	120	302	0	0	151	0	0.4	0	1	0	0	0	0	0	0	0	0	0	0	0	0.213942
62	1	130	231	0	1	146	0	1.8	3	1	0	0	0	0	0	0	0	0	0	0	0	0.725732
44	0	108	141	0	1	175	0	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0.009489
63	0	135	252	0	0	172	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.027296
52	1	134	201	0	1	158	0	0.8	1	1	0	0	0	0	0	0	0	0	0	0	0	0.537884
45	1	115	260	0	0	185	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.111706
34	1	118	182	0	0	174	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.141449
57	0	128	303	0	0	159	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.284197
71	0	110	265	1	0	130	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.115948
54	1	108	309	0	1	156	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.134295
52	1	118	186	0	0	190	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.051625
41	1	135	203	0	1	132	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.318674
58	1	140	211	1	0	165	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.077701
51	1	100	222	0	1	143	1	1.2	0	1	0	0	0	0	0	0	0	0	0	0	0	0.465569
45	0	130	234	0	0	175	0	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0.045374
44	1	120	220	0	1	170	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.096696
62	0	124	209	0	1	163	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.013264
54	1	120	258	0	0	147	0	0.4	0	1	0	0	0	0	0	0	0	0	0	0	0	0.260825
51	1	94	227	0	1	154	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.710721
29	1	130	204	0	0	202	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.117277
51	1	125	245	1	0	166	0	2.4	0	1	0	0	0	0	0	0	0	0	0	0	0	0.170045
59	1	140	221	0	1	164	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.374887
52	1	128	205	1	1	184	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.025851
58	1	105	240	0	0	154	1	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0.453055
41	1	112	250	0	1	179	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.085035
45	1	128	308	0	0	170	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.269665
60	0	102	318	0	1	160	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.112858
42	0	102	265	0	0	122	0	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0.140309
67	0	115	564	0	0	160	0	1.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0.232911
68	1	118	277	0	1	151	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.494491
46	1	101	197	1	1	156	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.036665
54	0	110	214	0	1	158	0	1.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0.025561
58	0	100	248	0	0	122	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0.080805
48	1	124	255	1	1	175	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0.618158
57	1	132	207	0	1	168	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.301524
52	1	138	223	0	1	169	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0.114993
53	1	142	226	0	0	111	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.864152
62	0	140	394	0	0	157	0	1.2	0	1	0	0	0	0	0	0	0	0	0	0	0	0.165593
52	1	108	233	1	1	147	0	0.1	3	1	0	0	0	0	0	0	0	0	0	0	0	0.372469
43	1	130	315	0	1	162	0	1.9	1	1	0	0	0	0	0	0	0	0	0	0	0	0.802665
53	1	130	246	1	0	173	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0.433519
59	1	178	270	0	0	145	0	4.2	0	1	0	0	0	0	0	0	0	0	0	0	0	0.820796

Results: Program 2

63	0	140	195	0	1	179	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0.25209
42	1	120	240	1	1	194	0	0.8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.037388
50	1	129	196	0	1	163	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.099915
68	0	120	211	0	0	115	0	1.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.099033
69	1	160	234	1	0	131	0	0.1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.65767
45	0	138	236	0	0	152	1	0.2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.337339
50	0	110	254	0	0	159	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.036058
64	0	180	325	0	1	154	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.403343
57	1	150	126	1	1	173	0	0.2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.171088
43	1	110	211	0	1	161	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.097316
55	1	130	262	0	1	155	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.158139
37	0	120	215	0	1	170	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.025245
56	1	120	193	0	0	162	0	1.9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.180655
46	0	105	204	0	1	172	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.011309
64	0	130	303	0	1	122	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0.847889
59	1	138	271	0	0	182	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.132191
41	0	112	268	0	0	172	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.170586
54	0	108	267	0	0	167	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.025867

