The CONTENTS Procedure

Data Set Name	WORK.BMISAT	**Observations**	2709
Member Type	DATA	**Variables**	22
Engine	V9	**Indexes**	0
Created	12/12/2017 13:28:13	**Observation Length**	176
Last Modified	12/12/2017 13:28:13	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label			
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	4
First Data Page	1
Max Obs per Page	743
Obs in First Data Page	717
Number of Data Set Repairs	0
Filename	/saswork/SAS_work0512000187F8_odaws04-prod-us/SAS_work2439000187F8_odaws04-prod-us/bmisat.sas7bdat
Release Created	9.0401M4
Host Created	Linux
Inode Number	58982417
Access Permission	rw-r--r--
Owner Name	km33040
File Size	640KB
File Size (bytes)	655360

Alphabetic List of Variables and Attributes					
#	**Variable**	**Type**	**Len**	**Format**	**Informat**
9	ageyear	Num	8	BEST12.	BEST32.
14	bmi	Num	8	BEST12.	BEST32.
20	bpdiastolic	Num	8	BEST12.	BEST32.
15	bpsystolic	Num	8	BEST12.	BEST32.
6	cindex	Num	8	BEST12.	BEST32.
7	evisit	Num	8	BEST12.	BEST32.
10	gender	Num	8	BEST12.	BEST32.
18	heartrate	Num	8	BEST12.	BEST32.
8	icu_flag	Num	8	BEST12.	BEST32.

The CONTENTS Procedure

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat
22	id	Num	8	BEST12.	BEST32.
13	insurancetype	Num	8	BEST12.	BEST32.
3	is30dayreadmit	Num	8	BEST12.	BEST32.
2	losdays2	Num	8	BEST12.	BEST32.
21	losdays2_log	Num	8	BEST12.	BEST32.
1	loshours	Num	8	BEST12.	BEST32.
12	maritalstatus	Num	8	BEST12.	BEST32.
5	mews	Num	8	BEST12.	BEST32.
4	month	Num	8	BEST12.	BEST32.
16	o2sat	Num	8	BEST12.	BEST32.
11	religion	Num	8	BEST12.	BEST32.
19	respirationrate	Num	8	BEST12.	BEST32.
17	temperature	Num	8	BEST12.	BEST32.

The GLMSELECT Procedure

Data Set	WORK.BMISAT
Dependent Variable	losdays2_log
Selection Method	Forward
Select Criterion	Significance Level
Stop Criterion	Significance Level
Entry Significance Level (SLE)	0.15
Effect Hierarchy Enforced	None

Number of Observations Read	2709
Number of Observations Used	2709

Class Level Information		
Class	**Levels**	**Values**
is30dayreadmit	2	0 1
month	11	1 2 3 4 5 6 8 9 10 11 12
mews	4	1 2 3 4
cindex	3	0 1 2
evisit	5	0 1 2 3 4
icu_flag	2	0 1
gender	2	0 1
religion	2	0 1
maritalstatus	2	0 1
insurancetype	3	1 2 3

Dimensions	
Number of Effects	19
Number of Parameters	45

The GLMSELECT Procedure

	Forward Selection Summary				
Step	Effect Entered	Number Effects In	Number Parms In	F Value	Pr > F
0	Intercept	1	1	0.00	1.0000
1	ageyear	2	2	130.28	<.0001
2	evisit	3	6	21.89	<.0001
3	bpsystolic	4	7	44.00	<.0001
4	cindex	5	9	19.41	<.0001
5	heartrate	6	10	24.16	<.0001
6	is30dayreadmit	7	11	15.20	<.0001
7	respirationrate	8	12	12.42	0.0004
8	insurancetype	9	14	7.28	0.0007
9	maritalstatus	10	15	4.39	0.0363
10	bpdiastolic	11	16	3.65	0.0562
11	gender	12	17	3.52	0.0607
12	month	13	27	1.75	0.0637
13	religion	14	28	3.25	0.0716
14	o2sat	15	29	2.87	0.0905

Selection stopped as the candidate for entry has SLE > 0.15.

	Stop Details				
Candidate For	Effect	Candidate Significance		Compare Significance	
Entry	bmi	0.2403	>	0.1500	(SLE)

The GLMSELECT Procedure
Selected Model

The selected model is the model at the last step (Step 14).

Effects:	Intercept is30dayreadmit month cindex evisit ageyear gender religion maritalstatus insurancetype bpsystolic o2sat heartrate respirationrate bpdiastolic

Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	28	291.89094	10.42468	15.15
Error	2680	1844.51498	0.68825	
Corrected Total	2708	2136.40592		

Root MSE	0.82961
Dependent Mean	1.31546
R-Square	0.1366
Adj R-Sq	0.1276
AIC	1727.76008
AICC	1728.45463
SBC	-812.01421

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	1.359728	0.478583	2.84
is30dayreadmit 0	1	-0.174406	0.048362	-3.61
is30dayreadmit 1	0	0	.	.
month 1	1	0.569440	0.298300	1.91
month 2	1	0.593113	0.297492	1.99
month 3	1	0.481977	0.298022	1.62
month 4	1	0.597579	0.297467	2.01
month 5	1	0.591271	0.299906	1.97
month 6	1	0.548818	0.296205	1.85
month 8	1	0.680438	0.320425	2.12
month 9	1	0.694878	0.298094	2.33
month 10	1	0.399870	0.474722	0.84
month 11	1	0.486201	0.307918	1.58
month 12	0	0	.	.
cindex 0	1	-0.235764	0.046148	-5.11
cindex 1	1	-0.147229	0.048042	-3.06
cindex 2	0	0	.	.

