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NOMREG HeartDisease (BASE=LAST ORDER=ASCENDING) WITH Age Sex ChestPainType BP
Cholesterol
    FBSOver120 EKGRResults MaxHR ExcerciseAngina STDepression SlopeOfST
NoOfVesselsFluro Thallium
/CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
/MODEL
/STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
/INTERCEPT=INCLUDE
/PRINT=FIT PARAMETER SUMMARY LRT CPS STEP MFI.

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Nominal Regression

Notes		
Output Created		30-DEC-2021 01:21:41
Comments		
Input	Data	C:\Users\Dilawar Asad\Desktop\HeartDisease. sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data	270
	File	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Syntax		NOMREG HeartDisease (BASE=LAST ORDER=ASCENDING) WITH Age Sex ChestPainType BP Cholesterol FBSOver120 EKGResults MaxHR ExcerciseAngina STDepression SlopeOfST NoOfVesselsFluro Thallium /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0) PCONVERGE(0.000001) SINGULAR(0.00000001) /MODEL /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR) REMOVALMETHOD(LR) /INTERCEPT=INCLUDE /PRINT=FIT PARAMETER SUMMARY LRT CPS STEP MFI.
Resources	Processor Time	00:00:00.08
	Elapsed Time	00:00:00.08

Warnings

There are 270 (50.0%) cells (i.e., dependent variable levels by subpopulations) with zero frequencies.

Case Processing Summary

		N	Marginal Percentage
HeartDisease	0	150	55.6%

1	120	44.4%
Valid	270	100.0%
Missing	0	
Total	270	
Subpopulation	270 ^a	

a. The dependent variable has only one value observed in 270 (100.0%) subpopulations.

Model Fitting Information

Model	Model Fitting	Likelihood Ratio Tests		
	Criteria			
	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	370.959			
Final	179.598	191.361	13	.000

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	232.117	256	.856
Deviance	179.598	256	1.000

Pseudo R-Square

Cox and Snell	.508
Nagelkerke	.680
McFadden	.516

Likelihood Ratio Tests

Effect	Model Fitting	Likelihood Ratio Tests		
	Criteria			
	-2 Log Likelihood of			
	Reduced Model	Chi-Square	df	Sig.

Intercept	187.628	8.031	1	.005
Age	180.063	.465	1	.495
Sex	188.408	8.810	1	.003
ChestPainType	191.342	11.744	1	.001
BP	184.646	5.048	1	.025
Cholesterol	182.847	3.249	1	.071
FBSOver120	181.571	1.973	1	.160
EKGResults	181.956	2.358	1	.125
MaxHR	183.687	4.089	1	.043
ExcerciseAngina	183.262	3.664	1	.056
STDepression	181.947	2.349	1	.125
SlopeOfST	180.862	1.264	1	.261
NoOfVesselsFluro	202.822	23.224	1	.000
Thallium	190.248	10.650	1	.001

The chi-square statistic is the difference in -2 log-likelihoods between the final model and a reduced model. The reduced model is formed by omitting an effect from the final model. The null hypothesis is that all parameters of that effect are 0.

Parameter Estimates

HeartDisease ^a		B	Std. Error	Wald	df	Sig.	Exp(B)		
0	Intercept	8.446	3.088	7.481	1	.006			
	Age	.017	.026	.462	1	.497	1.018		
	Sex	-1.542	.541	8.132	1	.004	.214		
	ChestPainType	-.701	.215	10.600	1	.001	.496		
	BP	-.025	.011	4.850	1	.028	.975		
	Cholesterol	-.007	.004	3.142	1	.076	.993		
	FBSOver120	.795	.575	1.913	1	.167	2.214		
	EKGResults	-.302	.198	2.325	1	.127	.740		
	MaxHR	.021	.011	3.957	1	.047	1.021		
	ExcerciseAngina	-.829	.431	3.701	1	.054	.436		
	a								
	STDepression	-.344	.227	2.291	1	.130	.709		
	SlopeOfST	-.442	.391	1.279	1	.258	.643		

NoOfVesselsFluoro	-1.165	.269	18.726	1	.000	.312		
Thallium	-.341	.106	10.359	1	.001	.711		