The CONTENTS Procedure

Data Set Name	WORK.DATA_FINAL	**Observations**	2568
Member Type	DATA	**Variables**	19
Engine	V9	**Indexes**	0
Created	12/13/2017 16:53:02	**Observation Length**	192
Last Modified	12/13/2017 16:53:02	**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	682
Obs in First Data Page	659
Number of Data Set Repairs	0
Filename	/saswork/SAS_work39E00001DDB0_odaws01-prod-us/SAS_work51750001DDB0_odaws01-prod-us/data_final.sas7bdat
Release Created	9.0401M4
Host Created	Linux
Inode Number	34340884
Access Permission	rw-r--r--
Owner Name	ag39140
File Size	640KB
File Size (bytes)	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.

The GLMSELECT Procedure

Data Set	WORK.DATA_FINAL
Dependent Variable	log_losday
Selection Method	Backward
Select Criterion	Significance Level
Stop Criterion	Significance Level
Stay Significance Level (SLS)	0.1
Effect Hierarchy Enforced	None

Number of Observations Read	2568
Number of Observations Used	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

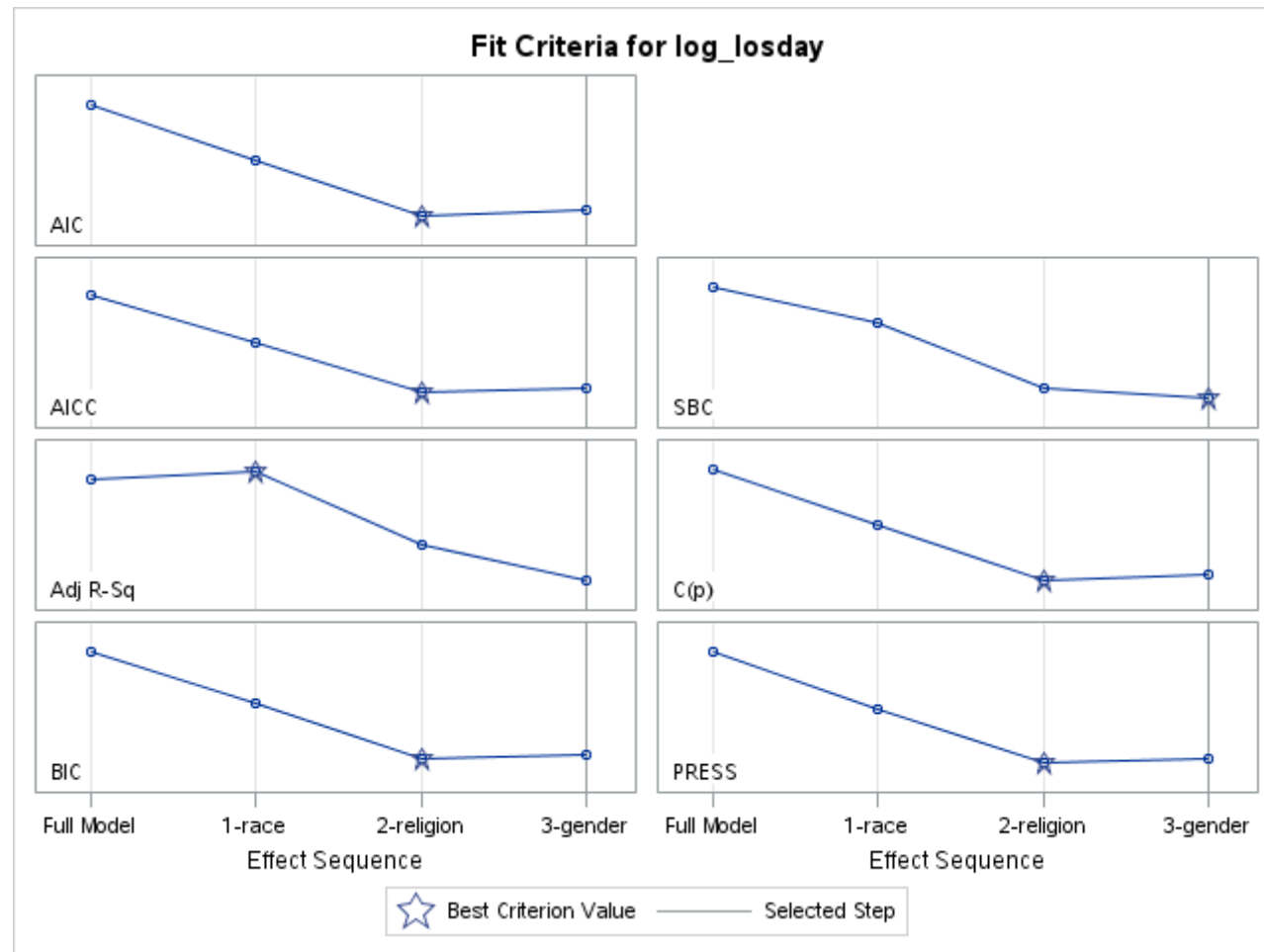| Class	Levels	Values
facilityname	7	LIJ Forest Hills LIJ Valley Stream Long Island Jewish Hospital NSUH Other Plainview Hospital Southside Hospital
is30dayreadmit	2	0 1
cindex_cat	4	Mild Modera Normal severe
evisit	5	0 1 2 3 4