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	**DF**	**Estimate**	**Standard Error**	**t Value**
evisit 0	1	-0.246851	0.045494	-5.43
evisit 1	1	-0.225105	0.049106	-4.58
evisit 2	1	-0.155707	0.053884	-2.89
evisit 3	1	0.041746	0.063062	0.66
evisit 4	0	0	.	.
ageyear	1	0.009234	0.001097	8.42
gender 0	1	-0.066095	0.033345	-1.98
gender 1	0	0	.	.
religion 0	1	-0.135208	0.073561	-1.84
religion 1	0	0	.	.
maritalstatus 0	1	0.079679	0.033106	2.41
maritalstatus 1	0	0	.	.
insurancetype 1	1	-0.235374	0.076207	-3.09
insurancetype 2	1	-0.166595	0.080674	-2.07
insurancetype 3	0	0	.	.
bpsystolic	1	-0.004368	0.001181	-3.70
o2sat	1	-0.005120	0.003024	-1.69
heartrate	1	0.006118	0.001264	4.84
respirationrate	1	0.019184	0.005870	3.27
bpdiastolic	1	-0.004586	0.001997	-2.30

The GLMSELECT Procedure

Data Set	WORK.BMISAT
Dependent Variable	losdays2_log
Selection Method	Backward
Select Criterion	Significance Level
Stop Criterion	Significance Level
Stay Significance Level (SLS)	0.15
Effect Hierarchy Enforced	None

Number of Observations Read	2709
Number of Observations Used	2709

Class Level Information		
Class	**Levels**	**Values**
is30dayreadmit	2	0 1
month	11	1 2 3 4 5 6 8 9 10 11 12
mews	4	1 2 3 4
cindex	3	0 1 2
evisit	5	0 1 2 3 4
icu_flag	2	0 1
gender	2	0 1
religion	2	0 1
maritalstatus	2	0 1
insurancetype	3	1 2 3

Dimensions	
Number of Effects	19
Number of Parameters	45

The GLMSELECT Procedure

		Backward Selection Summary			
Step	**Effect Removed**	**Number Effects In**	**Number Parms In**	**F Value**	**Pr > F**
0		19	35		
1	mews	18	32	0.46	0.7127
2	icu_flag	17	31	0.61	0.4355
3	temperature	16	30	0.81	0.3682
4	bmi	15	29	1.38	0.2403

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

		Stop Details			
Candidate For	**Effect**	**Candidate Significance**		**Compare Significance**	
Removal	o2sat	0.0905	<	0.1500	(SLS)

The GLMSELECT Procedure
Selected Model

The selected model is the model at the last step (Step 4).

Effects:	Intercept is30dayreadmit month cindex evisit ageyear gender religion maritalstatus insurancetype bpsystolic o2sat heartrate respirationrate bpdiastolic

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value
Model	28	291.89094	10.42468	15.15
Error	2680	1844.51498	0.68825	
Corrected Total	2708	2136.40592		

Root MSE	0.82961
Dependent Mean	1.31546
R-Square	0.1366
Adj R-Sq	0.1276
AIC	1727.76008
AICC	1728.45463
SBC	-812.01421

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	1.359728	0.478583	2.84
is30dayreadmit 0	1	-0.174406	0.048362	-3.61
is30dayreadmit 1	0	0	.	.
month 1	1	0.569440	0.298300	1.91
month 2	1	0.593113	0.297492	1.99
month 3	1	0.481977	0.298022	1.62
month 4	1	0.597579	0.297467	2.01
month 5	1	0.591271	0.299906	1.97
month 6	1	0.548818	0.296205	1.85
month 8	1	0.680438	0.320425	2.12
month 9	1	0.694878	0.298094	2.33
month 10	1	0.399870	0.474722	0.84
month 11	1	0.486201	0.307918	1.58
month 12	0	0	.	.
cindex 0	1	-0.235764	0.046148	-5.11
cindex 1	1	-0.147229	0.048042	-3.06
cindex 2	0	0	.	.

