

Response Profile		
Ordered Value	x4	Total Frequency
1	0	39
2	1	61

Forward Selection Procedure

8/12/22, 01:51

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		Class Level Information																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Step 0. Intercept entered:

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

-2 Log L	=	133.750
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Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	0.4473	0.2050	4.7601	0.0291

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
100.0000	99	0.4530

Analysis of Effects Eligible for Entry			
Effect	DF	Score Chi-Square	Pr > ChiSq
x5	1	6.6564	0.0099
x6	42	56.0740	0.0718
x7	26	45.0866	0.0115
x8	49	45.7055	0.6075
x9	44	43.6038	0.4885
x10	40	24.6983	0.9725
x11	41	67.7736	0.0053
x12	34	43.3002	0.1318
x13	44	68.8244	0.0098
x14	33	35.2969	0.3601
x15	49	48.5078	0.4930

Step 1. Effect x11 entered:

Model Convergence Status
Quasi-complete separation of data points detected.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	135.750	127.911
SC	138.355	237.328
-2 Log L	133.750	43.911

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	89.8387	41	<.0001
Score	67.7736	41	0.0053
Wald	3.6833	41	1.0000

Type 3 Analysis of Effects

Effect	DF	Wald Chi-Square	Pr > ChiSq
x11	41	3.6833	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-12.2983	331.2	0.0014	0.9704
x11	5	1	24.5718	568.9	0.0019	0.9655
x11	6	1	2.49E-10	427.5	0.0000	1.0000
x11	7	1	24.5718	465.4	0.0028	0.9579
x11	2.3	1	24.5718	568.9	0.0019	0.9655
x11	2.9	1	24.5718	568.9	0.0019	0.9655
x11	3.3	1	24.5718	568.9	0.0019	0.9655
x11	3.6	1	24.5718	568.9	0.0019	0.9655
x11	3.9	1	24.5718	403.9	0.0037	0.9515
x11	4.1	1	24.5718	465.4	0.0028	0.9579
x11	4.2	1	24.5718	425.4	0.0033	0.9539
x11	4.3	1	24.5718	465.4	0.0028	0.9579
x11	4.4	1	24.5718	568.9	0.0019	0.9655
x11	4.6	1	24.5718	403.9	0.0037	0.9515
x11	4.7	1	13.9078	331.2	0.0018	0.9665
x11	4.8	1	24.5718	568.9	0.0019	0.9655
x11	4.9	1	24.5718	425.4	0.0033	0.9539
x11	5.1	1	24.5718	465.4	0.0028	0.9579
x11	5.3	1	24.5718	390.5	0.0040	0.9498
x11	5.4	1	12.2983	331.2	0.0014	0.9704
x11	5.5	1	24.5718	465.4	0.0028	0.9579
x11	5.6	1	2.49E-10	573.6	0.0000	1.0000
x11	5.7	1	24.5718	390.5	0.0040	0.9498
x11	5.8	1	24.5718	568.9	0.0019	0.9655
x11	5.9	1	11.6052	331.2	0.0012	0.9720
x11	6.1	1	2.49E-10	468.3	0.0000	1.0000
x11	6.2	1	2.49E-10	573.6	0.0000	1.0000
x11	6.3	1	11.6052	331.2	0.0012	0.9720
x11	6.4	1	11.6052	331.2	0.0012	0.9720
x11	6.5	1	2.49E-10	468.3	0.0000	1.0000
x11	6.6	1	2.49E-10	468.3	0.0000	1.0000
x11	6.8	1	11.6052	331.2	0.0012	0.9720
x11	6.9	1	2.49E-10	468.3	0.0000	1.0000
x11	7.2	1	12.2983	331.2	0.0014	0.9704
x11	7.3	1	12.2983	331.2	0.0014	0.9704
x11	7.4	1	24.5718	568.9	0.0019	0.9655
x11	7.5	1	12.2983	331.2	0.0014	0.9704
x11	7.6	1	2.49E-10	468.3	0.0000	1.0000
x11	7.7	1	12.2983	331.2	0.0014	0.9704
x11	7.8	1	2.49E-10	468.3	0.0000	1.0000
x11	7.9	1	2.49E-10	468.3	0.0000	1.0000
x11	8.3	1	24.5718	568.9	0.0019	0.9655
x11	8.4	0	0	.	.	.

