

The CONTENTS Procedure

Data Set Name	WORK.BMISAT	Observations	2709
Member Type	DATA	Variables	22
Engine	V9	Indexes	0
Created	12/11/2017 12:40:58	Observation Length	176
Last Modified	12/11/2017 12:40:58	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_work221E0000A9B3_odaws03-prod-us/SAS_work8B870000A9B3_odaws03-prod-us/bmisat.sas7bdat
Release Created	9.0401M4
Host Created	Linux
Inode Number	55574545
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	SBC
Stop Criterion	SBC
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	NumberParms In	SBC
0	Intercept	1	1	-635.3602
1	ageyear	2	2	-754.7905
2	evisit	3	6	-809.5286
3	bpsystolic	4	7	-845.3812
4	cindex	5	9	-868.2371
5	heartrate	6	10	-884.4715
6	is30dayreadmit	7	11	-891.7887
7	respirationrate	8	12	-896.3357*

* Optimal Value of Criterion

Selection stopped at a local minimum of the SBC criterion.

Stop Details				
Candidate For	Effect	Candidate SBC		Compare SBC
Entry	insurancetype	-895.1158	>	-896.3357

The GLMSELECT Procedure Selected Model

The selected model is the model at the last step (Step 7).

Effects:	Intercept is30dayreadmit cindex evisit ageyear bpsystolic heartrate respirationrate
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Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	11	257.49444	23.40859	33.60
Error	2697	1878.91148	0.69667	
Corrected Total	2708	2136.40592		

Root MSE	0.83467
Dependent Mean	1.31546
R-Square	0.1205
Adj R-Sq	0.1169
AIC	1743.81224
AICC	1743.94731
SBC	-896.33574

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	1.053157	0.210308	5.01
is30dayreadmit 0	1	-0.184697	0.048517	-3.81
is30dayreadmit 1	0	0	.	.
cindex 0	1	-0.253535	0.046113	-5.50
cindex 1	1	-0.152867	0.048053	-3.18
cindex 2	0	0	.	.
evisit 0	1	-0.251670	0.045448	-5.54
evisit 1	1	-0.228862	0.049298	-4.64
evisit 2	1	-0.149835	0.053965	-2.78
evisit 3	1	0.046259	0.063240	0.73
evisit 4	0	0	.	.
ageyear	1	0.010378	0.000935	11.10
bpsystolic	1	-0.005811	0.001002	-5.80
heartrate	1	0.005582	0.001236	4.52
respirationrate	1	0.020749	0.005887	3.52

The GLMSELECT Procedure

Data Set	WORK.BMISAT
Dependent Variable	losdays2_log
Selection Method	Backward
Select Criterion	SBC
Stop Criterion	SBC
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	NumberParms In	SBC
0		19	35	-768.8042
1	month	18	25	-830.1019
2	mews	17	22	-852.3112
3	icu_flag	16	21	-859.7360
4	temperature	15	20	-866.6362
5	bmi	14	19	-873.4345
6	o2sat	13	18	-878.3934
7	religion	12	17	-883.0218
8	gender	11	16	-887.3841
9	bpdiastolic	10	15	-891.6189
10	maritalstatus	9	14	-895.1158
11	insurancetype	8	12	-896.3357*
* Optimal Value of Criterion				

Selection stopped at a local minimum of the SBC criterion.

Stop Details				
Candidate For	Effect	Candidate SBC	Compare SBC	
Removal	respirationrate	-891.7887	>	-896.3357

The GLMSELECT Procedure Selected Model

The selected model is the model at the last step (Step 11).

Effects:	Intercept is30dayreadmit cindex evisit ageyear bpsystolic heartrate respirationrate
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Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	11	257.49444	23.40859	33.60
Error	2697	1878.91148	0.69667	
Corrected Total	2708	2136.40592		

Root MSE	0.83467
Dependent Mean	1.31546
R-Square	0.1205
Adj R-Sq	0.1169
AIC	1743.81224
AICC	1743.94731
SBC	-896.33574

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	1.053157	0.210308	5.01
is30dayreadmit 0	1	-0.184697	0.048517	-3.81
is30dayreadmit 1	0	0	.	.
cindex 0	1	-0.253535	0.046113	-5.50
cindex 1	1	-0.152867	0.048053	-3.18
cindex 2	0	0	.	.
evisit 0	1	-0.251670	0.045448	-5.54
evisit 1	1	-0.228862	0.049298	-4.64
evisit 2	1	-0.149835	0.053965	-2.78
evisit 3	1	0.046259	0.063240	0.73
evisit 4	0	0	.	.
ageyear	1	0.010378	0.000935	11.10
bpsystolic	1	-0.005811	0.001002	-5.80
heartrate	1	0.005582	0.001236	4.52
respirationrate	1	0.020749	0.005887	3.52

The GLMSELECT Procedure

Data Set	WORK.BMISAT
Dependent Variable	losdays2_log
Selection Method	Stepwise
Select Criterion	SBC
Stop Criterion	SBC
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	NumberParms In	SBC
0	Intercept		1	1	-635.3602
1	ageyear		2	2	-754.7905
2	evisit		3	6	-809.5286
3	bpsystolic		4	7	-845.3812
4	cindex		5	9	-868.2371
5	heartrate		6	10	-884.4715
6	is30dayreadmit		7	11	-891.7887
7	respirationrate		8	12	-896.3357*
* Optimal Value of Criterion					

Selection stopped at a local minimum of the SBC criterion.

Stop Details				
Candidate For	Effect	Candidate SBC		Compare SBC
Entry	insurancetype	-895.1158	>	-896.3357
Removal	respirationrate	-891.7887	>	-896.3357

The GLMSELECT Procedure Selected Model

The selected model is the model at the last step (Step 7).

Effects:	Intercept is30dayreadmit cindex evisit ageyear bpsystolic heartrate respirationrate
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Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	11	257.49444	23.40859	33.60
Error	2697	1878.91148	0.69667	
Corrected Total	2708	2136.40592		

Root MSE	0.83467
Dependent Mean	1.31546
R-Square	0.1205
Adj R-Sq	0.1169
AIC	1743.81224
AICC	1743.94731
SBC	-896.33574

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	1.053157	0.210308	5.01
is30dayreadmit 0	1	-0.184697	0.048517	-3.81
is30dayreadmit 1	0	0	.	.
cindex 0	1	-0.253535	0.046113	-5.50
cindex 1	1	-0.152867	0.048053	-3.18
cindex 2	0	0	.	.
evisit 0	1	-0.251670	0.045448	-5.54
evisit 1	1	-0.228862	0.049298	-4.64
evisit 2	1	-0.149835	0.053965	-2.78
evisit 3	1	0.046259	0.063240	0.73
evisit 4	0	0	.	.
ageyear	1	0.010378	0.000935	11.10
bpsystolic	1	-0.005811	0.001002	-5.80
heartrate	1	0.005582	0.001236	4.52
respirationrate	1	0.020749	0.005887	3.52