

Explore 

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
X6 - Product Quality	100	100.0%	0	.0%	100	100.0%

Descriptives

		Statistic	Std. Error	
X6 - Product Quality	Mean	7.810	.1396	
	95% Confidence Interval for Mean	Lower Bound	7.533	
		Upper Bound	8.087	
	5% Trimmed Mean	7.833		
	Median	8.000		
	Variance	1.950		
	Std. Deviation	1.3963		
	Minimum	5.0		
	Maximum	10.0		
	Range	5.0		
	Interquartile Range	2.6		
	Skewness	-.245	.241	
	Kurtosis	-1.132	.478	

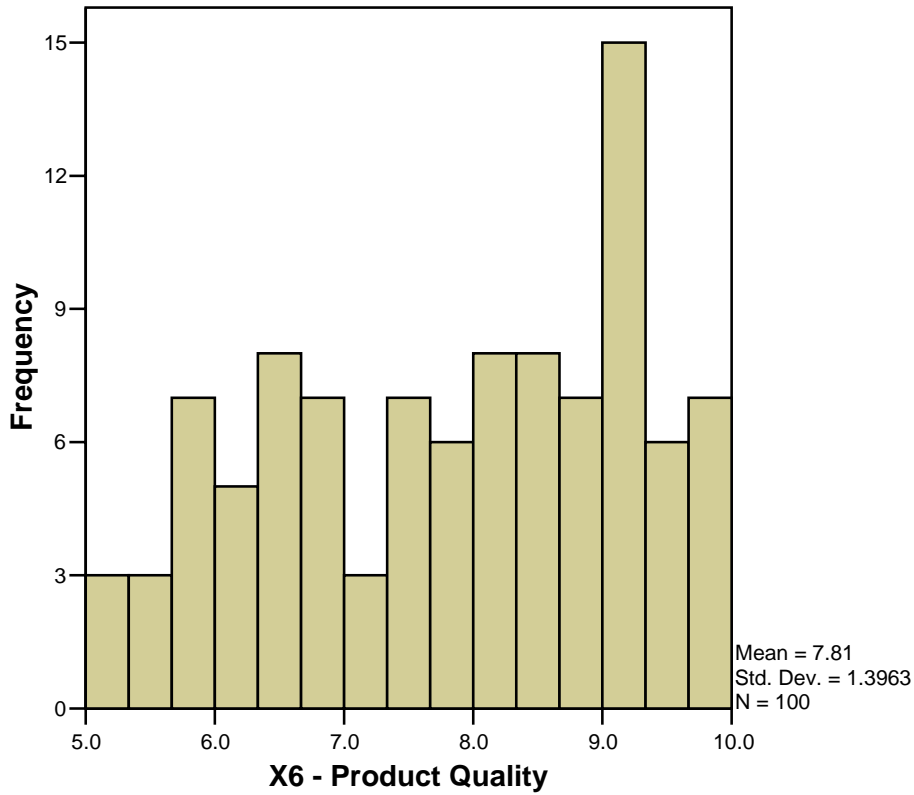
Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
X6 - Product Quality	.109	100	.005	.950	100	.001

a. Lilliefors Significance Correction

X6 - Product Quality

Histogram

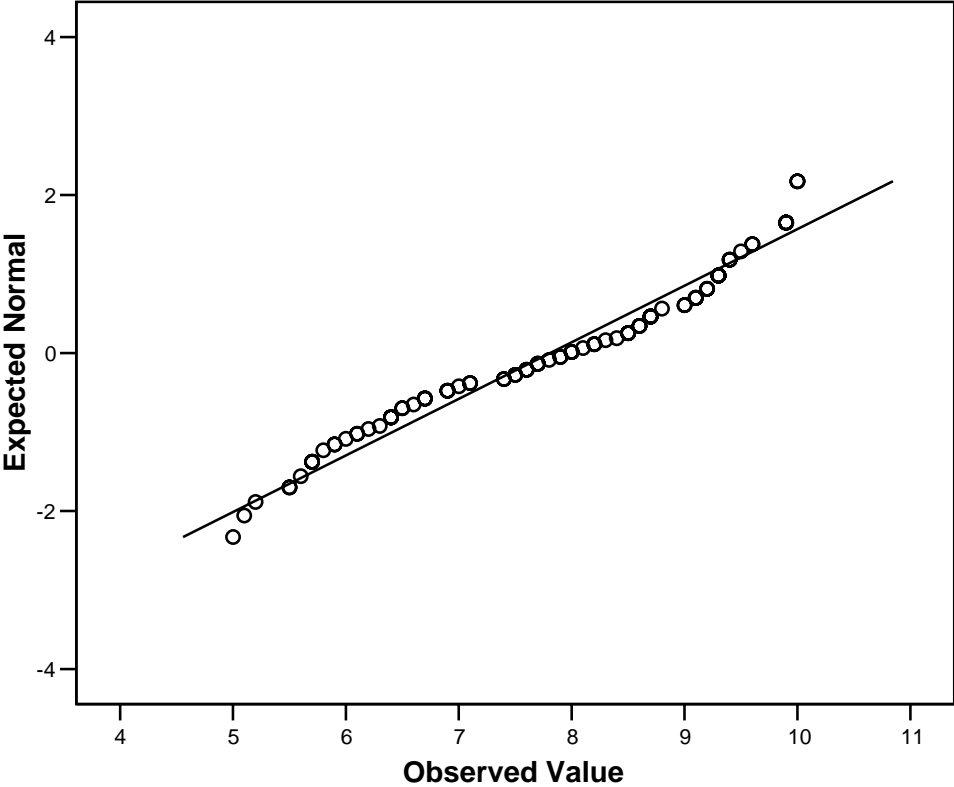


X6 - Product Quality Stem-and-Leaf Plot

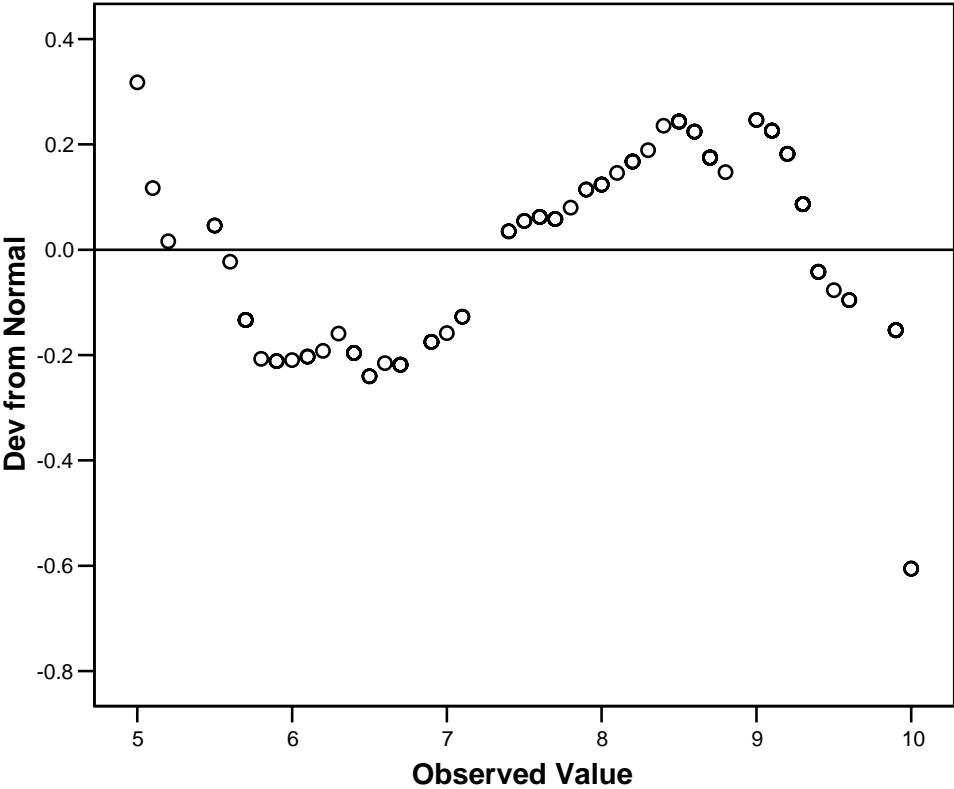
Frequency	Stem &	Leaf
3.00	5 .	012
10.00	5 .	5567777899
10.00	6 .	0112344444
10.00	6 .	5567777999
5.00	7 .	01144
11.00	7 .	55666777899
9.00	8 .	000122234
14.00	8 .	55556667777778
18.00	9 .	00111122233333444
8.00	9 .	56699999
2.00	10 .	00

Stem width: 1.0
Each leaf: 1 case(s)

Normal Q-Q Plot of X6 - Product Quality



Detrended Normal Q-Q Plot of X6 - Product Quality



Explore

X1 - Customer Type

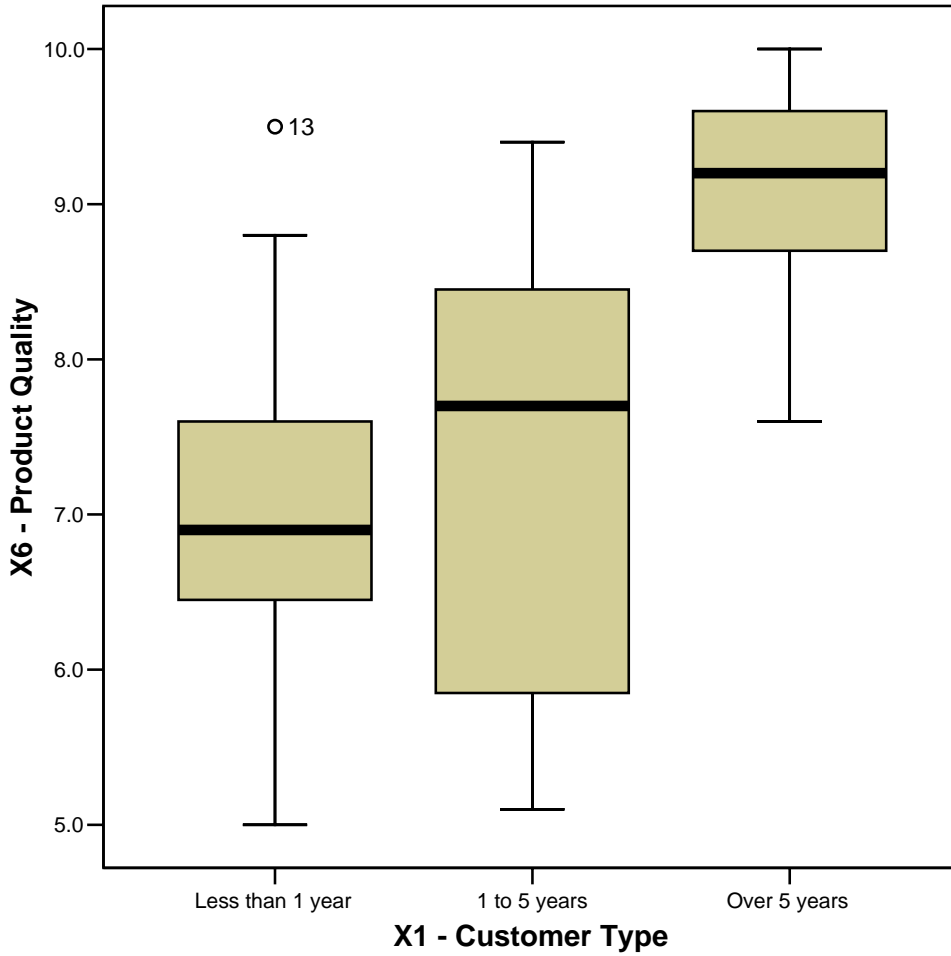
Case Processing Summary

		Cases	
		Valid	
X1 - Customer Type		N	Percent
X6 - Product Quality	Less than 1 year	32	100.0%
	1 to 5 years	35	100.0%
	Over 5 years	33	100.0%

Case Processing Summary

		Cases			
		Missing		Total	
		N	Percent	N	Percent
X6 - Product Quality	Less than 1 year	0	.0%	32	100.0%
	1 to 5 years	0	.0%	35	100.0%
	Over 5 years	0	.0%	33	100.0%