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
x11 5 vs 8.4	>999.999	<0.001	>999.999
x11 6 vs 8.4	1.000	<0.001	>999.999
x11 7 vs 8.4	>999.999	<0.001	>999.999
x11 2.3 vs 8.4	>999.999	<0.001	>999.999
x11 2.9 vs 8.4	>999.999	<0.001	>999.999
x11 3.3 vs 8.4	>999.999	<0.001	>999.999
x11 3.6 vs 8.4	>999.999	<0.001	>999.999
x11 3.9 vs 8.4	>999.999	<0.001	>999.999
x11 4.1 vs 8.4	>999.999	<0.001	>999.999
x11 4.2 vs 8.4	>999.999	<0.001	>999.999
x11 4.3 vs 8.4	>999.999	<0.001	>999.999
x11 4.4 vs 8.4	>999.999	<0.001	>999.999
x11 4.6 vs 8.4	>999.999	<0.001	>999.999
x11 4.7 vs 8.4	>999.999	<0.001	>999.999
x11 4.8 vs 8.4	>999.999	<0.001	>999.999
x11 4.9 vs 8.4	>999.999	<0.001	>999.999
x11 5.1 vs 8.4	>999.999	<0.001	>999.999
x11 5.3 vs 8.4	>999.999	<0.001	>999.999

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
x11 5.4 vs 8.4	>999.999	<0.001	>999.999
x11 5.5 vs 8.4	>999.999	<0.001	>999.999
x11 5.6 vs 8.4	1.000	<0.001	>999.999
x11 5.7 vs 8.4	>999.999	<0.001	>999.999
x11 5.8 vs 8.4	>999.999	<0.001	>999.999
x11 5.9 vs 8.4	>999.999	<0.001	>999.999
x11 6.1 vs 8.4	1.000	<0.001	>999.999
x11 6.2 vs 8.4	1.000	<0.001	>999.999
x11 6.3 vs 8.4	>999.999	<0.001	>999.999
x11 6.4 vs 8.4	>999.999	<0.001	>999.999
x11 6.5 vs 8.4	1.000	<0.001	>999.999
x11 6.6 vs 8.4	1.000	<0.001	>999.999
x11 6.8 vs 8.4	>999.999	<0.001	>999.999
x11 6.9 vs 8.4	1.000	<0.001	>999.999
x11 7.2 vs 8.4	>999.999	<0.001	>999.999
x11 7.3 vs 8.4	>999.999	<0.001	>999.999
x11 7.4 vs 8.4	>999.999	<0.001	>999.999
x11 7.5 vs 8.4	>999.999	<0.001	>999.999
x11 7.6 vs 8.4	1.000	<0.001	>999.999
x11 7.7 vs 8.4	>999.999	<0.001	>999.999
x11 7.8 vs 8.4	1.000	<0.001	>999.999
x11 7.9 vs 8.4	1.000	<0.001	>999.999
x11 8.3 vs 8.4	>999.999	<0.001	>999.999