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
39	0	94	199	0	1	179	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.008884
34	0	118	210	0	1	192	0	0.7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.017148
47	1	112	204	0	1	143	0	0.1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.140873
67	0	152	277	0	1	172	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.144761
52	0	136	196	0	0	169	0	0.1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.032127
54	0	160	201	0	1	163	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.204099
49	0	134	271	0	1	162	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.04124
42	1	120	295	0	1	162	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.195583
41	1	110	235	0	1	153	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.147584
49	0	130	269	0	1	163	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.036137
62	1	128	208	1	0	140	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.101377
57	1	110	201	0	1	126	1	1.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.583427
64	1	128	263	0	1	105	1	0.2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.951926
51	0	120	295	0	0	157	0	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.072205
42	0	120	209	0	1	173	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.018584
67	0	106	223	0	1	142	0	0.3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0.34327
76	0	140	197	0	2	116	0	1.1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.124525
70	1	156	245	0	0	143	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.292888
44	0	118	242	0	1	149	0	0.3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.233104
60	0	150	240	0	1	171	0	0.9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.033674
44	1	120	226	0	1	169	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.103026
42	1	130	180	0	1	150	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.167364
66	1	160	228	0	0	138	0	2.3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.535735
71	0	112	149	0	1	125	0	1.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.0246
64	1	170	227	0	0	155	0	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.351101
66	0	146	278	0	0	152	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.311655
39	0	138	220	0	1	152	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.060917
58	0	130	197	0	1	131	0	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.049361
47	1	130	253	0	1	179	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.104165
35	1	122	192	0	1	174	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.102816
58	1	125	220	0	1	144	0	0.4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0.152515

Results: Program 2

56	1	130	221	0	0	163	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.149785
56	1	120	240	0	1	169	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.075234
41	1	120	157	0	1	182	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.051732
38	1	138	175	0	1	173	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0.122152
67	1	160	286	0	0	108	1	1.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.99334
67	1	120	229	0	0	129	1	2.6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.990108
62	0	140	268	0	0	160	0	3.6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.841944
63	1	130	254	0	0	147	0	1.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.735972
56	1	130	256	1	0	142	1	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.883684
48	1	110	229	0	1	168	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10252
58	1	120	284	0	0	160	0	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.280877
58	1	132	224	0	0	173	0	3.2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.921125
40	1	110	167	0	0	114	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.850281
64	1	140	335	0	1	158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.204298
57	1	150	276	0	0	112	1	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.986075
55	1	132	353	0	1	132	1	1.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.972004
65	0	150	225	0	0	114	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.695844
61	0	130	330	0	0	169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.047489
50	1	150	243	0	0	128	0	2.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.729294
60	1	130	253	0	1	144	1	1.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.912665
50	1	140	233	0	1	163	0	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.591525
41	1	110	172	0	0	158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.136851
58	1	128	216	0	0	131	1	2.2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.974727
54	1	120	188	0	1	113	0	1.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.766961
60	1	145	282	0	0	142	1	2.8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.995894
60	1	140	185	0	0	155	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.337279
59	1	170	326	0	0	140	1	3.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.961539
67	1	125	254	1	1	163	0	0.2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.555511
65	1	110	248	0	0	158	0	0.6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.808809
44	1	110	197	0	0	177	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3815
68	1	180	274	1	0	150	1	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.752876
62	0	160	164	0	0	145	0	6.2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.823
52	1	128	255	0	1	161	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.838235
59	1	110	239	0	0	142	1	1.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.908866
49	1	120	188	0	1	139	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.767652
59	1	140	177	0	1	162	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.752339
61	1	120	260	0	1	140	1	3.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.950693
39	1	118	219	0	1	140	0	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.305047
61	0	145	307	0	0	146	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.456256
56	1	125	249	1	0	144	1	1.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.880704
43	0	132	341	1	0	136	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.642657
62	0	130	263	0	1	97	0	1.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.60119
63	1	130	330	1	0	132	1	1.8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.966373
48	1	130	256	1	0	150	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.970039
63	0	150	407	0	0	154	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.873362
55	1	140	217	0	1	111	1	5.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.952964
65	1	138	282	1	0	174	0	1.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.439574
56	0	200	288	1	0	133	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.994609
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
54	1	110	239	0	1	126	1	2.8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9522
70	1	145	174	0	1	125	1	2.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.708738