X6 - Product Quality



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X1 - Customer Type

BASIC DESCRIPTIVE STATISTICS AND GRAPHICS -- X6 BY X1

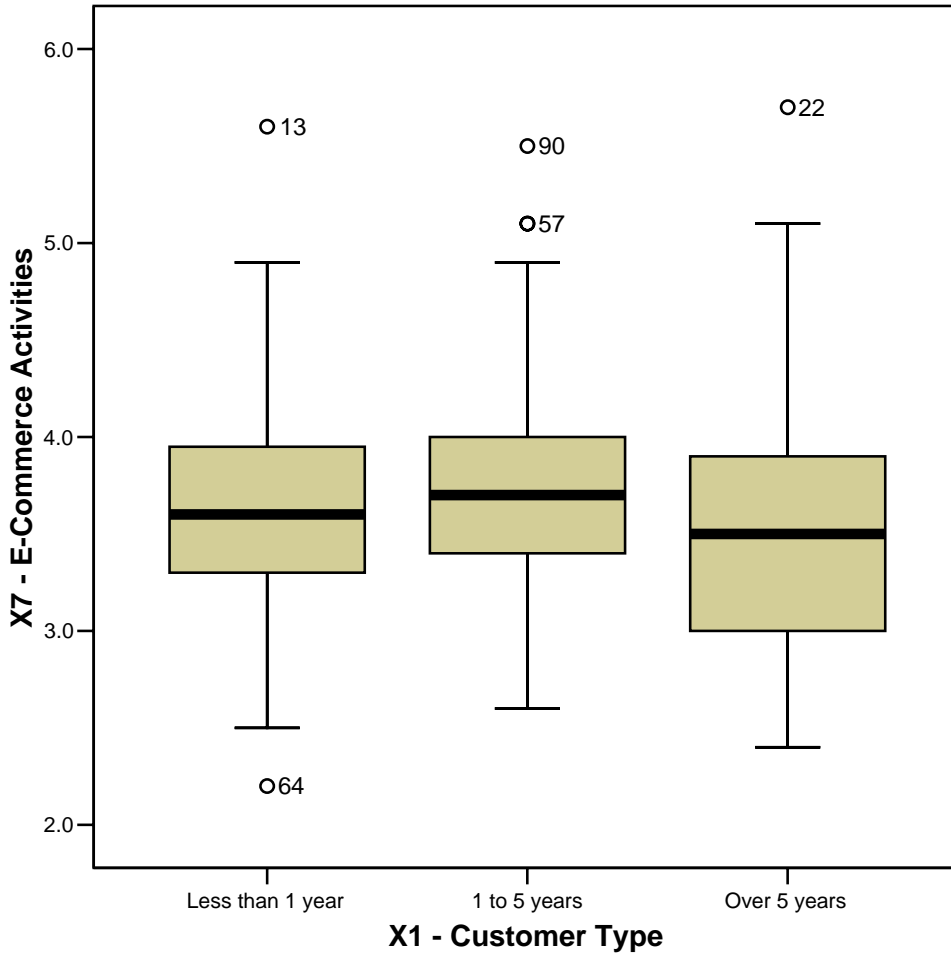
Case Processing Summary

		Cases	
		Valid	
		N	Percent
X7 - E-Commerce Activities	X1 - Customer Type Less than 1 year	32	100.0%
	1 to 5 years	35	100.0%
	Over 5 years	33	100.0%

Case Processing Summary

X1 - Customer Type		Cases			
		Missing		Total	
		N	Percent	N	Percent
X7 - E-Commerce Activities	Less than 1 year	0	.0%	32	100.0%
	1 to 5 years	0	.0%	35	100.0%
	Over 5 years	0	.0%	33	100.0%

X7 - E-Commerce Activities



Oneway

BASIC DESCRIPTIVE STATISTICS AND GRAPHICS -- X6 BY X1

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
X6 - Product Quality	Between Groups	83.078	2	41.539	36.652	.000
	Within Groups	109.932	97	1.133		
	Total	193.010	99			
X7 - E-Commerce Activities	Between Groups	.864	2	.432	.878	.419
	Within Groups	47.718	97	.492		
	Total	48.582	99			

Post Hoc Tests

Multiple Comparisons

Scheffe

Dependent Variable	(I) X1 - Customer Type	(J) X1 - Customer Type	Mean Difference (I-J)	Std. Error	Sig.
X6 - Product Quality	Less than 1 year	1 to 5 years	-.1431	.2604	.860
		Over 5 years	-2.0092*	.2641	.000
		1 to 5 years	.1431	.2604	.860
	1 to 5 years	Less than 1 year	-.1431	.2604	.860
		Over 5 years	-1.8661*	.2583	.000
		Over 5 years	2.0092*	.2641	.000
X7 - E-Commerce Activities	Less than 1 year	1 to 5 years	-.1050	.1715	.829
		Over 5 years	.1205	.1740	.787
		1 to 5 years	.1050	.1715	.829
	1 to 5 years	Less than 1 year	-.1050	.1715	.829
		Over 5 years	.2255	.1702	.419
		Over 5 years	-.1205	.1740	.787
		1 to 5 years	-.2255	.1702	.419

BASIC DESCRIPTIVE STATISTICS AND GRAPHICS -- X6 BY X1

Multiple Comparisons

Scheffe

Dependent Variable	(I) X1 - Customer Type	(J) X1 - Customer Type	95% Confidence Interval	
			Lower Bound	Upper Bound
X6 - Product Quality	Less than 1 year	1 to 5 years	-.790	.504
		Over 5 years	-2.666	-1.353
	1 to 5 years	Less than 1 year	-.504	.790
		Over 5 years	-2.508	-1.224
	Over 5 years	Less than 1 year	1.353	2.666
		1 to 5 years	1.224	2.508
X7 - E-Commerce Activities	Less than 1 year	1 to 5 years	-.531	.321
		Over 5 years	-.312	.553
	1 to 5 years	Less than 1 year	-.321	.531
		Over 5 years	-.198	.649
	Over 5 years	Less than 1 year	-.553	.312
		1 to 5 years	-.649	.198

*. The mean difference is significant at the .05 level.

Homogeneous Subsets

X6 - Product Quality

Scheffe^{a,b}

X1 - Customer Type	N	Subset for alpha = .05	
		1	2
Less than 1 year	32	7.097	
1 to 5 years	35	7.240	
Over 5 years	33		9.106
Sig.		.861	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 33.287.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

X7 - E-Commerce Activities

Scheffe^{a,b}

X1 - Customer Type	N	Subset for alpha = .05
		1
Over 5 years	33	3.555
Less than 1 year	32	3.675
1 to 5 years	35	3.780
Sig.		.426

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 33.287.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Frequencies

Statistics

nmiss

N	Valid	70
	Missing	0

nmiss

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	.00	26	37.1	37.1	37.1
	1.00	15	21.4	21.4	58.6
	2.00	19	27.1	27.1	85.7
	3.00	4	5.7	5.7	91.4
	7.00	6	8.6	8.6	100.0
	Total	70	100.0	100.0	

MVA

Warnings

Since more than half of the cases are missing, error terms are randomly from a Normal distribution instead of chosen randomly from the observed residuals of complete cases.

Univariate Statistics

	N	Mean	Std. Deviation	Missing		No. of Extremes ^a	
				Count	Percent	Low	High
v1	49	4.008	.9318	21	30.0	0	0
v2	57	1.944	.8751	13	18.6	0	0
v3	53	8.062	1.4072	17	24.3	0	0
v4	63	5.168	1.1714	7	10.0	0	0
v5	61	2.856	.7760	9	12.9	0	0
v6	64	2.611	.7174	6	8.6	0	0
v7	61	6.823	1.6809	9	12.9	1	0
v8	61	46.033	9.3559	9	12.9	0	0
v9	63	4.759	.8319	7	10.0	0	0
v10	68			2	2.9		
v11	68			2	2.9		
v12	68			2	2.9		
v13	69			1	1.4		
v14	68			2	2.9		

a. Number of cases outside the range (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Summary of Estimated Means

	v1	v2	v3	v4	v5	v6	v7	v8	v9
Listwise	4.019	1.950	8.354	5.269	2.981	2.600	6.754	48.308	4.896
All Values	4.008	1.944	8.062	5.168	2.856	2.611	6.823	46.033	4.759
EM	3.686	2.104	8.019	5.178	2.848	2.630	6.932	45.791	4.737
Regression	3.866	2.022	7.966	5.129	2.855	2.591	6.959	45.464	4.712

Summary of Estimated Standard Deviations

	v1	v2	v3	v4	v5	v6	v7	v8	v9
Listwise	.9583	.8860	1.1697	1.1030	.4875	.7440	1.3848	8.0487	.8022
All Values	.9318	.8751	1.4072	1.1714	.7760	.7174	1.6809	9.3559	.8319
EM	1.1288	1.0490	1.3593	1.1459	.7757	.7129	1.6968	9.3689	.8185
Regression	.9547	.8593	1.3484	1.1254	.7842	.7089	1.6595	9.2571	.8319

Separate Variance t Tests^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9
t	.	-.3	1.6	2.4	2.9	1.7	-1.0	2.6	2.6
df	.	38.2	17.5	45.0	24.1	41.1	25.9	24.4	27.2
P(2-tail)	.	.757	.126	.019	.008	.101	.316	.016	.015
# Present	49	39	40	44	43	44	43	43	44
# Missing	0	18	13	19	18	20	18	18	19
Mean(Present)	4.008	1.921	8.255	5.373	3.056	2.707	6.665	48.209	4.948
Mean(Missing)	.	1.994	7.469	4.695	2.378	2.400	7.200	40.833	4.321
t	-.4	.	-.1	-2.7	-4.5	-2.3	-1.5	-1.2	-1.5
df	11.9	.	12.0	16.4	18.1	11.9	12.9	11.4	23.1
P(2-tail)	.700	.	.950	.015	.000	.038	.155	.255	.147
# Present	39	57	44	51	50	54	51	52	52
# Missing	10	0	9	12	11	10	10	9	11
Mean(Present)	3.977	1.944	8.057	4.982	2.694	2.519	6.682	45.462	4.706
Mean(Missing)	4.130	.	8.089	5.958	3.591	3.110	7.540	49.333	5.009
t	.3	1.6	.	.8	1.2	.0	-.2	1.7	1.1
df	16.1	21.4	.	22.7	15.3	25.9	18.3	31.9	19.3
P(2-tail)	.748	.132	.	.434	.250	.978	.841	.100	.269
# Present	40	44	53	48	48	49	47	46	50
# Missing	9	13	0	15	13	15	14	15	13
Mean(Present)	4.025	2.036	8.062	5.235	2.931	2.612	6.796	47.022	4.818
Mean(Missing)	3.933	1.631	.	4.953	2.577	2.607	6.914	43.000	4.531
t	.1	.0	.7	.	.7	1.4	1.5	.3	-.8
df	9.3	5.8	4.4	.	5.8	3.8	5.7	4.1	6.2
P(2-tail)	.902	.988	.542	.	.484	.239	.177	.814	.465
# Present	44	51	48	63	56	60	57	57	57
# Missing	5	6	5	0	5	4	4	4	6
Mean(Present)	4.011	1.943	8.121	5.168	2.871	2.635	6.867	46.088	4.733
Mean(Missing)	3.980	1.950	7.500	.	2.680	2.250	6.200	45.250	5.000

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Separate Variance t Tests^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9	
v5	t	-.2	-1.0	.7	.2	.	-1.2	-.8	.3	.9
	df	7.4	8.3	4.3	12.6	.	6.5	5.9	5.8	7.1
	P(2-tail)	.810	.344	.518	.838	.	.260	.447	.763	.378
	# Present	43	50	48	56	61	58	55	55	56
	# Missing	6	7	5	7	0	6	6	6	7
	Mean(Present)	3.998	1.904	8.129	5.175	2.856	2.579	6.758	46.182	4.798
	Mean(Missing)	4.083	2.229	7.420	5.114	.	2.917	7.417	44.667	4.443
v6	t	.4	-.6	.6	.2	.1	.	-.2	.3	.8
	df	11.5	2.1	3.2	2.1	2.0	.	1.0	1.1	1.1
	P(2-tail)	.672	.629	.568	.883	.926	.	.848	.822	.566
	# Present	44	54	49	60	58	64	59	59	61
	# Missing	5	3	4	3	3	0	2	2	2
	Mean(Present)	4.018	1.919	8.118	5.177	2.860	2.611	6.810	46.085	4.775
	Mean(Missing)	3.920	2.400	7.375	5.000	2.767	.	7.200	44.500	4.250
v7	t	2.5	-.5	.8	-1.9	.1	-2.1	.	.5	1.5
	df	14.9	5.9	5.6	6.5	5.7	7.5	.	2.1	8.4
	P(2-tail)	.024	.613	.437	.097	.921	.076	.	.652	.179
	# Present	43	51	47	57	55	59	61	58	56
	# Missing	6	6	6	6	6	5	0	3	7
	Mean(Present)	4.077	1.920	8.138	5.088	2.860	2.581	6.823	46.207	4.805
	Mean(Missing)	3.517	2.150	7.467	5.933	2.817	2.960	.	42.667	4.386
v8	t	2.9	-2.6	2.1	-1.2	-1.0	-2.3	1.8	.	2.2
	df	14.4	4.8	6.9	7.5	6.0	6.3	9.0	.	9.2
	P(2-tail)	.011	.049	.073	.271	.371	.056	.107	.	.052
	# Present	43	52	46	57	55	59	58	61	56
	# Missing	6	5	7	6	6	5	3	0	7
	Mean(Present)	4.088	1.854	8.261	5.126	2.822	2.573	6.850	46.033	4.821
	Mean(Missing)	3.433	2.880	6.757	5.567	3.167	3.060	6.300	.	4.257
v9	t	.7	-.2	.0	1.0	.6	1.3	.0	1.5	.
	df	8.9	4.4	2.1	5.8	4.3	2.3	5.1	5.7	.
	P(2-tail)	.531	.880	.975	.351	.582	.294	.972	.182	.
	# Present	44	52	50	57	56	61	56	56	63
	# Missing	5	5	3	6	5	3	5	5	0
	Mean(Present)	4.025	1.937	8.060	5.223	2.882	2.633	6.825	46.429	4.759
	Mean(Missing)	3.860	2.020	8.100	4.650	2.560	2.167	6.800	41.600	.

