

The MI Procedure

Model Information

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Data Set          WORK.SAMPLE
Method           MCMC
Multiple Imputation Chain Single Chain
Initial Estimates for MCMC EM Posterior Mode
Start            Starting Value
Prior            Jeffreys
Number of Imputations 20
Number of Burn-in Iterations 200
Number of Iterations 100
Seed for random number generator 12345555
```

Missing Data Patterns

Group	COVAR1	COVAR2	COVAR3	VAR1_1	VAR2_1	VAR3_1	VAR4_1	VAR5_1	Freq	Percent
1	X	X	X	X	X	X	X	X	98	98.00
2	X	X	X	X	X	X	X	.	1	1.00
3	X	X	X	.	X	X	X	X	1	1.00

Missing Data Patterns

Group	COVAR1	COVAR2	COVAR3	VAR1_1	VAR2_1	VAR3_1
1	78.724490	0.500000	12.448980	26.094434	97.441910	26.653061
2	81.000000	1.000000	12.000000	23.772998	17.899994	28.000000
3	72.000000	1.000000	9.000000	.	25.000000	22.000000

Missing Data Patterns

Group	VAR4_1	VAR5_1
1	7.211916	23.122449
2	15.076172	.
3	17.589844	16.000000

EM (Posterior Mode) Estimates

TYPE	_NAME_	COVAR1	COVAR2	COVAR3	VAR1_1	VAR2_1
MEAN		78.680000	0.510000	12.410000	26.097207	95.922072
COV	COVAR1	25.282202	-0.345688	-0.136514	-3.895036	-86.914961
COV	COVAR2	-0.345688	0.229266	-0.246881	0.366918	-6.689052
COV	COVAR3	-0.136514	-0.246881	7.157706	-4.395521	34.919839
COV	VAR1_1	-3.895036	0.366918	-4.395521	22.591944	-34.618002

The MI Procedure

EM (Posterior Mode) Estimates

TYPE	_NAME_	COVAR1	COVAR2	COVAR3	VAR1_1	VAR2_1
COV	VAR2_1	-86.914961	-6.689052	34.919839	-34.618002	3538.169934
COV	VAR3_1	-2.423486	-0.051560	3.225505	-0.121702	52.533832
COV	VAR4_1	4.341968	0.573535	-6.071266	6.304395	-121.066441
COV	VAR5_1	-0.934885	-0.019069	1.297177	1.162438	5.443173

EM (Posterior Mode) Estimates

VAR3_1	VAR4_1	VAR5_1
26.620000	7.394338	23.039214
-2.423486	4.341968	-0.934885
-0.051560	0.573535	-0.019069
3.225505	-6.071266	1.297177
-0.121702	6.304395	1.162438
52.533832	-121.066441	5.443173
6.986789	-4.386602	0.609280
-4.386602	48.091342	-5.678277
0.609280	-5.678277	20.157385

Multiple Imputation Variance Information

Variable	-----Variance-----			DF
	Between	Within	Total	
VAR1_1	0.001916	0.248298	0.250309	96.247
VAR5_1	0.001293	0.221249	0.222607	96.449

Multiple Imputation Variance Information

Variable	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
VAR1_1	0.008101	0.008043	0.999598
VAR5_1	0.006135	0.006102	0.999695

Multiple Imputation Parameter Estimates

Variable	Mean	Std Error	95% Confidence Limits		DF
VAR1_1	26.086682	0.500309	25.09361	27.07976	96.247
VAR5_1	23.038349	0.471812	22.10186	23.97483	96.449

The MI Procedure

Multiple Imputation Parameter Estimates

Variable	Minimum	Maximum	Mu0	t for H0:	
				Mean=Mu0	Pr > t
VAR1_1	26.025247	26.154897	0	52.14	<.0001
VAR5_1	22.982688	23.123442	0	48.83	<.0001

The MEANS Procedure

fup_18m	N Obs	Variable	N	N Miss	Mean	Min	Median	Max
0	100	VAR1	100	0	26.1	17.6	25.8	46.9
		VAR2	100	0	95.9	0.0	78.7	295.3
		VAR3	100	0	26.6	17.0	27.0	30.0
		VAR4	100	0	7.4	-2.5	7.1	27.6
		VAR5	100	0	23.0	8.0	24.0	28.0
1	91	VAR1	91	0	26.1	17.4	25.7	40.7
		VAR2	91	0	80.0	0.0	75.3	206.8
		VAR3	91	0	25.7	0.0	27.0	30.0
		VAR4	91	0	8.6	-2.5	7.3	27.6
		VAR5	91	0	21.5	2.0	23.0	28.0
2	81	VAR1	81	0	26.2	17.5	25.8	40.4
		VAR2	81	0	82.6	0.0	75.9	420.8
		VAR3	81	0	25.5	1.0	26.0	30.0
		VAR4	81	0	9.2	-2.5	7.1	35.2
		VAR5	81	0	23.2	8.0	24.0	28.0
3	70	VAR1	70	0	26.2	17.4	26.3	38.2
		VAR2	70	0	69.3	0.0	57.0	184.7
		VAR3	70	0	24.3	5.0	26.0	30.0
		VAR4	70	0	8.6	-2.5	8.4	27.6
		VAR5	70	0	23.0	2.0	24.0	28.0
4	58	VAR1	58	0	25.9	15.7	26.1	40.4
		VAR2	58	0	73.0	-15.1	61.0	196.8
		VAR3	58	0	24.7	2.0	27.0	30.0
		VAR4	58	0	10.7	-2.5	9.4	32.9
		VAR5	58	0	22.8	5.8	24.0	49.6
5	51	VAR1	51	0	25.4	13.5	25.4	36.9
		VAR2	51	0	54.2	0.0	52.5	169.0
		VAR3	51	0	24.6	11.0	26.0	30.0
		VAR4	51	0	10.4	-2.5	9.4	30.2
		VAR5	51	0	22.2	0.0	23.0	30.1