Results: Program 2

35	1	120	198	0	1	130	1	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0.781187
59	1	170	288	0	0	159	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.434008
47	1	108	243	0	1	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.126007
57	1	165	289	1	0	124	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0.92285
55	1	160	289	0	0	145	1	0.8	1	0	0	0	0	0	0	0	0	0	0	0	0	0.976879
70	1	130	322	0	0	109	0	2.4	3	0	0	0	0	0	0	0	0	0	0	0	0	0.956059
51	1	140	299	0	1	173	1	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0.638224
58	1	125	300	0	0	171	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0.861041
60	1	140	293	0	0	170	0	1.2	2	0	0	0	0	0	0	0	0	0	0	0	0	0.922555
77	1	125	304	0	0	162	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0.863582
35	1	126	282	0	0	156	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.764873
70	1	160	269	0	1	112	1	2.9	1	0	0	0	0	0	0	0	0	0	0	0	0	0.985708
59	0	174	249	0	1	143	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.368259
57	1	152	274	0	1	88	1	1.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0.991101
56	1	132	184	0	0	105	1	2.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.98102
48	1	124	274	0	0	166	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0.240551
56	0	134	409	0	0	150	1	1.9	2	0	0	0	0	0	0	0	0	0	0	0	0	0.983195
54	1	192	283	0	0	195	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.755978
69	1	140	254	0	0	146	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0.840483
51	1	140	298	0	1	122	1	4.2	3	0	0	0	0	0	0	0	0	0	0	0	0	0.994406
43	1	132	247	1	0	143	1	0.1	4	0	0	0	0	0	0	0	0	0	0	0	0	0.61034
59	1	160	273	0	0	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.584265
58	1	128	259	0	0	130	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0.995633
50	1	144	200	0	0	126	1	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0.842845
62	0	150	244	0	1	154	1	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.246436
38	1	120	231	0	1	182	1	3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0.637118
66	0	178	228	1	1	165	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0.818796
52	1	112	230	0	1	160	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.38003
53	1	123	282	0	1	95	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0.997197
63	0	108	269	0	1	169	1	1.8	2	0	0	0	0	0	0	0	0	0	0	0	0	0.762117
54	1	110	206	0	0	108	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.946625
66	1	112	212	0	0	132	1	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.863442
49	1	118	149	0	0	126	0	0.8	3	0	0	0	0	0	0	0	0	0	0	0	0	0.7966
54	1	122	286	0	0	116	1	3.2	2	0	0	0	0	0	0	0	0	0	0	0	0	0.997759
56	1	130	283	1	0	103	1	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0.862047
46	1	120	249	0	0	144	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0.356658
61	1	134	234	0	1	145	0	2.6	2	0	0	0	0	0	0	0	0	0	0	0	0	0.931431
67	1	120	237	0	1	71	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.574566
58	1	100	234	0	1	156	0	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.307164
47	1	110	275	0	0	118	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.974197
52	1	125	212	0	1	168	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0.797856
58	1	146	218	0	1	105	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0.908345
57	1	124	261	0	1	141	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.200961
58	0	136	319	1	0	152	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0.58935
61	1	138	166	0	0	125	1	3.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0.975332
42	1	136	315	0	1	125	1	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0.916925
52	1	128	204	1	1	156	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.297076
40	1	152	223	0	1	181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.162398
61	1	140	207	0	0	138	1	1.9	1	0	0	0	0	0	0	0	0	0	0	0	0	0.955313
46	1	140	311	0	1	120	1	1.8	2	0	0	0	0	0	0	0	0	0	0	0	0	0.997326
59	1	134	204	0	1	162	0	0.8	2	0	0	0	0	0	0	0	0	0	0	0	0	0.800012
57	1	154	232	0	0	164	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.668007