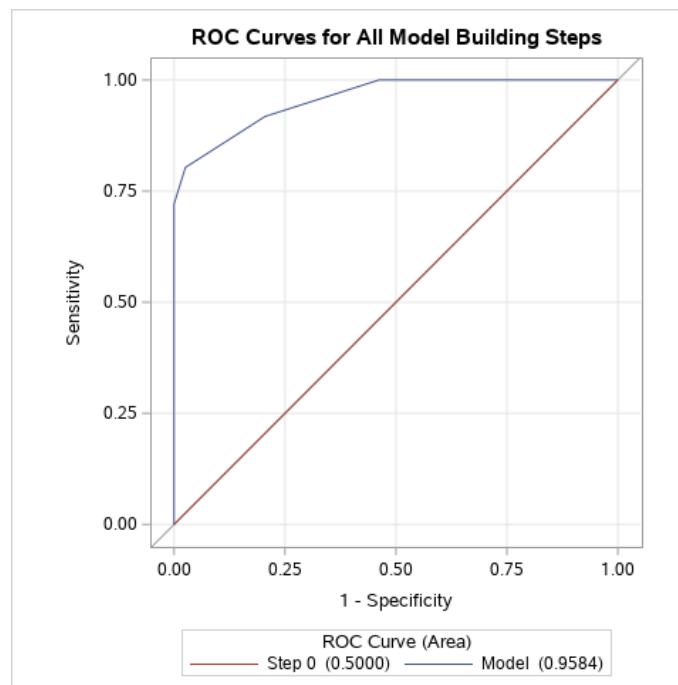
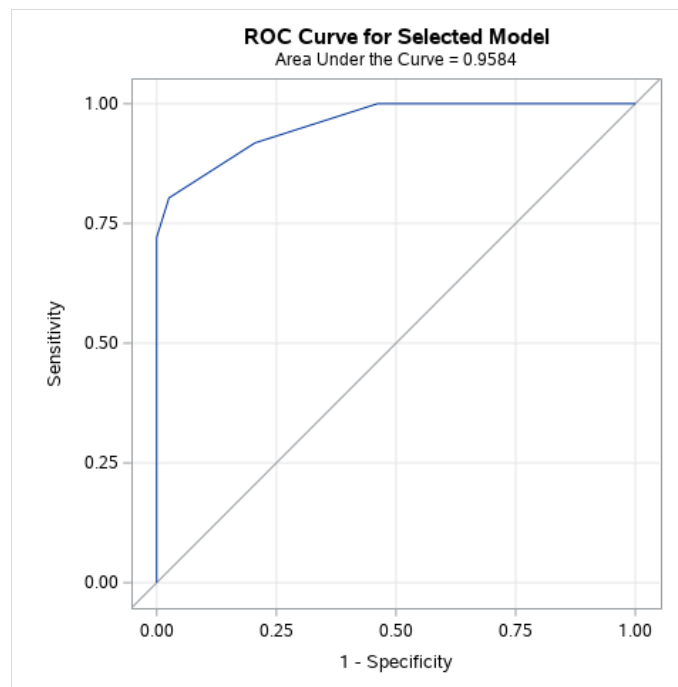
Association of Predicted Probabilities and Observed Responses			
Percent Concordant	93.7	Somers' D	0.917
Percent Discordant	2.0	Gamma	0.959
Percent Tied	4.4	Tau-a	0.441
Pairs	2379	c	0.958

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
35.0003	58	0.9928

Analysis of Effects Eligible for Entry			
Effect	DF	Score Chi-Square	Pr > ChiSq
x5	1	0.6027	0.4376
x6	33	33.0003	0.4672
x7	21	32.6084	0.0507
x8	47	32.7500	0.9431
x9	39	34.9917	0.6533
x10	38	29.8468	0.8248
x12	27	23.7000	0.6469
x13	30	33.0002	0.3225
x14	31	28.0856	0.6167
x15	46	34.9995	0.8815

Note: No (additional) effects met the 0.05 significance level for entry into the model.

Summary of Forward Selection						
Step	Effect Entered	DF	Number In	Score Chi-Square	Pr > ChiSq	Variable Label
1	x11	41	1	67.7736	0.0053	x11