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

a. Indicator variables with less than 5% missing are not displayed.

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Data Patterns (all cases)

Case	# Missing	% Missing	Missing and Extreme Value Patterns													
			v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14
201	0	.0														
202	2	14.3	S		S											
203	2	14.3		S						S						
204	3	21.4	S		S						S					
205	1	7.1			S											
206	0	.0														
207	3	21.4	S		S						S					
208	0	.0														
209	0	.0														
210	7	50.0				S	S	S	S	S	S	S				
211	0	.0														
212	0	.0														
213	2	14.3		S	S											
214	7	50.0	S		S	S		S	S	S		S		S		
215	0	.0														
216	2	14.3	S					S								
217	0	.0														
218	2	14.3	S					S								
219	2	14.3								S	S					
220	1	7.1		S												
221	3	21.4	S		S					S						
222	2	14.3			S			S								
223	0	.0														
224	3	21.4	S	S							S					
225	2	14.3			S	S										
226	0	.0														
227	2	14.3		S						S						
228	2	14.3	S			S										
229	1	7.1						S								
230	0	.0														
231	1	7.1								S						
232	2	14.3	S	S				S	S					S		S
233	7	50.0		S	S		S	S			S		S			S
234	0	.0														
235	2	14.3						S			S					
236	0	.0														
237	1	7.1		S												
238	1	7.1	S													
239	0	.0														
240	1	7.1	S							-						
241	2	14.3			S		S									
242	0	.0														
243	0	.0														
244	1	7.1								S						

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Data Patterns (all cases)

Case	# Missing	% Missing	Missing and Extreme Value Patterns														
			v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14	
245	7	50.0	S		S		S		S	S					S		S
246	1	7.1				S											
247	0	.0															
248	2	14.3	S	S													
249	1	7.1		S													
250	2	14.3	S		S												
251	0	.0															
252	0	.0															
253	1	7.1	S														
254	0	.0															
255	2	14.3	S		S												
256	1	7.1	S														
257	2	14.3		S	S												
258	0	.0															
259	1	7.1	S														
260	1	7.1	S														
261	7	50.0		S	S			S	S	S	S		S				
262	0	.0															
263	7	50.0		S		S	S	S	S	S		S					
264	0	.0															
265	0	.0															
266	0	.0															
267	2	14.3			S	S											
268	1	7.1									S						
269	2	14.3	S		S												
270	0	.0															

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Data Patterns (all cases)

Case	Variable Values								
	v1	v2	v3	v4	v5	v6	v7	v8	v9
201	3.3	.9	8.6	4.0	2.1	1.8	6.3	41.0	4.5
202	.	.4	.	2.5	1.2	1.7	5.2	35.0	3.3
203	3.0	.	9.1	7.1	3.5	3.4	.	55.0	5.2
204	.	1.5	.	4.8	1.9	2.5	7.2	36.0	.
205	5.1	1.4	.	4.8	3.3	2.6	3.8	49.0	4.9
206	4.6	2.1	7.9	5.8	3.4	2.8	4.7	49.0	5.9
207	.	1.5	.	4.8	1.9	2.5	7.2	36.0	.
208	5.2	1.3	9.7	6.1	3.2	3.9	6.7	54.0	5.8
209	3.5	2.8	9.9	3.5	3.1	1.7	5.4	49.0	5.4
210	4.1	3.7	5.9	.	.	.	.	.	.
211	3.0	2.8	7.8	7.1	3.0	3.8	7.9	49.0	4.4
212	4.8	1.7	7.6	4.2	3.3	1.4	5.8	39.0	5.5
213	3.1	.	.	7.8	3.6	4.0	5.9	43.0	5.2
214	.	2.7	5.0	.	2.2	.	.	.	3.6
215	4.0	.5	6.7	4.5	2.2	2.1	5.0	31.0	4.0
216	.	1.6	6.4	5.0	.	2.1	8.4	25.0	3.4
217	6.1	.5	9.2	4.8	3.3	2.8	7.1	60.0	5.2
218	.	2.8	5.2	5.0	.	2.7	8.4	38.0	3.7
219	3.1	2.2	6.7	6.8	2.6	2.9	.	.	4.3
220	6.5	.	9.0	7.0	3.2	3.7	8.0	33.0	5.4
221	.	1.6	.	4.8	2.0	2.8	.	32.0	4.3
222	3.9	2.2	.	4.6	.	2.5	8.3	47.0	5.0
223	2.8	1.4	8.1	3.8	2.1	1.4	6.6	39.0	4.4
224	.	.	8.6	5.7	2.7	3.7	6.7	.	5.0
225	4.7	1.3	.	.	3.0	2.6	6.8	54.0	5.9
226	3.4	2.0	9.7	4.7	2.7	1.7	4.8	49.0	4.7
227	3.2	.	5.7	5.1	3.6	2.9	6.2	.	4.4
228	.	1.8	7.7	.	3.4	1.5	5.9	40.0	5.6
229	5.3	1.4	9.7	6.1	.	3.9	6.8	54.0	5.9
230	4.7	1.3	9.9	6.7	3.0	2.6	6.8	55.0	6.0
231	3.7	.7	8.2	6.0	2.1	2.5	.	41.0	5.0
232	.	.	8.2	5.0	3.6	2.5	9.0	53.0	5.2
233	4.5	.	.	5.9	.	.	8.8	50.0	.
234	2.8	2.4	6.7	4.9	2.5	2.6	9.2	32.0	3.7
235	3.8	.8	8.7	2.9	1.6	.	5.6	39.0	.
236	2.9	2.6	7.7	7.0	2.8	3.6	7.7	47.0	4.2
237	4.9	.	7.4	6.9	4.6	4.0	9.6	62.0	6.2
238	.	2.5	9.6	5.5	4.0	3.0	7.7	65.0	6.0
239	4.3	1.8	7.6	5.4	3.1	2.5	4.4	46.0	5.6
240	.	1.5	9.9	2.7	1.3	1.2	1.7	50.0	5.0
241	3.1	1.9	.	4.5	.	3.1	3.8	54.0	4.8
242	5.1	1.9	9.2	5.8	3.6	2.3	4.5	60.0	6.1
243	4.1	1.1	9.3	5.5	2.5	2.7	7.4	47.0	5.3
244	3.0	3.8	5.5	4.9	3.4	2.6	6.0	.	4.2

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Data Patterns (all cases)

Case	Variable Values								
	v1	v2	v3	v4	v5	v6	v7	v8	v9
245	.	2.0	.	4.7	.	3.2	.	.	3.4
246	3.7	1.4	9.0	.	2.6	2.3	6.8	45.0	4.9
247	4.2	2.5	9.2	6.2	3.3	3.9	7.3	59.0	6.0
248	.	.	6.4	5.3	3.0	2.5	7.1	46.0	4.5
249	5.3	.	8.5	3.7	3.5	1.9	4.8	58.0	4.3
250	.	3.7	.	5.2	3.0	2.3	9.1	49.0	4.8
251	3.0	3.2	6.0	5.3	3.1	3.0	8.0	43.0	3.3
252	2.8	3.8	8.9	6.9	3.3	3.2	8.2	53.0	5.0
253	.	2.0	9.3	5.9	3.7	2.4	4.6	60.0	6.1
254	3.4	3.7	6.4	5.7	3.5	3.4	8.4	47.0	3.8
255	.	1.0	.	3.4	1.7	1.1	6.2	35.0	4.1
256	.	3.3	7.5	4.5	2.5	2.4	7.6	39.0	3.6
257	3.6	.	.	5.8	3.7	2.5	9.3	44.0	4.8
258	4.0	.9	9.1	5.4	2.4	2.6	7.3	46.0	5.1
259	.	2.1	6.9	5.4	1.1	2.6	8.9	29.0	3.9
260	.	2.0	6.4	4.5	2.1	2.2	8.8	28.0	3.3
261	3.6	.	.	6.2	4.5	.	.	.	.
262	5.6	2.2	8.2	3.1	4.0	1.6	5.3	55.0	3.9
263	3.6	.	9.9	.	.	.	.	.	4.9
264	5.2	1.3	9.1	4.5	3.3	2.7	7.3	60.0	5.1
265	3.0	2.0	6.6	6.6	2.4	2.7	8.2	41.0	4.1
266	4.2	2.4	9.4	4.9	3.2	2.7	8.5	49.0	5.2
267	3.8	.8	.	.	2.2	2.6	5.3	42.0	5.1
268	3.3	2.6	9.7	3.3	2.9	1.5	5.2	47.0	.
269	.	1.9	.	4.5	1.5	3.1	9.9	39.0	3.3
270	4.5	1.6	8.7	4.6	3.1	2.1	6.8	56.0	5.1

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Missing Patterns (cases with missing values)

Case	# Missing	% Missing	Missing and Extreme Value Patterns ^a													
			v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14
205	1	7.1			S											
202	2	14.3	S		S											
250	2	14.3	S		S											
255	2	14.3	S		S											
269	2	14.3	S		S											
238	1	7.1	S													
240	1	7.1	S													
253	1	7.1	S													
256	1	7.1	S													
259	1	7.1	S													
260	1	7.1	S													
228	2	14.3	S				S									
246	1	7.1					S									
225	2	14.3			S		S									
267	2	14.3			S		S									
222	2	14.3			S			S								
241	2	14.3			S			S								
229	1	7.1						S								
216	2	14.3	S					S								
218	2	14.3	S					S								
232	2	14.3	S	S				S								
248	2	14.3	S	S												
237	1	7.1		S												
249	1	7.1		S												
220	1	7.1		S												
213	2	14.3		S	S											
257	2	14.3		S	S											
203	2	14.3		S					S							
231	1	7.1							S							
219	2	14.3							S		S					
244	1	7.1								S	S					
227	2	14.3		S						S	S					
224	3	21.4	S	S						S						
268	1	7.1									S					
235	2	14.3						S			S	S				
204	3	21.4	S		S						S	S				
207	3	21.4	S		S						S	S				
221	3	21.4	S		S				S			S				
245	7	50.0	S		S		S	S	S	S			S		S	S
233	7	50.0		S	S		S	S	S		S		S		S	S
261	7	50.0		S	S			S	S	S	S		S			
210	7	50.0				S	S	S	S	S	S	S				
263	7	50.0		S		S	S	S	S	S	S	S				
214	7	50.0	S			S		S	S	S		S	S		S	

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Missing Patterns (cases with missing values)

Case	Variable Values								
	v1	v2	v3	v4	v5	v6	v7	v8	v9
205	5.1	1.4	.	4.8	3.3	2.6	3.8	49.0	4.9
202	.	.4	.	2.5	1.2	1.7	5.2	35.0	3.3
250	.	3.7	.	5.2	3.0	2.3	9.1	49.0	4.8
255	.	1.0	.	3.4	1.7	1.1	6.2	35.0	4.1
269	.	1.9	.	4.5	1.5	3.1	9.9	39.0	3.3
238	.	2.5	9.6	5.5	4.0	3.0	7.7	65.0	6.0
240	.	1.5	9.9	2.7	1.3	1.2	1.7	50.0	5.0
253	.	2.0	9.3	5.9	3.7	2.4	4.6	60.0	6.1
256	.	3.3	7.5	4.5	2.5	2.4	7.6	39.0	3.6
259	.	2.1	6.9	5.4	1.1	2.6	8.9	29.0	3.9
260	.	2.0	6.4	4.5	2.1	2.2	8.8	28.0	3.3
228	.	1.8	7.7	.	3.4	1.5	5.9	40.0	5.6
246	3.7	1.4	9.0	.	2.6	2.3	6.8	45.0	4.9
225	4.7	1.3	.	.	3.0	2.6	6.8	54.0	5.9
267	3.8	.8	.	.	2.2	2.6	5.3	42.0	5.1
222	3.9	2.2	.	4.6	.	2.5	8.3	47.0	5.0
241	3.1	1.9	.	4.5	.	3.1	3.8	54.0	4.8
229	5.3	1.4	9.7	6.1	.	3.9	6.8	54.0	5.9
216	.	1.6	6.4	5.0	.	2.1	8.4	25.0	3.4
218	.	2.8	5.2	5.0	.	2.7	8.4	38.0	3.7
232	.	.	8.2	5.0	3.6	2.5	9.0	53.0	5.2
248	.	.	6.4	5.3	3.0	2.5	7.1	46.0	4.5
237	4.9	.	7.4	6.9	4.6	4.0	9.6	62.0	6.2
249	5.3	.	8.5	3.7	3.5	1.9	4.8	58.0	4.3
220	6.5	.	9.0	7.0	3.2	3.7	8.0	33.0	5.4
213	3.1	.	.	7.8	3.6	4.0	5.9	43.0	5.2
257	3.6	.	.	5.8	3.7	2.5	9.3	44.0	4.8
203	3.0	.	9.1	7.1	3.5	3.4	.	55.0	5.2
231	3.7	.7	8.2	6.0	2.1	2.5	.	41.0	5.0
219	3.1	2.2	6.7	6.8	2.6	2.9	.	.	4.3
244	3.0	3.8	5.5	4.9	3.4	2.6	6.0	.	4.2
227	3.2	.	5.7	5.1	3.6	2.9	6.2	.	4.4
224	.	.	8.6	5.7	2.7	3.7	6.7	.	5.0
268	3.3	2.6	9.7	3.3	2.9	1.5	5.2	47.0	.
235	3.8	.8	8.7	2.9	1.6	.	5.6	39.0	.
204	.	1.5	.	4.8	1.9	2.5	7.2	36.0	.
207	.	1.5	.	4.8	1.9	2.5	7.2	36.0	.
221	.	1.6	.	4.8	2.0	2.8	.	32.0	4.3
245	.	2.0	.	4.7	.	3.2	.	.	3.4
233	4.5	.	.	5.9	.	.	8.8	50.0	.
261	3.6	.	.	6.2	4.5	.	.	.	.
210	4.1	3.7	5.9	.	.	.	.	.	.
263	3.6	.	9.9	.	.	.	.	.	4.9
214	.	2.7	5.0	.	2.2	.	.	.	3.6

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Missing Patterns (cases with missing values)

- indicates an extreme low value, while + indicates an extreme high value. The range used is $(Q1 - 1.5 \cdot IQR, Q3 + 1.5 \cdot IQR)$.
- a. Cases are sorted on missing patterns, variables are not sorted.