Results: Program 2

57	1	110	335	0	1	143	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.956698
55	0	128	205	0	2	130	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.875475
61	1	148	203	0	1	161	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45381
58	0	170	225	1	0	146	1	2.8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.962043
44	1	120	169	0	1	144	1	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.673057
63	1	140	187	0	0	144	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.992968
63	0	124	197	0	1	136	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.11826
59	1	164	176	1	0	90	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.978522
57	0	140	241	0	1	123	1	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.340184
45	1	110	264	0	1	132	0	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.33435
68	1	144	193	1	1	141	0	3.4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.871724
57	0	130	236	0	0	174	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.144683

Numerical Variables // Univariate Analysis
on oldpeak

																									Predicted Probability: target=0
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		
41	0	130	204	0	0	172	0	1.4	0	.	0	0	0	0	0	0	0	0	0	0	0		1		0.059895
54	1	140	239	0	1	160	0	1.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1		0.212003
48	0	130	275	0	1	139	0	0.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1		0.080986
49	1	130	266	0	1	171	0	0.6	0	.	0	0	0	0	0	0	0	0	0	0	0		1		0.153998
58	0	150	283	1	0	162	0	1	0	.	0	0	0	0	0	0	0	0	0	0	0		1		0.04854
43	1	150	247	0	1	171	0	1.5	0	.	0	0	0	0	0	0	0	0	0	0	0		1		0.299835

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Pro
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Results: Program 2

Results: Program 2																								
age	sex	trestbps	chol	fb	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
59	1	135	234	0	1	161	0	0.5	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.129416
71	0	160	302	0	1	162	0	0.4	2	.	0	0	0	0	0	0	0	0	0	0	0		0	0.611097
65	0	140	417	1	0	157	0	0.8	1	.	0	0	0	0	0	0	0	0	0	0	0		1	0.35165
41	0	105	198	0	1	168	0	0	1	.	0	0	0	0	0	0	0	0	0	0	0		1	0.087274
54	1	125	273	0	0	152	0	0.5	1	.	0	0	0	0	0	0	0	0	0	0	0		0	0.715949
65	0	155	269	0	1	148	0	0.8	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.070711
53	0	130	264	0	0	143	0	0.4	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.095175
48	1	122	222	0	0	186	0	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.090577
35	0	138	183	0	1	182	0	1.4	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.036514
51	1	140	261	0	0	186	1	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.472488
43	0	122	213	0	1	165	0	0.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.025919
55	0	135	250	0	0	161	0	1.4	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.075146
52	1	152	298	1	1	178	0	1.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.134416
54	0	132	288	1	0	159	1	0	1	.	0	0	0	0	0	0	0	0	0	0	0		0	0.505937
45	0	112	160	0	1	138	0	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.027655
42	1	148	244	0	0	178	0	0.8	2	.	0	0	0	0	0	0	0	0	0	0	0		0	0.932455
50	0	120	244	0	1	162	0	1.1	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.034332
64	0	140	313	0	1	133	0	0.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.087531
41	1	130	214	0	0	168	0	2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.325398
46	0	138	243	0	0	152	1	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.325288
74	0	120	269	0	0	121	1	0.2	1	.	0	0	0	0	0	0	0	0	0	0	0		0	0.699226
41	0	126	306	0	1	163	0	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.05557
60	0	120	178	1	1	96	0	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.034687
43	1	115	303	0	1	181	0	1.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.156324
55	0	132	342	0	1	166	0	1.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.065522
38	1	138	175	0	1	173	0	0	4	.	0	0	0	0	0	0	0	0	0	0	0		1	0.122152
53	1	140	203	1	0	155	1	3.1	0	.	0	0	0	0	0	0	0	0	0	0	0		0	0.641416

