The CONTENTS Procedure

Data Set Name	WORK.DAT	**Observations**	188
Member Type	DATA	**Variables**	8
Engine	V9	**Indexes**	0
Created	05/05/2019 13:24:20	**Observation Length**	48
Last Modified	05/05/2019 13:24:20	**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	1
First Data Page	1
Max Obs per Page	2722
Obs in First Data Page	188
Number of Data Set Repairs	0
Filename	/saswork/SAS_workF6CA00011F3B_odaws01-prod-us/SAS_workE83500011F3B_odaws01-prod-us/dat.sas7bdat
Release Created	9.0401M5
Host Created	Linux
Inode Number	604181
Access Permission	rw-r--r--
Owner Name	sk43820
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes					
#	**Variable**	**Type**	**Len**	**Format**	**Informat**
3	Age	Num	8	BEST12.	BEST32.
6	Day	Char	3	$3.	$3.
4	Gender	Char	3	$3.	$3.
7	MEM_Comp	Num	8	BEST12.	BEST32.
2	Subject_ID	Num	8	BEST12.	BEST32.
5	Treatment_Group	Char	3	$3.	$3.
1	VAR1	Char	4	$4.	$4.
8	missing	Num	8	BEST12.	BEST32.

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DAT
Response Variable	missing
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	141
Number of Observations Used	141

Response Profile		
Ordered Value	**missing**	**Total Frequency**
1	0	111
2	1	30

Probability modeled is missing='0'.

Class Level Information			
Class	**Value**	**Design Variables**	
Gender	**F**	0	
	M	1	
Treatment_Group	**A**	0	0
	B	1	0
	C	0	1
Day	**19**	1	0
	5	0	0
	90	0	1

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	147.963	140.866
SC	150.912	161.507
-2 Log L	145.963	126.866

The LOGISTIC Procedure

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	19.0969	6	0.0040
Score	16.1971	6	0.0127
Wald	12.5055	6	0.0516

Type 3 Analysis of Effects			
Effect	**DF**	**Wald Chi-Square**	**Pr > ChiSq**
Age	1	1.3188	0.2508
Gender	1	1.1468	0.2842
Treatment_Group	2	0.2457	0.8844
Day	2	9.9767	0.0068

Analysis of Maximum Likelihood Estimates						
Parameter		**DF**	**Estimate**	**Standard Error**	**Wald Chi-Square**	**Pr > ChiSq**
Intercept		1	1.9158	1.2183	2.4726	0.1158
Age		1	0.0288	0.0251	1.3188	0.2508
Gender	**M**	1	0.4825	0.4506	1.1468	0.2842
Treatment_Group	**B**	1	-0.2685	0.5457	0.2420	0.6227
Treatment_Group	**C**	1	-0.1027	0.5357	0.0368	0.8479
Day	**19**	1	-2.0763	0.8012	6.7148	0.0096
Day	**90**	1	-2.4990	0.7913	9.9728	0.0016

Odds Ratio Estimates			
Effect	**Point Estimate**	**95% Wald Confidence Limits**	
Age	1.029	0.980	1.081
Gender M vs F	1.620	0.670	3.918
Treatment_Group B vs A	0.765	0.262	2.228
Treatment_Group C vs A	0.902	0.316	2.578
Day 19 vs 5	0.125	0.026	0.603
Day 90 vs 5	0.082	0.017	0.388

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	73.2	**Somers' D**	0.466
Percent Discordant	26.7	**Gamma**	0.466
Percent Tied	0.1	**Tau-a**	0.157
Pairs	3330	**c**	0.733

The Mixed Procedure

Model Information	
Data Set	WORK.DAT
Dependent Variable	MEM_Comp
Covariance Structure	Unstructured
Subject Effect	Subject_ID
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Empirical
Degrees of Freedom Method	Containment

Dimensions	
Covariance Parameters	2
Columns in X	16
Columns in Z per Subject	1
Subjects	188
Max Obs per Subject	1

Number of Observations	
Number of Observations Read	188
Number of Observations Used	158
Number of Observations Not Used	30

Iteration History			
Iteration	**Evaluations**	**-2 Res Log Like**	**Criterion**
0	1	433.12920769	
1	1	433.12920769	0.00000000

Convergence criteria met.

Covariance Parameter Estimates		
Cov Parm	**Subject**	**Estimate**
UN(1,1)	Subject_ID	0.4084
Residual		0.4667

The Mixed Procedure

Fit Statistics	
-2 Res Log Likelihood	433.1
AIC (Smaller is Better)	437.1
AICC (Smaller is Better)	437.2
BIC (Smaller is Better)	443.6

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
1	0.00	1.0000

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Age	1	0	2.41	.
Gender	1	0	0.11	.
Treatment_Group*Day	11	0	0.72	.

The CONTENTS Procedure

Data Set Name	WORK.DAT_BASELINE	**Observations**	188
Member Type	DATA	**Variables**	9
Engine	V9	**Indexes**	0
Created	05/05/2019 13:24:42	**Observation Length**	72
Last Modified	05/05/2019 13:24:42	**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	1
First Data Page	1
Max Obs per Page	1816
Obs in First Data Page	188
Number of Data Set Repairs	0
Filename	/saswork/SAS_workF6CA00011F3B_odaws01-prod-us/SAS_workE83500011F3B_odaws01-prod-us/dat_baseline.sas7bdat
Release Created	9.0401M5
Host Created	Linux
Inode Number	599721
Access Permission	rw-r--r--
Owner Name	sk43820
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes			
#	**Variable**	**Type**	**Len**
3	Age	Num	8
7	Day	Char	8
4	Gender	Char	8
1	ID	Num	8
8	MEM_Comp	Num	8
2	Subject_ID	Num	8
5	Treatment_Group	Char	8

The CONTENTS Procedure

Alphabetic List of Variables and Attributes			
#	Variable	Type	Len
6	baseline	Num	8
9	missing	Num	8

The MI Procedure

Model Information	
Data Set	WORK.DAT_BASELINE
Method	FCS
Number of Imputations	5
Number of Burn-in Iterations	20
Seed for random number generator	2019

FCS Model Specification	
Method	**Imputed Variables**
Regression	MEM_Comp
Discriminant Function	Day

Missing Data Patterns					
					Group Means
Group	**Day**	**MEM_Comp**	**Freq**	**Percent**	**MEM_Comp**
1	X	X	158	84.04	-0.012913
2	X	.	30	15.96	.