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Tabulated Patterns

Number of Cases	Missing Patterns ^a														Complete if ... ^l	v1 ^c
	v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14		
26															26	4.019
1			X												27	5.100
4	X		X												37	.
6	X														32	.
1	X														34	.
1				X											27	3.700
2			X	X											30	4.250
2			X	X											30	3.500
1					X										27	5.300
2	X				X										35	.
2	X				X										37	.
3		X													29	5.567
2		X													32	3.350
1		X	X												31	3.000
1							X								27	3.700
1							X								29	3.100
1								X							27	3.000
1								X							31	3.200
1	X							X							40	.
1		X							X						27	3.300
1						X			X						28	3.800
2	X		X						X						40	.
1	X		X				X								39	.
1	X		X		X		X	X							47	.
1		X	X		X	X	X	X	X			X		X	38	4.500
1		X	X		X	X	X	X	X	X		X			40	3.600
1				X	X	X	X	X	X		X				34	4.100
1		X		X	X	X	X	X		X					37	3.600
1	X			X		X	X	X			X		X		38	.

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Tabulated Patterns

	v2 ^c	v3 ^c	v4 ^c	v5 ^c	v6 ^c	v7 ^c	v8 ^c	v9 ^c
Number of Cases								
26	1.950	8.354	5.269	2.981	2.600	6.754	48.308	4.896
1	1.400	.	4.800	3.300	2.600	3.800	49.000	4.900
4	1.750	.	3.900	1.850	2.050	7.600	39.500	3.875
6	2.233	8.267	4.750	2.450	2.300	6.550	45.167	4.650
1	1.800	7.700	.	3.400	1.500	5.900	40.000	5.600
1	1.400	9.000	.	2.600	2.300	6.800	45.000	4.900
2	1.050	.	.	2.600	2.600	6.050	48.000	5.500
2	2.050	.	4.550	.	2.800	6.050	50.500	4.900
1	1.400	9.700	6.100	.	3.900	6.800	54.000	5.900
2	2.200	5.800	5.000	.	2.400	8.400	31.500	3.550
2	.	7.300	5.150	3.300	2.500	8.050	49.500	4.850
3	.	8.300	5.867	3.767	3.200	7.467	51.000	5.300
2	.	.	6.800	3.650	3.250	7.600	43.500	5.000
1	.	9.100	7.100	3.500	3.400	.	55.000	5.200
1	.700	8.200	6.000	2.100	2.500	.	41.000	5.000
1	2.200	6.700	6.800	2.600	2.900	.	.	4.300
1	3.800	5.500	4.900	3.400	2.600	6.000	.	4.200
1	.	5.700	5.100	3.600	2.900	6.200	.	4.400
1	.	8.600	5.700	2.700	3.700	6.700	.	5.000
1	2.600	9.700	3.300	2.900	1.500	5.200	47.000	.
1	.800	8.700	2.900	1.600	.	5.600	39.000	.
2	1.500	.	4.800	1.900	2.500	7.200	36.000	.
1	1.600	.	4.800	2.000	2.800	.	32.000	4.300
1	2.000	.	4.700	.	3.200	.	.	3.400
1	.	.	5.900	.	.	8.800	50.000	.
1	.	.	6.200	4.500	.	.	.	.
1	3.700	5.900	.	.	.	.	.	.
1	.	9.900	.	.	.	.	.	4.900
1	2.700	5.000	.	2.200	.	.	.	3.600

- a. Variables are not sorted.
- b. Number of complete cases if variables missing in that pattern (marked with X) are not used.
- c. Means at each unique pattern

Listwise Statistics

Listwise Means

Number of cases	v1	v2	v3	v4	v5	v6	v7	v8	v9
26	4.019	1.950	8.354	5.269	2.981	2.600	6.754	48.308	4.896

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Listwise Covariances

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	.9184								
v2	-.4266	.7850							
v3	.4813	-.3052	1.3682						
v4	-.2594	.3132	-.0787	1.2166					
v5	.2644	.1818	.0895	.0246	.2376				
v6	-.0668	.2344	-.0572	.6596	.0772	.5536			
v7	-.5519	.4344	-.3730	.5837	-.1009	.5452	1.9178		
v8	4.6218	.3440	6.0988	1.6938	2.6782	1.8040	-1.1012	64.7815	
v9	.4221	-.1978	.6802	.1507	.1187	.0384	-.4498	3.6572	.6436

Listwise Correlations

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	1								
v2	-.502	1							
v3	.429	-.294	1						
v4	-.245	.320	-.061	1					
v5	.566	.421	.157	.046	1				
v6	-.094	.356	-.066	.804	.213	1			
v7	-.416	.354	-.230	.382	-.150	.529	1		
v8	.599	.048	.648	.191	.683	.301	-.099	1	
v9	.549	-.278	.725	.170	.304	.064	-.405	.566	1

Pairwise Statistics

Pairwise Frequencies

	v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14
v1	49													
v2	39	57												
v3	40	44	53											
v4	44	51	48	63										
v5	43	50	48	56	61									
v6	44	54	49	60	58	64								
v7	43	51	47	57	55	59	61							
v8	43	52	46	57	55	59	58	61						
v9	44	52	50	57	56	61	56	56	63					
v10	47	56	51	63	61	64	61	61	62	68				
v11	48	56	52	62	59	64	61	61	62	66	68			
v12	48	56	53	61	61	63	60	60	62	66	66	68		
v13	49	56	52	63	60	64	61	61	62	67	68	67	69	
v14	48	56	53	61	61	63	60	60	62	66	66	68	67	68

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Pairwise Means

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	4.008	1.921	8.255	5.373	3.056	2.707	6.665	48.209	4.948
v2	3.977	1.944	8.057	4.982	2.694	2.519	6.682	45.462	4.706
v3	4.025	2.036	8.062	5.235	2.931	2.612	6.796	47.022	4.818
v4	4.011	1.943	8.121	5.168	2.871	2.635	6.867	46.088	4.733
v5	3.998	1.904	8.129	5.175	2.856	2.579	6.758	46.182	4.798
v6	4.018	1.919	8.118	5.177	2.860	2.611	6.810	46.085	4.775
v7	4.077	1.920	8.138	5.088	2.860	2.581	6.823	46.207	4.805
v8	4.088	1.854	8.261	5.126	2.822	2.573	6.850	46.033	4.821
v9	4.025	1.937	8.060	5.223	2.882	2.633	6.825	46.429	4.759
v10	4.015	1.913	8.069	5.168	2.856	2.611	6.823	46.033	4.756
v11	4.017	1.930	8.121	5.152	2.839	2.611	6.823	46.033	4.777
v12	3.998	1.943	8.062	5.164	2.856	2.602	6.790	45.967	4.781
v13	4.008	1.930	8.121	5.168	2.867	2.611	6.823	46.033	4.777
v14	3.998	1.943	8.062	5.164	2.856	2.602	6.790	45.967	4.781

Mean of quantitative variable when other variable is present.

Pairwise Standard Deviations

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	.9318	.9200	1.3032	1.2185	.6242	.7321	1.5357	7.7477	.7096
v2	.8845	.8751	1.4334	1.1119	.7243	.6796	1.6686	9.4027	.8768
v3	.9834	.8832	1.4072	1.1643	.6956	.7412	1.6007	9.8036	.8366
v4	.9751	.8624	1.3397	1.1714	.7963	.7255	1.7230	9.5754	.8384
v5	.9605	.8864	1.3133	1.2257	.7760	.7235	1.6616	9.2298	.8161
v6	.9770	.8454	1.3305	1.1522	.7424	.7174	1.6821	9.4564	.8320
v7	.9661	.8656	1.3377	1.1665	.7603	.7343	1.6809	9.3166	.8411
v8	.9582	.8318	1.2421	1.2002	.7697	.7268	1.7189	9.3559	.8396
v9	.9729	.8593	1.3939	1.1526	.7383	.7204	1.7120	9.5114	.8319
v10	.9498	.8500	1.3778	1.1714	.7760	.7174	1.6809	9.3559	.8385
v11	.9397	.8770	1.3533	1.1734	.7541	.7174	1.6809	9.3559	.8253
v12	.9389	.8829	1.4072	1.1855	.7760	.7192	1.6751	9.4204	.8202
v13	.9318	.8770	1.3533	1.1714	.7778	.7174	1.6809	9.3559	.8253
v14	.9389	.8829	1.4072	1.1855	.7760	.7192	1.6751	9.4204	.8202

Standard deviation of quantitative variable when other variable is present.

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Pairwise Covariances

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	.8683								
v2	-.3632	.7657							
v3	.4750	-.5293	1.9801						
v4	-.1181	.2860	-.1020	1.3722					
v5	.1901	.2704	.0897	.4329	.6022				
v6	.0222	.1491	-.0346	.6679	.1848	.5146			
v7	-.1775	.5022	-.7668	.8155	.0839	.4964	2.8255		
v8	2.8001	1.1668	7.3231	2.5994	5.0552	1.8403	-3.0579	87.5322	
v9	.3548	-.1512	.8244	.3692	.3272	.1227	-.3681	5.3434	.6921

Pairwise Correlations

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	1								
v2	-.446	1							
v3	.371	-.418	1						
v4	-.099	.298	-.065	1					
v5	.317	.421	.098	.444	1				
v6	.031	.259	-.035	.799	.344	1			
v7	-.120	.348	-.358	.406	.066	.402	1		
v8	.377	.149	.601	.226	.712	.268	-.191	1	
v9	.514	-.201	.707	.382	.543	.205	-.256	.669	1

EM Estimated Statistics

EM Means^a

v1	v2	v3	v4	v5	v6	v7	v8	v9
3.686	2.104	8.019	5.178	2.848	2.630	6.932	45.791	4.737

a. Little's MCAR test: Chi-Square = 198.533, DF = 180, Sig. = .164

EM Covariances^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	1.2742								
v2	-.3497	1.1004							
v3	.6250	-.6199	1.8478						
v4	.1757	.4227	-.2257	1.3131					
v5	.5455	.4456	-.0107	.3876	.6018				
v6	.1162	.2248	-.1061	.6164	.1827	.5083			
v7	-.3890	.6222	-.7573	.8066	.1338	.5086	2.8793		
v8	6.0091	2.2127	6.5284	2.1174	4.8685	1.6082	-2.8461	87.7757	
v9	.5911	-.0343	.6489	.3331	.3431	.1061	-.3276	5.1655	.6700

a. Little's MCAR test: Chi-Square = 198.533, DF = 180, Sig. = .164

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

EM Correlations^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	1								
v2	-.295	1							
v3	.407	-.435	1						
v4	.136	.352	-.145	1					
v5	.623	.548	-.010	.436	1				
v6	.144	.301	-.110	.755	.330	1			
v7	-.203	.350	-.328	.415	.102	.420	1		
v8	.568	.225	.513	.197	.670	.241	-.179	1	
v9	.640	-.040	.583	.355	.540	.182	-.236	.674	1

a. Little's MCAR test: Chi-Square = 198.533, DF = 180, Sig. = .164

Regression Estimated Statistics

Regression Means^a

v1	v2	v3	v4	v5	v6	v7	v8	v9
3.866	2.022	7.966	5.129	2.855	2.591	6.959	45.464	4.712

a. Random normal variate is added to each estimate.