Results: Program 2

60	1	130	206	0	0	132	1	2.4	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0.991736
60	1	117	230	1	1	160	1	1.4	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0.902629
43	1	120	177	0	0	120	1	2.5	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0.871628
58	1	112	230	0	0	165	0	2.5	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0.609925
44	1	112	290	0	0	153	0	0	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0.71255
54	1	124	266	0	0	109	1	2.2	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0.986633
51	0	130	305	0	1	142	1	1.2	0	.	0	0	0	0	0	0	0	0	0	0	0	1	0.382282
46	1	150	231	0	1	147	0	3.6	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0.581927
62	1	120	267	0	1	99	1	1.8	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0.994447
60	1	125	258	0	0	141	1	2.8	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0.964342
58	1	150	270	0	0	111	1	0.8	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0.917995
60	0	150	258	0	0	157	0	2.6	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0.842371
57	1	128	229	0	0	150	0	0.4	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0.648552
65	1	135	254	0	0	127	0	2.8	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0.892814
62	1	120	281	0	0	103	0	1.4	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0.910111
64	1	125	309	0	1	131	1	1.8	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0.753411
64	1	120	246	0	0	96	1	2.2	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0.983542
64	1	145	212	0	0	132	0	2	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0.963958
66	1	160	246	0	1	120	1	0	3	.	0	0	0	0	0	0	0	0	0	0	0	0	0.968799
62	0	138	294	1	1	106	0	1.9	3	.	0	0	0	0	0	0	0	0	0	0	0	0	0.597327
67	1	100	299	0	0	125	1	0.9	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0.984853
45	1	142	309	0	0	147	1	0	3	.	0	0	0	0	0	0	0	0	0	0	0	0	0.980118
55	0	180	327	0	2	117	1	3.4	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0.951841
59	1	126	218	1	1	134	0	2.2	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0.554504
58	1	114	318	0	2	140	0	4.4	3	.	0	0	0	0	0	0	0	0	0	0	0	0	0.960289
67	1	152	212	0	0	150	0	0.8	0	.	0	0	0	0	0	0	0	0	0	0	0	1	0.261879
57	1	130	131	0	1	115	1	1.2	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0.918513

Pro

**Numerical Variables // Univariate Analysis
on oldpeak**

Directory				
Libref	WORK			
Engine	V9			
Physical Name	/saswork/SAS_work510A0001E711_odaws01-usw2-2.oda.sas.com/SAS_work1D2A0001E711_odaws01-usw2-2.oda.sas.com			
Filename	/saswork/SAS_work510A0001E711_odaws01-usw2-2.oda.sas.com/SAS_work1D2A0001E711_odaws01-usw2-2.oda.sas.com			
Inode Number	2483028065			
Access Permission	rwx-----			
Owner Name	u62194881			
File Size	4KB			
File Size (bytes)	4096			
#	Name	Member Type	File Size	Last Modified
1	IMPORT	DATA	256KB	07/28/2023 00:08:31
2	IMPORT_PREDICTIONS	DATA	256KB	07/28/2023 00:08:32
3	IMPORT_SELECT	DATA	256KB	07/28/2023 00:08:31
4	IMPORT_TEST	DATA	256KB	07/28/2023 00:08:31
5	IMPORT_TRAIN	DATA	256KB	07/28/2023 00:08:31
6	IMPORT_TRAIN_LRMODEL	DATA	256KB	07/28/2023 00:08:31
#	Name	Member Type	File Size	Last Modified
7	IMPORT_TRAIN_LRMODEL_OUTPUT	DATA	256KB	07/28/2023 00:08:31