Regression Models for FCS Method							
			Imputation				
Imputed Variable	**Effect**	**Day**	**1**	**2**	**3**	**4**	**5**
MEM_Comp	Intercept		-0.068385	0.008215	-0.148354	-0.083327	0.087489
MEM_Comp	Day	19	-0.215014	-0.012135	0.255442	0.318149	-0.068269
MEM_Comp	Day	5	0.083516	-0.009356	-0.063220	-0.225990	0.110098
MEM_Comp	Day	90	0.057480	-0.116168	-0.165625	-0.225153	-0.205206

Variance Information (5 Imputations)							
	Variance						
Variable	**Between**	**Within**	**Total**	**DF**	**Relative Increase in Variance**	**Fraction Missing Information**	**Relative Efficiency**
MEM_Comp	0.001119	0.004697	0.006040	51.787	0.285927	0.240887	0.954037

Parameter Estimates (5 Imputations)										
Variable	**Mean**	**Std Error**	**95% Confidence Limits**		**DF**	**Minimum**	**Maximum**	**Mu0**	**t for H0: Mean=Mu0**	**Pr > |t|**
MEM_Comp	-0.036897	0.077720	-0.19287	0.119074	51.787	-0.093731	-0.006559	0	-0.47	0.6370

First 10 Observations of Imputed Dataset, MAR

Obs	_Imputation_	ID	Subject_ID	Age	Gender	Treatment_Group	baseline	Day	MEM_Comp	missing
1	1	1	1021	44	M	C	-0.03390	bl	-0.03390	0
2	1	2	1022	40	M	B	-0.12181	bl	-0.12181	0
3	1	3	1023	52	F	A	0.85595	bl	0.85595	0
4	1	4	1024	50	M	A	0.72367	bl	0.72367	0
5	1	5	1026	44	F	A	0.54926	bl	0.54926	0
6	1	6	1027	46	M	C	-0.53130	bl	-0.53130	0
7	1	7	1028	34	M	B	1.63589	bl	1.63589	0
8	1	8	1029	48	M	B	-0.70933	bl	-0.70933	0
9	1	9	1030	40	F	B	-0.86834	bl	-0.86834	0
10	1	10	1031	38	F	C	0.30716	bl	0.30716	0

First 10 Observations of Imputed Dataset, MAR

The MI Procedure

Model Information	
Data Set	WORK.DAT_BASELINE
Method	FCS
Number of Imputations	5
Number of Burn-in Iterations	20
Seed for random number generator	2019

FCS Model Specification	
Method	**Imputed Variables**
Regression	baseline MEM_Comp

Missing Data Patterns						
					Group Means	
Group	**baseline**	**MEM_Comp**	**Freq**	**Percent**	**baseline**	**MEM_Comp**
1	X	X	158	84.04	-0.030195	-0.012913
2	X	.	30	15.96	0.159028	.

Regression Models for FCS Method						
		Imputation				
Imputed Variable	**Effect**	**1**	**2**	**3**	**4**	**5**
MEM_Comp	Intercept	0.095943	0.029090	0.024337	0.005097	-0.021157
MEM_Comp	baseline	0.818376	0.913654	0.820355	0.819874	0.869816

Variance Information (5 Imputations)							
	Variance						
Variable	**Between**	**Within**	**Total**	**DF**	**Relative Increase in Variance**	**Fraction Missing Information**	**Relative Efficiency**
MEM_Comp	0.000338	0.004612	0.005018	133.02	0.088054	0.083923	0.983493

Parameter Estimates (5 Imputations)										
Variable	**Mean**	**Std Error**	**95% Confidence Limits**		**DF**	**Minimum**	**Maximum**	**Mu0**	**t for H0: Mean=Mu0**	**Pr > |t|**
MEM_Comp	0.027512	0.070837	-0.11260	0.167626	133.02	0.004122	0.049167	0	0.39	0.6984

First 10 Observations of Imputed Dataset, MNAR

Obs	_Imputation_	ID	Subject_ID	Age	Gender	Treatment_Group	baseline	Day	MEM_Comp	missing
1	1	1	1021	44	M	C	-0.03390	bl	-0.03390	0
2	1	2	1022	40	M	B	-0.12181	bl	-0.12181	0
3	1	3	1023	52	F	A	0.85595	bl	0.85595	0
4	1	4	1024	50	M	A	0.72367	bl	0.72367	0
5	1	5	1026	44	F	A	0.54926	bl	0.54926	0
6	1	6	1027	46	M	C	-0.53130	bl	-0.53130	0
7	1	7	1028	34	M	B	1.63589	bl	1.63589	0
8	1	8	1029	48	M	B	-0.70933	bl	-0.70933	0
9	1	9	1030	40	F	B	-0.86834	bl	-0.86834	0
10	1	10	1031	38	F	C	0.30716	bl	0.30716	0