Regression Covariances^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	.9114								
v2	-.2745	.7385							
v3	.4981	-.4025	1.8182						
v4	.0787	.2631	-.0622	1.2666					
v5	.3268	.3166	.0537	.3280	.6149				
v6	.0709	.1532	-.0113	.6209	.1600	.5025			
v7	-.2864	.3718	-.9083	.7655	-.0711	.4436	2.7540		
v8	4.1877	1.0800	7.0607	2.2633	4.2333	1.8512	-3.6057	85.6938	
v9	.4719	-.1063	.6993	.3459	.2636	.1559	-.3064	5.3895	.6921

a. Random normal variate is added to each estimate.

EXAMINATION AND REMEDY OF MISSING DATA -- INITIAL ANALYSIS

Regression Correlations^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	1								
v2	-.335	1							
v3	.387	-.347	1						
v4	.073	.272	-.041	1					
v5	.437	.470	.051	.372	1				
v6	.105	.251	-.012	.778	.288	1			
v7	-.181	.261	-.406	.410	-.055	.377	1		
v8	.474	.136	.566	.217	.583	.282	-.235	1	
v9	.594	-.149	.623	.369	.404	.264	-.222	.700	1

a. Random normal variate is added to each estimate.

Frequencies

Statistics

nmiss

N	Valid	64
	Missing	0

nmiss

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	.00	26	40.6	40.6	40.6
	1.00	15	23.4	23.4	64.1
	2.00	19	29.7	29.7	93.8
	3.00	4	6.3	6.3	100.0
	Total	64	100.0	100.0	

MVA

Warnings

Since more than half of the cases are missing, error terms are randomly from a Normal distribution instead of chosen randomly from the observed residuals of complete cases.

Univariate Statistics

	N	Mean	Std. Deviation	Missing		No. of Extremes ^a	
				Count	Percent	Low	High
v1	45	4.013	.9664	19	29.7	0	0
v2	54	1.896	.8589	10	15.6	0	0
v3	50	8.130	1.3194	14	21.9	0	0
v4	60	5.147	1.1877	4	6.3	0	0
v5	59	2.839	.7541	5	7.8	0	0
v6	63	2.602	.7192	1	1.6	0	0
v7	60	6.790	1.6751	4	6.3	0	0
v8	60	45.967	9.4204	4	6.3	0	0
v9	60	4.798	.8194	4	6.3	0	0
v10	64			0	.0		
v11	64			0	.0		
v12	64			0	.0		
v13	64			0	.0		
v14	64			0	.0		

a. Number of cases outside the range (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Summary of Estimated Means

	v1	v2	v3	v4	v5	v6	v7	v8	v9
Listwise	4.019	1.950	8.354	5.269	2.981	2.600	6.754	48.308	4.896
All Values	4.013	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798
EM	3.711	2.034	8.110	5.149	2.823	2.602	6.844	45.848	4.767
Regression	3.862	1.939	8.068	5.132	2.842	2.587	6.753	45.664	4.790

Summary of Estimated Standard Deviations

	v1	v2	v3	v4	v5	v6	v7	v8	v9
Listwise	.9583	.8860	1.1697	1.1030	.4875	.7440	1.3848	8.0487	.8022
All Values	.9664	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194
EM	1.1463	1.0011	1.2724	1.1585	.7458	.7148	1.6804	9.2896	.8156
Regression	.9800	.8728	1.2655	1.1571	.7455	.7226	1.6378	9.2286	.8068

Separate Variance t Tests^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9	
v1	t	.	-.3	1.3	2.2	2.6	1.9	-1.1	2.6	2.1
	df	.	30.3	16.3	41.9	21.4	38.8	25.9	24.8	23.5
	P(2-tail)	.	.763	.223	.033	.017	.065	.273	.017	.049
	# Present	45	38	38	42	42	44	42	42	43
	# Missing	0	16	12	18	17	19	18	18	17
	Mean(Present)	4.013	1.874	8.274	5.340	3.021	2.707	6.614	48.167	4.949
	Mean(Missing)	.	1.950	7.675	4.694	2.388	2.358	7.200	40.833	4.418
v2	t	-.5	.	.7	-2.2	-4.2	-2.4	-1.2	-1.1	-1.2
	df	7.0	.	10.3	12.1	17.8	12.0	11.0	9.3	18.6
	P(2-tail)	.646	.	.528	.044	.001	.034	.260	.318	.233
	# Present	38	54	42	50	49	53	51	52	50
	# Missing	7	0	8	10	10	10	9	8	10
	Mean(Present)	3.974	1.896	8.181	4.988	2.704	2.506	6.682	45.462	4.754
	Mean(Missing)	4.229	.	7.863	5.940	3.500	3.110	7.400	49.250	5.020
v3	t	.4	1.4	.	1.1	2.0	.2	.0	1.9	.9
	df	10.3	18.3	.	16.0	14.9	23.2	16.5	28.7	18.2
	P(2-tail)	.693	.180	.	.286	.066	.818	.965	.073	.399
	# Present	38	42	50	48	47	49	47	46	48
	# Missing	7	12	0	12	12	14	13	14	12
	Mean(Present)	4.034	1.981	8.130	5.235	2.947	2.612	6.796	47.022	4.842
	Mean(Missing)	3.900	1.600	.	4.792	2.417	2.564	6.769	42.500	4.625
v4	t	-.2	2.6	-.3	.	.2	1.4	1.5	.2	-2.4
	df	3.0	5.5	1.2	.	4.0	3.8	5.8	4.1	4.5
	P(2-tail)	.882	.046	.785	.	.888	.249	.197	.830	.064
	# Present	42	50	48	60	55	59	56	56	56
	# Missing	3	4	2	0	4	4	4	4	4
	Mean(Present)	4.010	1.942	8.121	5.147	2.842	2.625	6.832	46.018	4.757
	Mean(Missing)	4.067	1.325	8.350	.	2.800	2.250	6.200	45.250	5.375

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Separate Variance t Tests^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9	
v5	t	-.1	-.3	.8	.4	.	-.9	-.4	.5	.6
	df	2.2	6.4	2.1	7.1	.	4.8	4.5	4.4	4.5
	P(2-tail)	.900	.749	.502	.734	.	.423	.696	.669	.605
	# Present	42	49	47	55	59	58	55	55	55
	# Missing	3	5	3	5	0	5	5	5	5
	Mean(Present)	4.007	1.888	8.196	5.156	2.839	2.579	6.758	46.182	4.820
	Mean(Missing)	4.100	1.980	7.100	5.040	.	2.860	7.140	43.600	4.560
v7	t	3.0	.9	.2	-2.1	.9	-1.5	.	.5	.4
	df	4.3	2.3	2.3	3.6	3.6	4.8	.	2.1	4.5
	P(2-tail)	.036	.440	.864	.118	.441	.193	.	.658	.704
	# Present	42	51	47	56	55	59	60	57	56
	# Missing	3	3	3	4	4	4	0	3	4
	Mean(Present)	4.067	1.920	8.138	5.073	2.860	2.581	6.790	46.140	4.805
	Mean(Missing)	3.267	1.500	8.000	6.175	2.550	2.900	.	42.667	4.700
v8	t	6.1	-1.4	2.2	-1.1	-.9	-1.8	1.7	.	1.6
	df	37.2	1.0	3.4	3.9	4.1	4.0	9.1	.	5.7
	P(2-tail)	.000	.384	.101	.326	.401	.149	.128	.	.155
	# Present	42	52	46	56	55	59	57	60	56
	# Missing	3	2	4	4	4	4	3	0	4
	Mean(Present)	4.079	1.854	8.261	5.113	2.822	2.573	6.816	45.967	4.821
	Mean(Missing)	3.100	3.000	6.625	5.625	3.075	3.025	6.300	.	4.475
v9	t	1.7	.8	-2.1	2.5	2.7	1.3	.9	2.4	.
	df	1.8	3.7	1.3	3.6	3.8	2.3	4.2	4.6	.
	P(2-tail)	.249	.463	.235	.076	.056	.302	.409	.066	.
	# Present	43	50	48	56	55	60	56	56	60
	# Missing	2	4	2	4	4	3	4	4	0
	Mean(Present)	4.035	1.920	8.085	5.232	2.895	2.623	6.825	46.429	4.798
	Mean(Missing)	3.550	1.600	9.200	3.950	2.075	2.167	6.300	39.500	.

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

a. Indicator variables with less than 5% missing are not displayed.

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Data Patterns (all cases)

Case	# Missing	% Missing	Missing and Extreme Value Patterns													
			v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14
201	0	.0														
202	2	14.3	S		S											
203	2	14.3		S						S						
204	3	21.4	S		S						S					
205	1	7.1			S											
206	0	.0														
207	3	21.4	S		S							S				
208	0	.0														
209	0	.0														
211	0	.0														
212	0	.0														
213	2	14.3		S	S											
215	0	.0														
216	2	14.3	S					S								
217	0	.0														
218	2	14.3	S					S								
219	2	14.3								S	S					
220	1	7.1		S												
221	3	21.4	S		S					S						
222	2	14.3			S			S								
223	0	.0														
224	3	21.4	S	S							S					
225	2	14.3			S	S										
226	0	.0														
227	2	14.3		S							S					
228	2	14.3	S			S										
229	1	7.1						S								
230	0	.0														
231	1	7.1								S						
232	2	14.3	S	S												
234	0	.0														
235	2	14.3							S			S				
236	0	.0														
237	1	7.1		S												
238	1	7.1	S													
239	0	.0														
240	1	7.1	S													
241	2	14.3			S			S								
242	0	.0														
243	0	.0														
244	1	7.1								S						
246	1	7.1				S										
247	0	.0														
248	2	14.3	S	S												

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Data Patterns (all cases)

Case	# Missing	% Missing	Missing and Extreme Value Patterns													
			v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14
249	1	7.1		S												
250	2	14.3	S		S											
251	0	.0														
252	0	.0														
253	1	7.1	S													
254	0	.0														
255	2	14.3	S		S											
256	1	7.1	S													
257	2	14.3		S	S											
258	0	.0														
259	1	7.1	S													
260	1	7.1	S													
262	0	.0														
264	0	.0														
265	0	.0														
266	0	.0														
267	2	14.3			S	S										
268	1	7.1									S					
269	2	14.3	S		S											
270	0	.0														

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Data Patterns (all cases)

Case	Variable Values								
	v1	v2	v3	v4	v5	v6	v7	v8	v9
201	3.3	.9	8.6	4.0	2.1	1.8	6.3	41.0	4.5
202	.	.4	.	2.5	1.2	1.7	5.2	35.0	3.3
203	3.0	.	9.1	7.1	3.5	3.4	.	55.0	5.2
204	.	1.5	.	4.8	1.9	2.5	7.2	36.0	.
205	5.1	1.4	.	4.8	3.3	2.6	3.8	49.0	4.9
206	4.6	2.1	7.9	5.8	3.4	2.8	4.7	49.0	5.9
207	.	1.5	.	4.8	1.9	2.5	7.2	36.0	.
208	5.2	1.3	9.7	6.1	3.2	3.9	6.7	54.0	5.8
209	3.5	2.8	9.9	3.5	3.1	1.7	5.4	49.0	5.4
211	3.0	2.8	7.8	7.1	3.0	3.8	7.9	49.0	4.4
212	4.8	1.7	7.6	4.2	3.3	1.4	5.8	39.0	5.5
213	3.1	.	.	7.8	3.6	4.0	5.9	43.0	5.2
215	4.0	.5	6.7	4.5	2.2	2.1	5.0	31.0	4.0
216	.	1.6	6.4	5.0	.	2.1	8.4	25.0	3.4
217	6.1	.5	9.2	4.8	3.3	2.8	7.1	60.0	5.2
218	.	2.8	5.2	5.0	.	2.7	8.4	38.0	3.7
219	3.1	2.2	6.7	6.8	2.6	2.9	.	.	4.3
220	6.5	.	9.0	7.0	3.2	3.7	8.0	33.0	5.4
221	.	1.6	.	4.8	2.0	2.8	.	32.0	4.3
222	3.9	2.2	.	4.6	.	2.5	8.3	47.0	5.0
223	2.8	1.4	8.1	3.8	2.1	1.4	6.6	39.0	4.4
224	.	.	8.6	5.7	2.7	3.7	6.7	.	5.0
225	4.7	1.3	.	.	3.0	2.6	6.8	54.0	5.9
226	3.4	2.0	9.7	4.7	2.7	1.7	4.8	49.0	4.7
227	3.2	.	5.7	5.1	3.6	2.9	6.2	.	4.4
228	.	1.8	7.7	.	3.4	1.5	5.9	40.0	5.6
229	5.3	1.4	9.7	6.1	.	3.9	6.8	54.0	5.9
230	4.7	1.3	9.9	6.7	3.0	2.6	6.8	55.0	6.0
231	3.7	.7	8.2	6.0	2.1	2.5	.	41.0	5.0
232	.	.	8.2	5.0	3.6	2.5	9.0	53.0	5.2
234	2.8	2.4	6.7	4.9	2.5	2.6	9.2	32.0	3.7
235	3.8	.8	8.7	2.9	1.6	.	5.6	39.0	.
236	2.9	2.6	7.7	7.0	2.8	3.6	7.7	47.0	4.2
237	4.9	.	7.4	6.9	4.6	4.0	9.6	62.0	6.2
238	.	2.5	9.6	5.5	4.0	3.0	7.7	65.0	6.0
239	4.3	1.8	7.6	5.4	3.1	2.5	4.4	46.0	5.6
240	.	1.5	9.9	2.7	1.3	1.2	1.7	50.0	5.0
241	3.1	1.9	.	4.5	.	3.1	3.8	54.0	4.8
242	5.1	1.9	9.2	5.8	3.6	2.3	4.5	60.0	6.1
243	4.1	1.1	9.3	5.5	2.5	2.7	7.4	47.0	5.3
244	3.0	3.8	5.5	4.9	3.4	2.6	6.0	.	4.2
246	3.7	1.4	9.0	.	2.6	2.3	6.8	45.0	4.9
247	4.2	2.5	9.2	6.2	3.3	3.9	7.3	59.0	6.0
248	.	.	6.4	5.3	3.0	2.5	7.1	46.0	4.5