Heart Disease Prediction

Results: Program 2

age	sex	trestbps	chol	fb	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
41	0	130	204	0	0	172	0	1.4	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0598952
54	1	140	239	0	1	160	0	1.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.2120029
48	0	130	275	0	1	139	0	0.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0809857
49	1	130	266	0	1	171	0	0.6	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.1539982
58	0	150	283	1	0	162	0	1	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0485403
43	1	150	247	0	1	171	0	1.5	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.2998348
59	1	135	234	0	1	161	0	0.5	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.1294156
71	0	160	302	0	1	162	0	0.4	2	.	0	0	0	0	0	0	0	0	0	0	0		0	0.611097
65	0	140	417	1	0	157	0	0.8	1	.	0	0	0	0	0	0	0	0	0	0	0		1	0.3516504
41	0	105	198	0	1	168	0	0	1	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0872744
54	1	125	273	0	0	152	0	0.5	1	.	0	0	0	0	0	0	0	0	0	0	0		0	0.7159489
65	0	155	269	0	1	148	0	0.8	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0707114
53	0	130	264	0	0	143	0	0.4	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0951747
48	1	122	222	0	0	186	0	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0905771
35	0	138	183	0	1	182	0	1.4	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0365143
51	1	140	261	0	0	186	1	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.4724884
43	0	122	213	0	1	165	0	0.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0259191
55	0	135	250	0	0	161	0	1.4	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0751462
52	1	152	298	1	1	178	0	1.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.134416
54	0	132	288	1	0	159	1	0	1	.	0	0	0	0	0	0	0	0	0	0	0		0	0.5059374
45	0	112	160	0	1	138	0	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0276547
42	1	148	244	0	0	178	0	0.8	2	.	0	0	0	0	0	0	0	0	0	0	0		0	0.9324555
50	0	120	244	0	1	162	0	1.1	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0343318
64	0	140	313	0	1	133	0	0.2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0875309
41	1	130	214	0	0	168	0	2	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.3253977
46	0	138	243	0	0	152	1	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.325288
74	0	120	269	0	0	121	1	0.2	1	.	0	0	0	0	0	0	0	0	0	0	0		0	0.6992261
41	0	126	306	0	1	163	0	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0555698
60	0	120	178	1	1	96	0	0	0	.	0	0	0	0	0	0	0	0	0	0	0		1	0.0346874

Results: Program 2

43	1	115	303	0	1	181	0	1.2	0	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1563242
55	0	132	342	0	1	166	0	1.2	0	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0655224
38	1	138	175	0	1	173	0	0	4	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1221519
53	1	140	203	1	0	155	1	3.1	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6414158
60	1	130	206	0	0	132	1	2.4	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9917361
60	1	117	230	1	1	160	1	1.4	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9026292
43	1	120	177	0	0	120	1	2.5	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8716277
58	1	112	230	0	0	165	0	2.5	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6099251
44	1	112	290	0	0	153	0	0	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7125496
54	1	124	266	0	0	109	1	2.2	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9866335
51	0	130	305	0	1	142	1	1.2	0	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0.3822815
46	1	150	231	0	1	147	0	3.6	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5819273
62	1	120	267	0	1	99	1	1.8	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9944471
60	1	125	258	0	0	141	1	2.8	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.964342
58	1	150	270	0	0	111	1	0.8	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.917995
60	0	150	258	0	0	157	0	2.6	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8423712
57	1	128	229	0	0	150	0	0.4	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.648552
65	1	135	254	0	0	127	0	2.8	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8928137
62	1	120	281	0	0	103	0	1.4	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9101109
64	1	125	309	0	1	131	1	1.8	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7534106
64	1	120	246	0	0	96	1	2.2	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9835419
64	1	145	212	0	0	132	0	2	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9639584
66	1	160	246	0	1	120	1	0	3	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9687994
62	0	138	294	1	1	106	0	1.9	3	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5973266
67	1	100	299	0	0	125	1	0.9	2	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9848528
45	1	142	309	0	0	147	1	0	3	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9801176
55	0	180	327	0	2	117	1	3.4	0	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9518414
59	1	126	218	1	1	134	0	2.2	1	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5545036
58	1	114	318	0	2	140	0	4.4	3	.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9602889
67	1	152	212	0	0	150	0	0.8	0	.	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2618793

Results: Program 2

[illegible][illegible]