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	**DF**	**Estimate**	**Standard Error**	**t Value**
evisit **0**	1	-0.246851	0.045494	-5.43
evisit **1**	1	-0.225105	0.049106	-4.58
evisit **2**	1	-0.155707	0.053884	-2.89
evisit **3**	1	0.041746	0.063062	0.66
evisit **4**	0	0	.	.
ageyear	1	0.009234	0.001097	8.42
gender **0**	1	-0.066095	0.033345	-1.98
gender **1**	0	0	.	.
religion **0**	1	-0.135208	0.073561	-1.84
religion **1**	0	0	.	.
maritalstatus **0**	1	0.079679	0.033106	2.41
maritalstatus **1**	0	0	.	.
insurancetype **1**	1	-0.235374	0.076207	-3.09
insurancetype **2**	1	-0.166595	0.080674	-2.07
insurancetype **3**	0	0	.	.
bpsystolic	1	-0.004368	0.001181	-3.70
o2sat	1	-0.005120	0.003024	-1.69
heartrate	1	0.006118	0.001264	4.84
respirationrate	1	0.019184	0.005870	3.27
bpdiastolic	1	-0.004586	0.001997	-2.30

The GLMSELECT Procedure

Data Set	WORK.BMISAT
Dependent Variable	losdays2_log
Selection Method	Stepwise
Select Criterion	Significance Level
Stop Criterion	Significance Level
Entry Significance Level (SLE)	0.15
Stay Significance Level (SLS)	0.15
Effect Hierarchy Enforced	None

Number of Observations Read	2709
Number of Observations Used	2709

Class Level Information		
Class	**Levels**	**Values**
is30dayreadmit	2	0 1
month	11	1 2 3 4 5 6 8 9 10 11 12
mews	4	1 2 3 4
cindex	3	0 1 2
evisit	5	0 1 2 3 4
icu_flag	2	0 1
gender	2	0 1
religion	2	0 1
maritalstatus	2	0 1
insurancetype	3	1 2 3

Dimensions	
Number of Effects	19
Number of Parameters	45

The GLMSELECT Procedure

Stepwise Selection Summary						
Step	Effect Entered	Effect Removed	Number Effects In	Number Parms In	F Value	Pr > F
0	Intercept		1	1	0.00	1.0000
1	ageyear		2	2	130.28	<.0001
2	evisit		3	6	21.89	<.0001
3	bpsystolic		4	7	44.00	<.0001
4	cindex		5	9	19.41	<.0001
5	heartrate		6	10	24.16	<.0001
6	is30dayreadmit		7	11	15.20	<.0001
7	respirationrate		8	12	12.42	0.0004
8	insurancetype		9	14	7.28	0.0007
9	maritalstatus		10	15	4.39	0.0363
10	bpdiastolic		11	16	3.65	0.0562
11	gender		12	17	3.52	0.0607
12	month		13	27	1.75	0.0637
13	religion		14	28	3.25	0.0716
14	o2sat		15	29	2.87	0.0905

Selection stopped because the candidate for entry has SLE > 0.15 and the candidate for removal has SLS < 0.15.

Stop Details					
Candidate For	Effect	Candidate Significance		Compare Significance	
Entry	bmi	0.2403	>	0.1500	(SLE)
Removal	o2sat	0.0905	<	0.1500	(SLS)

The GLMSELECT Procedure
Selected Model

The selected model is the model at the last step (Step 14).

Effects:	Intercept is30dayreadmit month cindex evisit ageyear gender religion maritalstatus insurancetype bpsystolic o2sat heartrate respirationrate bpdiastolic

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	
Model	28	291.89094	10.42468	15.15	
Error	2680	1844.51498	0.68825		
Corrected Total	2708	2136.40592			

Root MSE	0.82961
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AIC	1727.76008
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Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	1.359728	0.478583	2.84
is30dayreadmit 0	1	-0.174406	0.048362	-3.61
is30dayreadmit 1	0	0	.	.
month 1	1	0.569440	0.298300	1.91
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month 4	1	0.597579	0.297467	2.01
month 5	1	0.591271	0.299906	1.97
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month 10	1	0.399870	0.474722	0.84
month 11	1	0.486201	0.307918	1.58
month 12	0	0	.	.
cindex 0	1	-0.235764	0.046148	-5.11
cindex 1	1	-0.147229	0.048042	-3.06
cindex 2	0	0	.	.

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	**DF**	**Estimate**	**Standard Error**	**t Value**
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evisit 1	1	-0.225105	0.049106	-4.58
evisit 2	1	-0.155707	0.053884	-2.89
evisit 3	1	0.041746	0.063062	0.66
evisit 4	0	0	.	.
ageyear	1	0.009234	0.001097	8.42
gender 0	1	-0.066095	0.033345	-1.98
gender 1	0	0	.	.
religion 0	1	-0.135208	0.073561	-1.84
religion 1	0	0	.	.
maritalstatus 0	1	0.079679	0.033106	2.41
maritalstatus 1	0	0	.	.
insurancetype 1	1	-0.235374	0.076207	-3.09
insurancetype 2	1	-0.166595	0.080674	-2.07
insurancetype 3	0	0	.	.
bpsystolic	1	-0.004368	0.001181	-3.70
o2sat	1	-0.005120	0.003024	-1.69
heartrate	1	0.006118	0.001264	4.84
respirationrate	1	0.019184	0.005870	3.27
bpdiastolic	1	-0.004586	0.001997	-2.30