The CONTENTS Procedure

Data Set Name	LIBREF.AA	Observations	50
Member Type	DATA	Variables	17
Engine	V9	Indexes	0
Created	06/05/2018 15:41:55	Observation Length	136
Last Modified	06/05/2018 15:41:55	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label	Predicted Values and Diagnostic Statistics		
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	962			
Obs in First Data Page	50			
Number of Data Set Repairs	0			
Filename	/home/ch15mtech110110/LogisticReg/aa.sas7bdat			
Release Created	9.0401M5			
Host Created	Linux			
Inode Number	93194492			
Access Permission	rw-rr			
Owner Name	ch15mtech110110			
File Size	256KB			
File Size (bytes)	262144			

	Alphabetic List of Variables and Attributes							
#	Variable	Туре	Len	Format	Informat	Label		
1	Employee_ID	Num	8	BEST12.	BEST32.			
5	Marital_Status	Num	8	BEST12.	BEST32.			
4	Relocation_Indicator	Num	8	BEST12.	BEST32.			
2	Retain_Indicator	Num	8	BEST12.	BEST32.			
3	Sex_Indicator	Num	8	BEST12.	BEST32.			
6	_LEVEL_	Num	8	BEST12.	BEST32.	Response Value		
10	_LEVEL_2	Num	8	BEST12.	BEST32.	Response Value		
14	_LEVEL_3	Num	8	BEST12.	BEST32.	Response Value		
8	lcl_	Num	8			Lower 95% Confidence Limit		

The CONTENTS Procedure

	Alphabetic List of Variables and Attributes							
#	Variable	Туре	Len	Format	Informat	Label		
12	lcl_2	Num	8			Lower 95% Confidence Limit		
16	lcl_3	Num	8			Lower 95% Confidence Limit		
7	p_	Num	8			Estimated Probability		
11	p_2	Num	8			Estimated Probability		
15	p_3	Num	8			Estimated Probability		
9	ucl_	Num	8			Upper 95% Confidence Limit		
13	ucl_2	Num	8			Upper 95% Confidence Limit		
17	ucl_3	Num	8			Upper 95% Confidence Limit		

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The FREQ Procedure

Retain_Indicator	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	22	44.00	22	44.00
1	28	56.00	50	100.00

The LOGISTIC Procedure

Model Information					
Data Set	LIBREF.AA	Predicted Values and Diagnostic Statistics			
Response Variable	Retain_Indicator				
Number of Response Levels	2				
Model	binary logit				
Optimization Technique	Fisher's scoring				

Number of Observations Read	50
Number of Observations Used	50

Response Profile					
Ordered Total Value Retain_Indicator Frequency					
1	0	22			
2	1	28			

Probability modeled is Retain_Indicator='1'.

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

Model Fit Statistics					
Intercept and Criterion Only Covariates					
AIC	70.593	71.985			
sc	72.505	81.545			
-2 Log L	68.593	61.985			

Testing Global Null Hypothesis: BETA=0						
Test Chi-Square DF Pr > ChiSq						
Likelihood Ratio	6.6080	4	0.1581			
Score	6.2767	4	0.1794			
Wald	5.6438	4	0.2274			

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq	
Intercept	1	-1.2357	0.8926	1.9164	0.1663	
Sex_Indicator	1	0.4983	0.6372	0.6115	0.4342	
Relocation_Indicator	1	0.5974	0.6287	0.9029	0.3420	
Marital_Status	1	-0.4425	0.6436	0.4727	0.4917	
Employee_ID	1	0.0443	0.0226	3.8531	0.0497	

Odds Ratio Estimates				
Effect	Point Estimate	95% Wald Confidence Limits		
Sex_Indicator	1.646	0.472	5.739	
Relocation_Indicator	1.817	0.530	6.232	
Marital_Status	0.642	0.182	2.268	
Employee_ID	1.045	1.000	1.093	

Association of Predicted Probabilities and Observed Responses				
Percent Concordant	70.9	Somers' D	0.419	
Percent Discordant	29.1	Gamma	0.419	
Percent Tied	0.0	Tau-a	0.211	
Pairs	616	С	0.709	