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Data Patterns (all cases)

Case	Variable Values								
	v1	v2	v3	v4	v5	v6	v7	v8	v9
249	5.3	.	8.5	3.7	3.5	1.9	4.8	58.0	4.3
250	.	3.7	.	5.2	3.0	2.3	9.1	49.0	4.8
251	3.0	3.2	6.0	5.3	3.1	3.0	8.0	43.0	3.3
252	2.8	3.8	8.9	6.9	3.3	3.2	8.2	53.0	5.0
253	.	2.0	9.3	5.9	3.7	2.4	4.6	60.0	6.1
254	3.4	3.7	6.4	5.7	3.5	3.4	8.4	47.0	3.8
255	.	1.0	.	3.4	1.7	1.1	6.2	35.0	4.1
256	.	3.3	7.5	4.5	2.5	2.4	7.6	39.0	3.6
257	3.6	.	.	5.8	3.7	2.5	9.3	44.0	4.8
258	4.0	.9	9.1	5.4	2.4	2.6	7.3	46.0	5.1
259	.	2.1	6.9	5.4	1.1	2.6	8.9	29.0	3.9
260	.	2.0	6.4	4.5	2.1	2.2	8.8	28.0	3.3
262	5.6	2.2	8.2	3.1	4.0	1.6	5.3	55.0	3.9
264	5.2	1.3	9.1	4.5	3.3	2.7	7.3	60.0	5.1
265	3.0	2.0	6.6	6.6	2.4	2.7	8.2	41.0	4.1
266	4.2	2.4	9.4	4.9	3.2	2.7	8.5	49.0	5.2
267	3.8	.8	.	.	2.2	2.6	5.3	42.0	5.1
268	3.3	2.6	9.7	3.3	2.9	1.5	5.2	47.0	.
269	.	1.9	.	4.5	1.5	3.1	9.9	39.0	3.3
270	4.5	1.6	8.7	4.6	3.1	2.1	6.8	56.0	5.1

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Missing Patterns (cases with missing values)

Case	# Missing	% Missing	Missing and Extreme Value Patterns ^a													
			v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14
205	1	7.1			S											
202	2	14.3	S		S											
250	2	14.3	S		S											
255	2	14.3	S		S											
269	2	14.3	S		S											
238	1	7.1	S													
240	1	7.1	S													
253	1	7.1	S													
256	1	7.1	S													
259	1	7.1	S													
260	1	7.1	S													
228	2	14.3	S				S									
246	1	7.1					S									
225	2	14.3			S		S									
267	2	14.3			S		S									
222	2	14.3			S		S		S							
241	2	14.3			S				S							
229	1	7.1							S							
216	2	14.3	S						S							
218	2	14.3	S						S							
232	2	14.3	S	S					S							
248	2	14.3	S	S												
237	1	7.1		S												
249	1	7.1		S												
220	1	7.1		S												
213	2	14.3		S	S											
257	2	14.3		S	S											
203	2	14.3		S						S						
231	1	7.1							S							
219	2	14.3							S		S					
244	1	7.1								S	S					
227	2	14.3		S							S					
224	3	21.4	S	S							S					
268	1	7.1										S				
235	2	14.3						S				S				
204	3	21.4	S		S							S				
207	3	21.4	S		S							S				
221	3	21.4	S		S				S							

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Missing Patterns (cases with missing values)

Case	Variable Values								
	v1	v2	v3	v4	v5	v6	v7	v8	v9
205	5.1	1.4	.	4.8	3.3	2.6	3.8	49.0	4.9
202	.	.4	.	2.5	1.2	1.7	5.2	35.0	3.3
250	.	3.7	.	5.2	3.0	2.3	9.1	49.0	4.8
255	.	1.0	.	3.4	1.7	1.1	6.2	35.0	4.1
269	.	1.9	.	4.5	1.5	3.1	9.9	39.0	3.3
238	.	2.5	9.6	5.5	4.0	3.0	7.7	65.0	6.0
240	.	1.5	9.9	2.7	1.3	1.2	1.7	50.0	5.0
253	.	2.0	9.3	5.9	3.7	2.4	4.6	60.0	6.1
256	.	3.3	7.5	4.5	2.5	2.4	7.6	39.0	3.6
259	.	2.1	6.9	5.4	1.1	2.6	8.9	29.0	3.9
260	.	2.0	6.4	4.5	2.1	2.2	8.8	28.0	3.3
228	.	1.8	7.7	.	3.4	1.5	5.9	40.0	5.6
246	3.7	1.4	9.0	.	2.6	2.3	6.8	45.0	4.9
225	4.7	1.3	.	.	3.0	2.6	6.8	54.0	5.9
267	3.8	.8	.	.	2.2	2.6	5.3	42.0	5.1
222	3.9	2.2	.	4.6	.	2.5	8.3	47.0	5.0
241	3.1	1.9	.	4.5	.	3.1	3.8	54.0	4.8
229	5.3	1.4	9.7	6.1	.	3.9	6.8	54.0	5.9
216	.	1.6	6.4	5.0	.	2.1	8.4	25.0	3.4
218	.	2.8	5.2	5.0	.	2.7	8.4	38.0	3.7
232	.	.	8.2	5.0	3.6	2.5	9.0	53.0	5.2
248	.	.	6.4	5.3	3.0	2.5	7.1	46.0	4.5
237	4.9	.	7.4	6.9	4.6	4.0	9.6	62.0	6.2
249	5.3	.	8.5	3.7	3.5	1.9	4.8	58.0	4.3
220	6.5	.	9.0	7.0	3.2	3.7	8.0	33.0	5.4
213	3.1	.	.	7.8	3.6	4.0	5.9	43.0	5.2
257	3.6	.	.	5.8	3.7	2.5	9.3	44.0	4.8
203	3.0	.	9.1	7.1	3.5	3.4	.	55.0	5.2
231	3.7	.7	8.2	6.0	2.1	2.5	.	41.0	5.0
219	3.1	2.2	6.7	6.8	2.6	2.9	.	.	4.3
244	3.0	3.8	5.5	4.9	3.4	2.6	6.0	.	4.2
227	3.2	.	5.7	5.1	3.6	2.9	6.2	.	4.4
224	.	.	8.6	5.7	2.7	3.7	6.7	.	5.0
268	3.3	2.6	9.7	3.3	2.9	1.5	5.2	47.0	.
235	3.8	.8	8.7	2.9	1.6	.	5.6	39.0	.
204	.	1.5	.	4.8	1.9	2.5	7.2	36.0	.
207	.	1.5	.	4.8	1.9	2.5	7.2	36.0	.
221	.	1.6	.	4.8	2.0	2.8	.	32.0	4.3

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

a. Cases are sorted on missing patterns, variables are not sorted.

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Tabulated Patterns

Number of Cases	Missing Patterns ^a														Complete if ... ^l	v1 ^c
	v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14		
26															26	4.019
1			X												27	5.100
4	X		X												37	.
6	X														32	.
1	X			X											34	.
1				X											27	3.700
2			X	X											30	4.250
2			X	X											30	3.500
1					X										27	5.300
2	X				X										35	.
2	X				X										37	.
3		X													29	5.567
2		X	X												32	3.350
1		X													31	3.000
1							X								27	3.700
1							X								29	3.100
1							X	X							27	3.000
1							X	X							31	3.200
1	X	X						X							40	.
1									X						27	3.300
1						X			X						28	3.800
2	X		X						X						40	.
1	X		X				X								39	.

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Tabulated Patterns

	v2 ^c	v3 ^c	v4 ^c	v5 ^c	v6 ^c	v7 ^c	v8 ^c	v9 ^c
Number of Cases								
26	1.950	8.354	5.269	2.981	2.600	6.754	48.308	4.896
1	1.400	.	4.800	3.300	2.600	3.800	49.000	4.900
4	1.750	.	3.900	1.850	2.050	7.600	39.500	3.875
6	2.233	8.267	4.750	2.450	2.300	6.550	45.167	4.650
1	1.800	7.700	.	3.400	1.500	5.900	40.000	5.600
1	1.400	9.000	.	2.600	2.300	6.800	45.000	4.900
2	1.050	.	.	2.600	2.600	6.050	48.000	5.500
2	2.050	.	4.550	.	2.800	6.050	50.500	4.900
1	1.400	9.700	6.100	.	3.900	6.800	54.000	5.900
2	2.200	5.800	5.000	.	2.400	8.400	31.500	3.550
2	.	7.300	5.150	3.300	2.500	8.050	49.500	4.850
3	.	8.300	5.867	3.767	3.200	7.467	51.000	5.300
2	.	.	6.800	3.650	3.250	7.600	43.500	5.000
1	.	9.100	7.100	3.500	3.400	.	55.000	5.200
1	.700	8.200	6.000	2.100	2.500	.	41.000	5.000
1	2.200	6.700	6.800	2.600	2.900	.	.	4.300
1	3.800	5.500	4.900	3.400	2.600	6.000	.	4.200
1	.	5.700	5.100	3.600	2.900	6.200	.	4.400
1	.	8.600	5.700	2.700	3.700	6.700	.	5.000
1	2.600	9.700	3.300	2.900	1.500	5.200	47.000	.
1	.800	8.700	2.900	1.600	.	5.600	39.000	.
2	1.500	.	4.800	1.900	2.500	7.200	36.000	.
1	1.600	.	4.800	2.000	2.800	.	32.000	4.300

- a. Variables are not sorted.
- b. Number of complete cases if variables missing in that pattern (marked with X) are not used.
- c. Means at each unique pattern

Listwise Statistics

Listwise Means

Number of cases	v1	v2	v3	v4	v5	v6	v7	v8	v9
26	4.019	1.950	8.354	5.269	2.981	2.600	6.754	48.308	4.896

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Listwise Covariances

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	.9184								
v2	-.4266	.7850							
v3	.4813	-.3052	1.3682						
v4	-.2594	.3132	-.0787	1.2166					
v5	.2644	.1818	.0895	.0246	.2376				
v6	-.0668	.2344	-.0572	.6596	.0772	.5536			
v7	-.5519	.4344	-.3730	.5837	-.1009	.5452	1.9178		
v8	4.6218	.3440	6.0988	1.6938	2.6782	1.8040	-1.1012	64.7815	
v9	.4221	-.1978	.6802	.1507	.1187	.0384	-.4498	3.6572	.6436

Listwise Correlations

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	1								
v2	-.502	1							
v3	.429	-.294	1						
v4	-.245	.320	-.061	1					
v5	.566	.421	.157	.046	1				
v6	-.094	.356	-.066	.804	.213	1			
v7	-.416	.354	-.230	.382	-.150	.529	1		
v8	.599	.048	.648	.191	.683	.301	-.099	1	
v9	.549	-.278	.725	.170	.304	.064	-.405	.566	1

Pairwise Statistics

Pairwise Frequencies

	v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14
v1	45													
v2	38	54												
v3	38	42	50											
v4	42	50	48	60										
v5	42	49	47	55	59									
v6	44	53	49	59	58	63								
v7	42	51	47	56	55	59	60							
v8	42	52	46	56	55	59	57	60						
v9	43	50	48	56	55	60	56	56	60					
v10	45	54	50	60	59	63	60	60	60	64				
v11	45	54	50	60	59	63	60	60	60	64	64			
v12	45	54	50	60	59	63	60	60	60	64	64	64		
v13	45	54	50	60	59	63	60	60	60	64	64	64	64	
v14	45	54	50	60	59	63	60	60	60	64	64	64	64	64

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Pairwise Means

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	4.013	1.874	8.274	5.340	3.021	2.707	6.614	48.167	4.949
v2	3.974	1.896	8.181	4.988	2.704	2.506	6.682	45.462	4.754
v3	4.034	1.981	8.130	5.235	2.947	2.612	6.796	47.022	4.842
v4	4.010	1.942	8.121	5.147	2.842	2.625	6.832	46.018	4.757
v5	4.007	1.888	8.196	5.156	2.839	2.579	6.758	46.182	4.820
v6	4.018	1.917	8.118	5.185	2.860	2.602	6.810	46.085	4.798
v7	4.067	1.920	8.138	5.073	2.860	2.581	6.790	46.140	4.805
v8	4.079	1.854	8.261	5.113	2.822	2.573	6.816	45.967	4.821
v9	4.035	1.920	8.085	5.232	2.895	2.623	6.825	46.429	4.798
v10	4.013	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798
v11	4.013	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798
v12	4.013	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798
v13	4.013	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798
v14	4.013	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798

Mean of quantitative variable when other variable is present.

