

The CONTENTS Procedure

Data Set Name	WORK.BMISAT	Observations	2709
Member Type	DATA	Variables	22
Engine	V9	Indexes	0
Created	12/12/2017 15:59:14	Observation Length	176
Last Modified	12/12/2017 15:59:14	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_workD4A200018F3C_odaws01-prod-us/SAS_work2B9A00018F3C_odaws01-prod-us/bmisat.sas7bdat
Release Created	9.0401M4
Host Created	Linux
Inode Number	59899921
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
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
maritalstatus	2	0 1
insurancetype	3	1 2 3

Dimensions	
Number of Effects	16
Number of Parameters	31

The GLMSELECT Procedure

Forward Selection Summary					
Step	Effect Entered	Number Effects In	NumberParms 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	bpdiaстolic	11	16	3.65	0.0562
11	gender	12	17	3.52	0.0607
12	o2sat	13	18	2.80	0.0946

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

Stop Details				
Candidate For	Effect	Candidate Significance	Compare Significance	
Entry	temperature	0.3101	> 0.1500	(SLE)

The GLMSELECT Procedure Selected Model

The selected model is the model at the last step (Step 12).

Effects:	Intercept is30dayreadmit cindex evisit ageyear gender maritalstatus insurancetype bpsystolic o2sat heartrate respirationrate bpdiastolic
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Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	17	277.51587	16.32446	23.63
Error	2691	1858.89005	0.69078	
Corrected Total	2708	2136.40592		

Root MSE	0.83113
Dependent Mean	1.31546
R-Square	0.1299
Adj R-Sq	0.1244
AIC	1726.79060
AICC	1727.07323
SBC	-877.93138

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	1.888466	0.380583	4.96
is30dayreadmit 0	1	-0.176254	0.048409	-3.64
is30dayreadmit 1	0	0	.	.
cindex 0	1	-0.237985	0.046129	-5.16
cindex 1	1	-0.143701	0.048040	-2.99
cindex 2	0	0	.	.
evisit 0	1	-0.240150	0.045489	-5.28
evisit 1	1	-0.223857	0.049134	-4.56
evisit 2	1	-0.148897	0.053804	-2.77
evisit 3	1	0.045196	0.063021	0.72
evisit 4	0	0	.	.
ageyear	1	0.009605	0.001086	8.84
gender 0	1	-0.061727	0.033293	-1.85
gender 1	0	0	.	.
maritalstatus 0	1	0.076301	0.033060	2.31
maritalstatus 1	0	0	.	.
insurancetype 1	1	-0.233153	0.076092	-3.06

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
insurancetype 2	1	-0.165062	0.080581	-2.05
insurancetype 3	0	0	.	.
bpsystolic	1	-0.004593	0.001181	-3.89
o2sat	1	-0.005056	0.003024	-1.67
heartrate	1	0.006218	0.001264	4.92
respirationrate	1	0.019194	0.005875	3.27
bpdiaстolic	1	-0.004243	0.001993	-2.13

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
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
maritalstatus	2	0 1
insurancetype	3	1 2 3

Dimensions	
Number of Effects	16
Number of Parameters	31

The GLMSELECT Procedure

Backward Selection Summary					
Step	Effect Removed	Number Effects In	NumberParms In	F Value	Pr > F
0		16	23		
1	mews	15	20	0.38	0.7688
2	icu_flag	14	19	0.40	0.5266
3	temperature	13	18	1.03	0.3101

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

Stop Details					
Candidate For	Effect	Candidate Significance		Compare Significance	
Removal	o2sat	0.0946	<	0.1500	(SLS)

The GLMSELECT Procedure Selected Model

The selected model is the model at the last step (Step 3).

Effects:	Intercept is30dayreadmit cindex evisit ageyear gender maritalstatus insurancetype bpsystolic o2sat heartrate respirationrate bpdiastolic
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Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	17	277.51587	16.32446	23.63
Error	2691	1858.89005	0.69078	
Corrected Total	2708	2136.40592		

Root MSE	0.83113
Dependent Mean	1.31546
R-Square	0.1299
Adj R-Sq	0.1244
AIC	1726.79060
AICC	1727.07323
SBC	-877.93138

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	1.888466	0.380583	4.96
is30dayreadmit 0	1	-0.176254	0.048409	-3.64
is30dayreadmit 1	0	0	.	.
cindex 0	1	-0.237985	0.046129	-5.16
cindex 1	1	-0.143701	0.048040	-2.99
cindex 2	0	0	.	.
evisit 0	1	-0.240150	0.045489	-5.28
evisit 1	1	-0.223857	0.049134	-4.56
evisit 2	1	-0.148897	0.053804	-2.77
evisit 3	1	0.045196	0.063021	0.72
evisit 4	0	0	.	.
ageyear	1	0.009605	0.001086	8.84
gender 0	1	-0.061727	0.033293	-1.85
gender 1	0	0	.	.
maritalstatus 0	1	0.076301	0.033060	2.31
maritalstatus 1	0	0	.	.
insurancetype 1	1	-0.233153	0.076092	-3.06

The GLMSELECT Procedure
Selected Model

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
insurancetype 2	1	-0.165062	0.080581	-2.05
insurancetype 3	0	0	.	.
bpsystolic	1	-0.004593	0.001181	-3.89
o2sat	1	-0.005056	0.003024	-1.67
heartrate	1	0.006218	0.001264	4.92
respirationrate	1	0.019194	0.005875	3.27
bpdiaстolic	1	-0.004243	0.001993	-2.13

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
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
maritalstatus	2	0 1
insurancetype	3	1 2 3

Dimensions	
Number of Effects	16
Number of Parameters	31

The GLMSELECT Procedure

Stepwise Selection Summary						
Step	Effect Entered	Effect Removed	Number Effects In	NumberParms 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	o2sat		13	18	2.80	0.0946

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	temperature	0.3101	>	0.1500	(SLE)
Removal	o2sat	0.0946	<	0.1500	(SLS)

The GLMSELECT Procedure Selected Model

The selected model is the model at the last step (Step 12).

Effects:	Intercept is30dayreadmit cindex evisit ageyear gender maritalstatus insurancetype bpsystolic o2sat heartrate respirationrate bpdiastolic
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Analysis of Variance				
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evisit 1	1	-0.223857	0.049134	-4.56
evisit 2	1	-0.148897	0.053804	-2.77
evisit 3	1	0.045196	0.063021	0.72
evisit 4	0	0	.	.
ageyear	1	0.009605	0.001086	8.84
gender 0	1	-0.061727	0.033293	-1.85
gender 1	0	0	.	.
maritalstatus 0	1	0.076301	0.033060	2.31
maritalstatus 1	0	0	.	.
insurancetype 1	1	-0.233153	0.076092	-3.06

The GLMSELECT Procedure
Selected Model

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o2sat	1	-0.005056	0.003024	-1.67
heartrate	1	0.006218	0.001264	4.92
respirationrate	1	0.019194	0.005875	3.27
bpdiaстolic	1	-0.004243	0.001993	-2.13