

## The CONTENTS Procedure

<b>Data Set Name</b>	WORK.DATA_FINAL	<b>Observations</b>	2568
<b>Member Type</b>	DATA	<b>Variables</b>	19
<b>Engine</b>	V9	<b>Indexes</b>	0
<b>Created</b>	12/13/2017 17:00:49	<b>Observation Length</b>	192
<b>Last Modified</b>	12/13/2017 17:00:49	<b>Deleted Observations</b>	0
<b>Protection</b>		<b>Compressed</b>	NO
<b>Data Set Type</b>		<b>Sorted</b>	NO
<b>Label</b>			
<b>Data Representation</b>	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
<b>Encoding</b>	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
<b>Data Set Page Size</b>	131072
<b>Number of Data Set Pages</b>	4
<b>First Data Page</b>	1
<b>Max Obs per Page</b>	682
<b>Obs in First Data Page</b>	659
<b>Number of Data Set Repairs</b>	0
<b>Filename</b>	/saswork/SAS_work39E00001DDB0_odaws01-prod-us/SAS_work51750001DDB0_odaws01-prod-us/data_final.sas7bdat
<b>Release Created</b>	9.0401M4
<b>Host Created</b>	Linux
<b>Inode Number</b>	34340884
<b>Access Permission</b>	rw-r--r--
<b>Owner Name</b>	ag39140
<b>File Size</b>	640KB
<b>File Size (bytes)</b>	655360

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat
2	Month	Char	9	\$9.	\$9.
4	ageyear	Num	8	BEST12.	BEST32.
16	bpdiastolic	Num	8	BEST12.	BEST32.
11	bpsystolic	Num	8	BEST12.	BEST32.
19	cindex_cat	Char	6	\$6.	\$6.
3	evisit	Num	8	BEST12.	BEST32.

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat
9	facilityname	Char	27	\$27.	\$27.
5	gender	Char	6	\$6.	\$6.
18	group_mews	Char	14	\$14.	\$14.
14	heartrate	Num	8	BEST12.	BEST32.
10	insurancetype	Char	8	\$8.	\$8.
1	is30dayreadmit	Num	8	BEST12.	BEST32.
17	log_losday	Num	8	BEST12.	BEST32.
8	maritalstatus	Char	8	\$8.	\$8.
12	o2sat	Num	8	BEST12.	BEST32.
6	race	Char	18	\$18.	\$18.
7	religion	Char	9	\$9.	\$9.
15	respirationrate	Num	8	BEST12.	BEST32.
13	temperature	Num	8	BEST12.	BEST32.

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#### The GLMSELECT Procedure

<b>Data Set</b>	WORK.DATA_FINAL
<b>Dependent Variable</b>	log_losday
<b>Selection Method</b>	Backward
<b>Select Criterion</b>	Significance Level
<b>Stop Criterion</b>	Significance Level
<b>Stay Significance Level (SLS)</b>	0.15
<b>Effect Hierarchy Enforced</b>	None

<b>Number of Observations Read</b>	2568
<b>Number of Observations Used</b>	2568

Class Level Information		
Class	Levels	Values
gender	2	Female Male
race	4	African Amer/Black Asian Other White
religion	7	Catholic Christian Hindu Islam Jewish No Affili Other
maritalstatus	5	Divorced Married Separate Single Widowed
insurancetype	3	Medicaid Medicare Private

Class Level Information		
Class	Levels	Values
facilityname	7	LIJ Forest Hills LIJ Valley Stream Long Island Jewish Hospital NSUH Other Plainview Hospital Southside Hospital
is30dayreadmit	2	0 1
cindex_cat	4	Mild Modera Normal severe
evisit	5	0 1 2 3 4

Dimensions	
Number of Effects	17
Number of Parameters	47

### The GLMSELECT Procedure

Backward Selection Summary														
Step	Effect Removed	Number Effects In	Number Parms In	Model R-Square	Adjusted R-Square	AIC	AICC	BIC	CP	SBC	PRESS	ASE	F Value	Pr > F
0		17	38	0.1414	0.1289	1540.1720	1541.4062	-1026.6869	38.0000	-807.4944	1722.1803	0.6501		
1	race	16	35	0.1405	0.1290*	1536.8890	1537.9416	-1030.1351	34.6782	-828.3301	1720.0440	0.6508	0.89	0.4441
2	religion	15	29	0.1376	0.1281	1533.6693*	1534.4025*	-1033.7228*	31.3525*	-866.6551*	1718.0055*	0.6530	1.45	0.1932
* Optimal Value of Criterion														

Selection stopped because the next candidate for removal has SLS < 0.15.

Stop Details					
Candidate For	Effect	Candidate Significance		Compare Significance	
Removal	gender	0.1255	<	0.1500	(SLS)



**The GLMSELECT Procedure**  
**Selected Model**

The selected model is the model at the last step (Step 2).

**Effects:** Intercept is30dayreadmit index\_cat evist ageyear gender maritalstatus facilityname insurancetype bpsystolic temperature heartrate respirationrate bpdiastric o2sat

Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	28	267.48236	9.55294	14.46
Error	2539	1676.96590	0.66048	

Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Corrected Total	2567	1944.44826		

Root MSE	0.81270
Dependent Mean	1.31881
R-Square	0.1376
Adj R-Sq	0.1281
AIC	1533.66931
AICC	1534.40246
BIC	-1033.72275
C(p)	31.35253
PRESS	1718.00551
SBC	-866.65510
ASE	0.65302

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	3.116786	1.494369	2.09
is30dayreadmit 0	1	-0.199794	0.048615	-4.11
is30dayreadmit 1	0	0	.	.
cindex_cat Mild	1	-0.203413	0.046722	-4.35
cindex_cat Modera	1	-0.121904	0.061048	-2.00
cindex_cat Normal	1	-0.216708	0.049807	-4.35
cindex_cat severe	0	0	.	.
evisit 0	1	-0.220551	0.046075	-4.79
evisit 1	1	-0.194339	0.049461	-3.93
evisit 2	1	-0.136055	0.054099	-2.51
evisit 3	1	0.025078	0.063843	0.39
evisit 4	0	0	.	.
ageyear	1	0.008848	0.001238	7.15
gender Female	1	-0.052381	0.034180	-1.53
gender Male	0	0	.	.
maritalstatus Divorced	1	-0.090714	0.075767	-1.20
maritalstatus Married	1	-0.075811	0.048712	-1.56
maritalstatus Separate	1	0.160720	0.141965	1.13

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
maritalstatus Single	1	0.039977	0.057541	0.69
maritalstatus Widowed	0	0	.	.
facilityname LIJ Forest Hills	1	0.052415	0.057938	0.90
facilityname LIJ Valley Stream	1	0.081599	0.063622	1.28
facilityname Long Island Jewish Hospital	1	0.073497	0.056669	1.30
facilityname NSUH	1	0.164822	0.052023	3.17
facilityname Other	1	-0.030000	0.118328	-0.25
facilityname Plainview Hospital	1	0.107441	0.070357	1.53
facilityname Southside Hospital	0	0	.	.
insurancetype Medicaid	1	0.257119	0.076832	3.35
insurancetype Medicare	1	0.064021	0.038204	1.68
insurancetype Private	0	0	.	.
bpsystolic	1	-0.004552	0.001202	-3.79
temperature	1	0.053835	0.024541	2.19
heartrate	1	0.005947	0.001272	4.67
respirationrate	1	0.013995	0.005917	2.37
bpdiaastolic	1	-0.005104	0.002040	-2.50
o2sat	1	-0.038297	0.011460	-3.34