Pairwise Standard Deviations

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	.9664	.8840	1.2517	1.2380	.5891	.7321	1.5173	7.8365	.7179
v2	.8961	.8589	1.3408	1.1224	.7283	.6795	1.6686	9.4027	.8591
v3	1.0071	.8583	1.3194	1.1643	.6947	.7412	1.6007	9.8036	.8351
v4	.9936	.8711	1.3397	1.1877	.7719	.7279	1.7186	9.6474	.8264
v5	.9701	.8880	1.2429	1.2289	.7541	.7235	1.6616	9.2298	.8070
v6	.9770	.8534	1.3305	1.1604	.7424	.7192	1.6821	9.4564	.8194
v7	.9755	.8656	1.3377	1.1719	.7603	.7343	1.6751	9.3855	.8411
v8	.9677	.8318	1.2421	1.2065	.7697	.7268	1.7141	9.4204	.8396
v9	.9822	.8697	1.3242	1.1609	.7392	.7226	1.7120	9.5114	.8194
v10	.9664	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194
v11	.9664	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194
v12	.9664	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194
v13	.9664	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194
v14	.9664	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194

Standard deviation of quantitative variable when other variable is present.

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Pairwise Covariances

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	.9339								
v2	-.3791	.7377							
v3	.5242	-.4111	1.7409						
v4	-.1219	.2921	-.1020	1.4107					
v5	.2091	.2844	.0409	.4095	.5686				
v6	.0222	.1509	-.0346	.6842	.1848	.5173			
v7	-.2044	.5022	-.7668	.8012	.0839	.4964	2.8060		
v8	2.8500	1.1668	7.3231	2.5907	5.0552	1.8403	-3.2469	88.7446	
v9	.3628	-.1376	.7764	.3630	.3179	.1382	-.3681	5.3434	.6714

Pairwise Correlations

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	1								
v2	-.479	1							
v3	.416	-.357	1						
v4	-.099	.299	-.065	1					
v5	.366	.440	.047	.432	1				
v6	.031	.260	-.035	.810	.344	1			
v7	-.138	.348	-.358	.398	.066	.402	1		
v8	.376	.149	.601	.223	.712	.268	-.202	1	
v9	.514	-.184	.702	.378	.533	.233	-.256	.669	1

EM Estimated Statistics

EM Means^a

v1	v2	v3	v4	v5	v6	v7	v8	v9
3.711	2.034	8.110	5.149	2.823	2.602	6.844	45.848	4.767

a. Little's MCAR test: Chi-Square = 174.464, DF = 159, Sig. = .190

EM Covariances^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	1.3141								
v2	-.3774	1.0022							
v3	.5990	-.4938	1.6189						
v4	.1769	.3760	-.1574	1.3421					
v5	.5516	.3674	.0489	.3606	.5562				
v6	.1254	.2068	-.0627	.6365	.1796	.5109			
v7	-.4129	.5630	-.6680	.7846	.0856	.4876	2.8238		
v8	5.9698	1.9970	6.3336	2.0967	4.6892	1.7108	-2.9728	86.2970	
v9	.5954	-.0386	.6216	.3461	.3400	.1289	-.3239	5.0838	.6653

a. Little's MCAR test: Chi-Square = 174.464, DF = 159, Sig. = .190

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

EM Correlations^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	1								
v2	-.329	1							
v3	.411	-.388	1						
v4	.133	.324	-.107	1					
v5	.645	.492	.052	.417	1				
v6	.153	.289	-.069	.769	.337	1			
v7	-.214	.335	-.312	.403	.068	.406	1		
v8	.561	.215	.536	.195	.677	.258	-.190	1	
v9	.637	-.047	.599	.366	.559	.221	-.236	.671	1

a. Little's MCAR test: Chi-Square = 174.464, DF = 159, Sig. = .190

Regression Estimated Statistics

Regression Means^a

v1	v2	v3	v4	v5	v6	v7	v8	v9
3.862	1.939	8.068	5.132	2.842	2.587	6.753	45.664	4.790

a. Random normal variate is added to each estimate.

Regression Covariances^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	.9604								
v2	-.3845	.7619							
v3	.4998	-.2603	1.6015						
v4	.0171	.3668	-.0526	1.3389					
v5	.3379	.2496	.0987	.3518	.5558				
v6	.0518	.2035	-.0345	.6796	.2116	.5221			
v7	-.3477	.4776	-.6183	.6721	.0396	.4756	2.6823		
v8	4.2849	.8618	6.9844	2.1274	4.7296	1.7182	-2.4737	85.1669	
v9	.4336	-.0599	.6981	.2958	.3215	.1192	-.3446	5.0366	.6509

a. Random normal variate is added to each estimate.

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Regression Correlations^a

	v1	v2	v3	v4	v5	v6	v7	v8	v9
v1	1								
v2	-.450	1							
v3	.403	-.236	1						
v4	.015	.363	-.036	1					
v5	.462	.384	.105	.408	1				
v6	.073	.323	-.038	.813	.393	1			
v7	-.217	.334	-.298	.355	.032	.402	1		
v8	.474	.107	.598	.199	.687	.258	-.164	1	
v9	.548	-.085	.684	.317	.535	.205	-.261	.676	1

a. Random normal variate is added to each estimate.

Frequencies

Statistics

nmiss

N	Valid	70
	Missing	0

nmiss

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	.00	32	45.7	45.7	45.7
	1.00	18	25.7	25.7	71.4
	2.00	14	20.0	20.0	91.4
	6.00	2	2.9	2.9	94.3
	7.00	4	5.7	5.7	100.0
	Total		70	100.0	100.0

Frequencies

Statistics

nmiss

N	Valid	64
	Missing	0

nmiss

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	.00	32	50.0	50.0	50.0
	1.00	18	28.1	28.1	78.1
	2.00	14	21.9	21.9	100.0
	Total	64	100.0	100.0	

MVA

Warnings

Since more than half of the cases are missing, error terms are randomly from a Normal distribution instead of chosen randomly from the observed residuals of complete cases.

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

Univariate Statistics

	N	Mean	Std. Deviation	Missing		No. of Extremes ^a	
				Count	Percent	Low	High
v2	54	1.896	.8589	10	15.6	0	0
v3	50	8.130	1.3194	14	21.9	0	0
v4	60	5.147	1.1877	4	6.3	0	0
v5	59	2.839	.7541	5	7.8	0	0
v6	63	2.602	.7192	1	1.6	0	0
v7	60	6.790	1.6751	4	6.3	0	0
v8	60	45.967	9.4204	4	6.3	0	0
v9	60	4.798	.8194	4	6.3	0	0
v10	64			0	.0		
v11	64			0	.0		
v12	64			0	.0		
v13	64			0	.0		
v14	64			0	.0		

a. Number of cases outside the range (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Summary of Estimated Means

	v2	v3	v4	v5	v6	v7	v8	v9
Listwise	2.003	8.337	5.172	2.881	2.544	6.716	47.719	4.850
All Values	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798
EM	1.993	8.108	5.136	2.832	2.583	6.836	45.810	4.768
Regression	1.949	8.188	5.152	2.842	2.577	6.831	45.567	4.784

Summary of Estimated Standard Deviations

	v2	v3	v4	v5	v6	v7	v8	v9
Listwise	.8403	1.2141	1.1125	.6851	.7206	1.6895	9.6695	.8784
All Values	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194
EM	.8733	1.2604	1.1620	.7487	.7302	1.6730	9.2838	.8145
Regression	.8381	1.2353	1.1507	.7466	.7404	1.7203	9.3089	.8053

Separate Variance t Tests^a

	v2	v3	v4	v5	v6	v7	v8	v9
t	.	.7	-2.2	-4.2	-2.4	-1.2	-1.1	-1.2
df	.	10.3	12.1	17.8	12.0	11.0	9.3	18.6
P(2-tail)	.	.528	.044	.001	.034	.260	.318	.233
# Present	54	42	50	49	53	51	52	50
# Missing	0	8	10	10	10	9	8	10
Mean(Present)	1.896	8.181	4.988	2.704	2.506	6.682	45.462	4.754
Mean(Missing)	.	7.863	5.940	3.500	3.110	7.400	49.250	5.020

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

Separate Variance t Tests^a

	v2	v3	v4	v5	v6	v7	v8	v9	
v3	t	1.4	.	1.1	2.0	.2	.0	1.9	.9
	df	18.3	.	16.0	14.9	23.2	16.5	28.7	18.2
	P(2-tail)	.180	.	.286	.066	.818	.965	.073	.399
	# Present	42	50	48	47	49	47	46	48
	# Missing	12	0	12	12	14	13	14	12
	Mean(Present)	1.981	8.130	5.235	2.947	2.612	6.796	47.022	4.842
	Mean(Missing)	1.600	.	4.792	2.417	2.564	6.769	42.500	4.625
v4	t	2.6	-.3	.	.2	1.4	1.5	.2	-2.4
	df	5.5	1.2	.	4.0	3.8	5.8	4.1	4.5
	P(2-tail)	.046	.785	.	.888	.249	.197	.830	.064
	# Present	50	48	60	55	59	56	56	56
	# Missing	4	2	0	4	4	4	4	4
	Mean(Present)	1.942	8.121	5.147	2.842	2.625	6.832	46.018	4.757
	Mean(Missing)	1.325	8.350	.	2.800	2.250	6.200	45.250	5.375
v5	t	-.3	.8	.4	.	-.9	-.4	.5	.6
	df	6.4	2.1	7.1	.	4.8	4.5	4.4	4.5
	P(2-tail)	.749	.502	.734	.	.423	.696	.669	.605
	# Present	49	47	55	59	58	55	55	55
	# Missing	5	3	5	0	5	5	5	5
	Mean(Present)	1.888	8.196	5.156	2.839	2.579	6.758	46.182	4.820
	Mean(Missing)	1.980	7.100	5.040	.	2.860	7.140	43.600	4.560
v7	t	.9	.2	-2.1	.9	-1.5	.	.5	.4
	df	2.3	2.3	3.6	3.6	4.8	.	2.1	4.5
	P(2-tail)	.440	.864	.118	.441	.193	.	.658	.704
	# Present	51	47	56	55	59	60	57	56
	# Missing	3	3	4	4	4	0	3	4
	Mean(Present)	1.920	8.138	5.073	2.860	2.581	6.790	46.140	4.805
	Mean(Missing)	1.500	8.000	6.175	2.550	2.900	.	42.667	4.700
v8	t	-1.4	2.2	-1.1	-.9	-1.8	1.7	.	1.6
	df	1.0	3.4	3.9	4.1	4.0	9.1	.	5.7
	P(2-tail)	.384	.101	.326	.401	.149	.128	.	.155
	# Present	52	46	56	55	59	57	60	56
	# Missing	2	4	4	4	4	3	0	4
	Mean(Present)	1.854	8.261	5.113	2.822	2.573	6.816	45.967	4.821
	Mean(Missing)	3.000	6.625	5.625	3.075	3.025	6.300	.	4.475
v9	t	.8	-2.1	2.5	2.7	1.3	.9	2.4	.
	df	3.7	1.3	3.6	3.8	2.3	4.2	4.6	.
	P(2-tail)	.463	.235	.076	.056	.302	.409	.066	.
	# Present	50	48	56	55	60	56	56	60
	# Missing	4	2	4	4	3	4	4	0
	Mean(Present)	1.920	8.085	5.232	2.895	2.623	6.825	46.429	4.798
	Mean(Missing)	1.600	9.200	3.950	2.075	2.167	6.300	39.500	.

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

a. Indicator variables with less than 5% missing are not displayed.

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

Percent Mismatch of Indicator Variables.^a

	v2	v3	v4	v5	v7	v8	v9
v2	15.63						
v3	31.25	21.88					
v4	21.88	21.88	6.25				
v5	23.44	23.44	14.06	7.81			
v7	18.75	25.00	12.50	14.06	6.25		
v8	15.63	28.13	12.50	14.06	9.38	6.25	
v9	21.88	21.88	12.50	14.06	12.50	12.50	6.25

The diagonal elements are the percentages missing, and the off-diagonal elements are the mismatch percentages of indicator variables.

a. Indicator variables with less than 5% missing values are not displayed.