Classification Table									
Prob Level	Correct		Incorrect		Percentages				
	Event	Non-Event	Event	Non-Event	Correct	Sensitivity	Specificity	Pos Pred	Neg Pred
0.000	61	0	39	0	61.0	100.0	0.0	61.0	.
0.020	61	21	18	0	82.0	100.0	53.8	77.2	100.0
0.040	61	21	18	0	82.0	100.0	53.8	77.2	100.0
0.060	61	21	18	0	82.0	100.0	53.8	77.2	100.0
0.080	61	21	18	0	82.0	100.0	53.8	77.2	100.0
0.100	61	21	18	0	82.0	100.0	53.8	77.2	100.0
0.120	55	21	18	6	76.0	90.2	53.8	75.3	77.8
0.140	55	21	18	6	76.0	90.2	53.8	75.3	77.8
0.160	55	21	18	6	76.0	90.2	53.8	75.3	77.8
0.180	55	21	18	6	76.0	90.2	53.8	75.3	77.8
0.200	55	21	18	6	76.0	90.2	53.8	75.3	77.8
0.220	53	21	18	8	74.0	86.9	53.8	74.6	72.4
0.240	53	21	18	8	74.0	86.9	53.8	74.6	72.4
0.260	53	21	18	8	74.0	86.9	53.8	74.6	72.4
0.280	53	21	18	8	74.0	86.9	53.8	74.6	72.4

Classification Table									
Prob Level	Correct		Incorrect		Percentages				
	Event	Non-Event	Event	Non-Event	Correct	Sensi-tivity	Speci-ficity	Pos Pred	Neg Pred
0.300	53	21	18	8	74.0	86.9	53.8	74.6	72.4
0.320	53	21	18	8	74.0	86.9	53.8	74.6	72.4
0.340	49	21	18	12	70.0	80.3	53.8	73.1	63.6
0.360	49	21	18	12	70.0	80.3	53.8	73.1	63.6
0.380	49	21	18	12	70.0	80.3	53.8	73.1	63.6
0.400	49	21	18	12	70.0	80.3	53.8	73.1	63.6
0.420	49	25	14	12	74.0	80.3	64.1	77.8	67.6
0.440	49	25	14	12	74.0	80.3	64.1	77.8	67.6
0.460	49	25	14	12	74.0	80.3	64.1	77.8	67.6
0.480	49	25	14	12	74.0	80.3	64.1	77.8	67.6
0.500	49	25	14	12	74.0	80.3	64.1	77.8	67.6
0.520	49	31	8	12	80.0	80.3	79.5	86.0	72.1
0.540	49	31	8	12	80.0	80.3	79.5	86.0	72.1
0.560	49	31	8	12	80.0	80.3	79.5	86.0	72.1
0.580	49	31	8	12	80.0	80.3	79.5	86.0	72.1
0.600	49	31	8	12	80.0	80.3	79.5	86.0	72.1
0.620	49	31	8	12	80.0	80.3	79.5	86.0	72.1
0.640	49	31	8	12	80.0	80.3	79.5	86.0	72.1
0.660	49	31	8	12	80.0	80.3	79.5	86.0	72.1
0.680	49	35	4	12	84.0	80.3	89.7	92.5	74.5
0.700	49	35	4	12	84.0	80.3	89.7	92.5	74.5
0.720	49	35	4	12	84.0	80.3	89.7	92.5	74.5
0.740	49	35	4	12	84.0	80.3	89.7	92.5	74.5
0.760	49	35	4	12	84.0	80.3	89.7	92.5	74.5
0.780	49	35	4	12	84.0	80.3	89.7	92.5	74.5
0.800	44	35	4	17	79.0	72.1	89.7	91.7	67.3
0.820	44	35	4	17	79.0	72.1	89.7	91.7	67.3
0.840	44	35	4	17	79.0	72.1	89.7	91.7	67.3
0.860	44	35	4	17	79.0	72.1	89.7	91.7	67.3
0.880	44	35	4	17	79.0	72.1	89.7	91.7	67.3
0.900	44	38	1	17	82.0	72.1	97.4	97.8	69.1
0.920	44	38	1	17	82.0	72.1	97.4	97.8	69.1
0.940	44	38	1	17	82.0	72.1	97.4	97.8	69.1
0.960	44	39	0	17	83.0	72.1	100.0	100.0	69.6
0.980	44	39	0	17	83.0	72.1	100.0	100.0	69.6
1.000	0	39	0	61	39.0	0.0	100.0	.	39.0