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
3	gender	14	28	0.1368	0.1276	1534.0436	1534.7292	-1033.4217	31.7033	-872.1317*	1718.1851	0.6536	2.35	0.1255
* Optimal Value of Criterion														

Selection stopped because the next candidate for removal has SLS < 0.1.

Stop Details

Candidate For	Effect	Candidate Significance		Compare Significance	
Removal	facilityname	0.0637	<	0.1000	(SLS)

Fit Criteria for log_losday

The GLMSELECT Procedure
Selected Model

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

Effects:	Intercept is30dayreadmit cindex_cat evisit ageyear bpsystolic o2sat temperature heartrate respirationrate maritalstatus insurancetype facilityname bpdiastolic

Analysis of Variance				
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**
Model	27	265.93115	9.84930	14.90
Error	2540	1678.51711	0.66083	

Results: FinalProject_code.sas

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

Root MSE	0.81292
Dependent Mean	1.31881
R-Square	0.1368
Adj R-Sq	0.1276
AIC	1534.04363
AICC	1534.72921
BIC	-1033.42165
C(p)	31.70330
PRESS	1718.18514
SBC	-872.13165
ASE	0.65363

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	3.163318	1.494457	2.12
is30dayreadmit 0	1	-0.202613	0.048594	-4.17
is30dayreadmit 1	0	0	.	.
cindex_cat Mild	1	-0.207545	0.046656	-4.45
cindex_cat Modera	1	-0.126347	0.060995	-2.07
cindex_cat Normal	1	-0.221648	0.049715	-4.46
cindex_cat severe	0	0	.	.
evisit 0	1	-0.221357	0.046084	-4.80
evisit 1	1	-0.192513	0.049459	-3.89
evisit 2	1	-0.135489	0.054112	-2.50
evisit 3	1	0.023621	0.063853	0.37
evisit 4	0	0	.	.
ageyear	1	0.008805	0.001238	7.11
bpsystolic	1	-0.004571	0.001202	-3.80
o2sat	1	-0.039632	0.011430	-3.47
temperature	1	0.054950	0.024537	2.24
heartrate	1	0.005733	0.001265	4.53
respirationrate	1	0.014351	0.005914	2.43

Parameter Estimates				
Parameter	**DF**	**Estimate**	**Standard Error**	**t Value**
maritalstatus Divorced	1	-0.084405	0.075675	-1.12
maritalstatus Married	1	-0.057912	0.047303	-1.22
maritalstatus Separate	1	0.183676	0.141210	1.30
maritalstatus Single	1	0.053882	0.056836	0.95
maritalstatus Widowed	0	0	.	.
insurancetype Medicaid	1	0.260073	0.076828	3.39
insurancetype Medicare	1	0.063678	0.038213	1.67
insurancetype Private	0	0	.	.
facilityname LIJ Forest Hills	1	0.050758	0.057944	0.88
facilityname LIJ Valley Stream	1	0.077676	0.063587	1.22
facilityname Long Island Jewish Hospital	1	0.070629	0.056653	1.25
facilityname NSUH	1	0.161555	0.051993	3.11
facilityname Other	1	-0.035197	0.118311	-0.30
facilityname Plainview Hospital	1	0.103510	0.070328	1.47
facilityname Southside Hospital	0	0	.	.
bpdiastolic	1	-0.004748	0.002027	-2.34