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

Missing Patterns (cases with missing values)

Case	# Missing	% Missing	Missing and Extreme Value Patterns ^a												
			v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14
202	1	7.7		S											
205	1	7.7		S											
250	1	7.7		S											
255	1	7.7		S											
269	1	7.7		S											
213	2	15.4	S	S											
257	2	15.4	S	S											
220	1	7.7	S												
232	1	7.7	S												
237	1	7.7	S												
248	1	7.7	S												
249	1	7.7	S												
224	2	15.4	S							S					
227	2	15.4	S							S	S				
244	1	7.7								S	S				
219	2	15.4						S	S	S					
231	1	7.7						S	S						
221	2	15.4		S				S							
241	2	15.4		S			S								
222	2	15.4		S			S								
218	1	7.7					S								
229	1	7.7					S								
216	1	7.7					S								
246	1	7.7			S										
228	1	7.7			S										
225	2	15.4		S	S										
267	2	15.4		S	S										
204	2	15.4		S											
207	2	15.4		S											
268	1	7.7								S	S				
235	2	15.4						S		S					
203	2	15.4	S					S							

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

Missing Patterns (cases with missing values)

Case	Variable Values							
	v2	v3	v4	v5	v6	v7	v8	v9
202	.4	.	2.5	1.2	1.7	5.2	35.0	3.3
205	1.4	.	4.8	3.3	2.6	3.8	49.0	4.9
250	3.7	.	5.2	3.0	2.3	9.1	49.0	4.8
255	1.0	.	3.4	1.7	1.1	6.2	35.0	4.1
269	1.9	.	4.5	1.5	3.1	9.9	39.0	3.3
213	.	.	7.8	3.6	4.0	5.9	43.0	5.2
257	.	.	5.8	3.7	2.5	9.3	44.0	4.8
220	.	9.0	7.0	3.2	3.7	8.0	33.0	5.4
232	.	8.2	5.0	3.6	2.5	9.0	53.0	5.2
237	.	7.4	6.9	4.6	4.0	9.6	62.0	6.2
248	.	6.4	5.3	3.0	2.5	7.1	46.0	4.5
249	.	8.5	3.7	3.5	1.9	4.8	58.0	4.3
224	.	8.6	5.7	2.7	3.7	6.7	.	5.0
227	.	5.7	5.1	3.6	2.9	6.2	.	4.4
244	3.8	5.5	4.9	3.4	2.6	6.0	.	4.2
219	2.2	6.7	6.8	2.6	2.9	.	.	4.3
231	.7	8.2	6.0	2.1	2.5	.	41.0	5.0
221	1.6	.	4.8	2.0	2.8	.	32.0	4.3
241	1.9	.	4.5	.	3.1	3.8	54.0	4.8
222	2.2	.	4.6	.	2.5	8.3	47.0	5.0
218	2.8	5.2	5.0	.	2.7	8.4	38.0	3.7
229	1.4	9.7	6.1	.	3.9	6.8	54.0	5.9
216	1.6	6.4	5.0	.	2.1	8.4	25.0	3.4
246	1.4	9.0	.	2.6	2.3	6.8	45.0	4.9
228	1.8	7.7	.	3.4	1.5	5.9	40.0	5.6
225	1.3	.	.	3.0	2.6	6.8	54.0	5.9
267	.8	.	.	2.2	2.6	5.3	42.0	5.1
204	1.5	.	4.8	1.9	2.5	7.2	36.0	.
207	1.5	.	4.8	1.9	2.5	7.2	36.0	.
268	2.6	9.7	3.3	2.9	1.5	5.2	47.0	.
235	.8	8.7	2.9	1.6	.	5.6	39.0	.
203	.	9.1	7.1	3.5	3.4	.	55.0	5.2

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

a. Cases are sorted on missing patterns, variables are not sorted.

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

Tabulated Patterns

Number of Cases	Missing Patterns ^a													Complete if ... ^l	v2 ^c
	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14		
32														32	2.003
5		X												37	1.680
2	X	X												44	.
5	X													37	.
2	X													40	.
1														33	3.800
1														35	2.200
1						X								33	.700
1						X								39	1.600
2		X				X								42	2.050
3		X				X								35	1.933
2														34	1.600
2		X												41	1.050
2		X												40	1.500
1														33	2.600
1														34	.800
1	X					X								39	.

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

Tabulated Patterns

	v3 ^c	v4 ^c	v5 ^c	v6 ^c	v7 ^c	v8 ^c	v9 ^c
Number of Cases							
32	8.337	5.172	2.881	2.544	6.716	47.719	4.850
5	.	4.080	2.140	2.160	6.840	41.400	4.080
2	.	6.800	3.650	3.250	7.600	43.500	5.000
5	7.900	5.580	3.580	2.920	7.700	50.400	5.120
2	7.150	5.400	3.150	3.300	6.450	.	4.700
1	5.500	4.900	3.400	2.600	6.000	.	4.200
1	6.700	6.800	2.600	2.900	.	.	4.300
1	8.200	6.000	2.100	2.500	.	41.000	5.000
1	.	4.800	2.000	2.800	.	32.000	4.300
2	.	4.550	.	2.800	6.050	50.500	4.900
3	7.100	5.367	.	2.900	7.867	39.000	4.333
2	8.350	.	3.000	1.900	6.350	42.500	5.250
2	.	.	2.600	2.600	6.050	48.000	5.500
2	.	4.800	1.900	2.500	7.200	36.000	.
1	9.700	3.300	2.900	1.500	5.200	47.000	.
1	8.700	2.900	1.600	.	5.600	39.000	.
1	9.100	7.100	3.500	3.400	.	55.000	5.200

- a. Variables are not sorted.
- b. Number of complete cases if variables missing in that pattern (marked with X) are not used.
- c. Means at each unique pattern

Listwise Statistics

Listwise Means

Number of cases	v2	v3	v4	v5	v6	v7	v8	v9
32	2.003	8.337	5.172	2.881	2.544	6.716	47.719	4.850

Listwise Covariances

	v2	v3	v4	v5	v6	v7	v8	v9
v2	.7061							
v3	-.2914	1.4740						
v4	.2662	-.1012	1.2376					
v5	.1643	.2065	.1972	.4693				
v6	.2099	-.0762	.6561	.1554	.5193			
v7	.4896	-.8342	.7863	-.0316	.6599	2.8543		
v8	.0686	8.4625	2.1822	4.7204	1.8062	-4.4213	93.4990	
v9	-.2008	.8171	.2085	.2755	.0590	-.6411	6.0306	.7716

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

Listwise Correlations

	v2	v3	v4	v5	v6	v7	v8	v9
v2	1							
v3	-.286	1						
v4	.285	-.075	1					
v5	.285	.248	.259	1				
v6	.347	-.087	.818	.315	1			
v7	.345	-.407	.418	-.027	.542	1		
v8	.008	.721	.203	.713	.259	-.271	1	
v9	-.272	.766	.213	.458	.093	-.432	.710	1

Pairwise Statistics

Pairwise Frequencies

	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14
v2	54												
v3	42	50											
v4	50	48	60										
v5	49	47	55	59									
v6	53	49	59	58	63								
v7	51	47	56	55	59	60							
v8	52	46	56	55	59	57	60						
v9	50	48	56	55	60	56	56	60					
v10	54	50	60	59	63	60	60	60	64				
v11	54	50	60	59	63	60	60	60	64	64			
v12	54	50	60	59	63	60	60	60	64	64	64		
v13	54	50	60	59	63	60	60	60	64	64	64	64	
v14	54	50	60	59	63	60	60	60	64	64	64	64	64

Pairwise Means

	v2	v3	v4	v5	v6	v7	v8	v9
v2	1.896	8.181	4.988	2.704	2.506	6.682	45.462	4.754
v3	1.981	8.130	5.235	2.947	2.612	6.796	47.022	4.842
v4	1.942	8.121	5.147	2.842	2.625	6.832	46.018	4.757
v5	1.888	8.196	5.156	2.839	2.579	6.758	46.182	4.820
v6	1.917	8.118	5.185	2.860	2.602	6.810	46.085	4.798
v7	1.920	8.138	5.073	2.860	2.581	6.790	46.140	4.805
v8	1.854	8.261	5.113	2.822	2.573	6.816	45.967	4.821
v9	1.920	8.085	5.232	2.895	2.623	6.825	46.429	4.798
v10	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798
v11	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798
v12	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798
v13	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798
v14	1.896	8.130	5.147	2.839	2.602	6.790	45.967	4.798

Mean of quantitative variable when other variable is present.

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

Pairwise Standard Deviations

	v2	v3	v4	v5	v6	v7	v8	v9
v2	.8589	1.3408	1.1224	.7283	.6795	1.6686	9.4027	.8591
v3	.8583	1.3194	1.1643	.6947	.7412	1.6007	9.8036	.8351
v4	.8711	1.3397	1.1877	.7719	.7279	1.7186	9.6474	.8264
v5	.8880	1.2429	1.2289	.7541	.7235	1.6616	9.2298	.8070
v6	.8534	1.3305	1.1604	.7424	.7192	1.6821	9.4564	.8194
v7	.8656	1.3377	1.1719	.7603	.7343	1.6751	9.3855	.8411
v8	.8318	1.2421	1.2065	.7697	.7268	1.7141	9.4204	.8396
v9	.8697	1.3242	1.1609	.7392	.7226	1.7120	9.5114	.8194
v10	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194
v11	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194
v12	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194
v13	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194
v14	.8589	1.3194	1.1877	.7541	.7192	1.6751	9.4204	.8194

Standard deviation of quantitative variable when other variable is present.

Pairwise Covariances

	v2	v3	v4	v5	v6	v7	v8	v9
v2	.7377							
v3	-.4111	1.7409						
v4	.2921	-.1020	1.4107					
v5	.2844	.0409	.4095	.5686				
v6	.1509	-.0346	.6842	.1848	.5173			
v7	.5022	-.7668	.8012	.0839	.4964	2.8060		
v8	1.1668	7.3231	2.5907	5.0552	1.8403	-3.2469	88.7446	
v9	-.1376	.7764	.3630	.3179	.1382	-.3681	5.3434	.6714

Pairwise Correlations

	v2	v3	v4	v5	v6	v7	v8	v9
v2	1							
v3	-.357	1						
v4	.299	-.065	1					
v5	.440	.047	.432	1				
v6	.260	-.035	.810	.344	1			
v7	.348	-.358	.398	.066	.402	1		
v8	.149	.601	.223	.712	.268	-.202	1	
v9	-.184	.702	.378	.533	.233	-.256	.669	1

EM Estimated Statistics

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

EM Means^a

v2	v3	v4	v5	v6	v7	v8	v9
1.993	8.108	5.136	2.832	2.583	6.836	45.810	4.768

a. Little's MCAR test: Chi-Square = 99.367, DF = 103, Sig. = .583

EM Covariances^a

	v2	v3	v4	v5	v6	v7	v8	v9
v2	.7626							
v3	-.3468	1.5887						
v4	.3049	-.1301	1.3504					
v5	.3156	.0640	.3526	.5605				
v6	.1884	-.0655	.6829	.2066	.5332			
v7	.5115	-.6294	.7739	.0403	.5039	2.7989		
v8	1.3501	6.3727	2.1476	4.7539	1.8283	-2.9874	86.1895	
v9	-.0535	.6300	.3396	.3368	.1414	-.3275	5.0875	.6634

a. Little's MCAR test: Chi-Square = 99.367, DF = 103, Sig. = .583

EM Correlations^a

	v2	v3	v4	v5	v6	v7	v8	v9
v2	1							
v3	-.315	1						
v4	.300	-.089	1					
v5	.483	.068	.405	1				
v6	.295	-.071	.805	.378	1			
v7	.350	-.298	.398	.032	.412	1		
v8	.167	.545	.199	.684	.270	-.192	1	
v9	-.075	.614	.359	.552	.238	-.240	.673	1

a. Little's MCAR test: Chi-Square = 99.367, DF = 103, Sig. = .583

Regression Estimated Statistics

Regression Means^a

v2	v3	v4	v5	v6	v7	v8	v9
1.949	8.188	5.152	2.842	2.577	6.831	45.567	4.784

a. Random normal variate is added to each estimate.

DELETE CASES GT 50 PERCENT MISSING AND DELETE X1

Regression Covariances^a

	v2	v3	v4	v5	v6	v7	v8	v9
v2	.7024							
v3	-.3072	1.5260						
v4	.3207	-.1303	1.3242					
v5	.2951	-.0028	.3612	.5575				
v6	.1944	-.0296	.6796	.2170	.5482			
v7	.4699	-.7515	.7845	.0174	.4770	2.9593		
v8	.9165	6.6215	1.9909	4.4849	1.7827	-2.9789	86.6555	
v9	-.0420	.6234	.3382	.3075	.1427	-.3167	5.0638	.6485

a. Random normal variate is added to each estimate.

Regression Correlations^a

	v2	v3	v4	v5	v6	v7	v8	v9
v2	1							
v3	-.297	1						
v4	.333	-.092	1					
v5	.472	-.003	.420	1				
v6	.313	-.032	.798	.393	1			
v7	.326	-.354	.396	.014	.375	1		
v8	.117	.576	.186	.645	.259	-.186	1	
v9	-.062	.627	.365	.511	.239	-.229	.675	1

a. Random normal variate is added to each estimate.