

Program for Single Level Analysis written by DETECT for Windows

SINGLE-LEVEL (DYAD) ANALYSIS FROM SECTION 5.2

13 1 1 1 2 0 0 0 0 6 4 0 1 0 0

NEGOTITN

SATISFTN

PERFORMC

TASKCLAR

(3F2.0,2F1.0,5F2.0)

DDDDDDD	EEEEEEEE	TTTTTTTT	EEEEEEEE	CCCCC	TTTTTTTT	
DDDDDDDD	EEEEEEEE	TTTTTTTT	EEEEEEEE	CCCCCCC	TTTTTTTT	
DD	DD	EE	TT	EE	CC	TT
DD	DD	EE	TT	EE	CC	TT
DD	DD	EEEE	TT	EEEE	CC	TT
DD	DD	EEEE	TT	EEEE	CC	TT
DD	DD	EE	TT	EE	CC	TT
DD	DD	EE	TT	EE	CC	TT
DDDDDDDD	EEEEEEEE	TT	EEEEEEEE	CCCCCCC	TT	
DDDDDDD	EEEEEEEE	TT	EEEEEEEE	CCCCC	TT	

DATA ENQUIRY THAT TESTS ENTITY AND
 CORRELATIONAL/CAUSAL THEORIES
 PROGRAM TITLE
 SINGLE-LEVEL (DYAD) ANALYSIS FROM SECTION 5.2

TABLE I
GENERAL INFORMATION LINE

ENTRY	MEANING	CODE
ONE	DATA INPUT FROM FILE	13,
TWO	OUTPUT TO FILE 8 ONLY. OPTION	1,
THREE	REGULAR TABLES OUTPUT. OPTION	1,
FOUR	ALL TABLES OUTPUT. OPTION	1,
FIVE	POSITION OF FIRST CELL INDICATOR	2,
SIX	NO SECOND CELL INDICATOR	0,
SEVEN	NUMBER OF ADDITIONAL LEVELS OF ANALYSIS	0,
EIGHT	MULTIPLE-VARIABLE ANALYSIS DELETED. OPTION	0,
NINE	MULTIPLE-RELATIONSHIP ANALYSIS DELETED. OPTION	0,
TEN	NUMBER OF VARIABLES NOT TO BE ANALYZED	6,
ELEVEN	NUMBER OF VARIABLES TO BE ANALYZED	4,
TWELVE	LABELS INPUT WITH PROGRAM. OPTION	0,
THIRTEEN	NUMBER OF LINES READ FOR FORMAT STATEMENT	1,
FOURTEEN	NO MISSING VALUES. OPTION	0,
FIFTEEN	DATA TRANSFORMATIONS DELETED. OPTION	0

TABLE II
DETAILED INFORMATION LINE

ENTRY	MEANING	CODE
ONE	TOTAL NUMBER OF LINES PER PAGE	61,
TWO	INFORMATION TABLES PRINTED (TABLES I,II AND III) OPTION	1,
THREE	NUMBER OF ENTRIES FOR CELL FREQUENCIES (TABLE CF)	23,
	NUMBER OF ENTRIES IN AVERAGE AND DISPERSION TABLES	
FOUR	ACROSS ALL CASES (TABLE AT)	20,
FIVE	BY CELLS (TABLE AC)	21,
SIX	BY VARIABLES (TABLE AV)	21,
	NUMBER OF ENTRIES IN WABA TABLES	
SEVEN	WABA I (TABLE WI)	15,
EIGHT	WABA II (TABLES WIID,WIIM AND WTC)	15,
	NUMBER OF ENTRIES IN MULTIPLE-VARIABLE ANALYSIS	
NINE	WITHIN-CELL (TABLE MVAW)	0,
TEN	BETWEEN-CELL (TABLE MVAB)	0,
ELEVEN	CORRELATION MATRIX PRINTED. OPTION	1,
TWELVE	DEVIATIONS OUTPUT. OPTION	1,
THIRTEEN	MULTIPLE-RELATIONSHIP ANALYSIS DELETED (TABLE MRA)	0,
FOURTEEN	SEQUENCING PACKAGE CALLED. OPTION	1,
FIFTEEN	EXTRA ROUNDING DELETED. OPTION	0

TABLE III
ADDITIONAL INFORMATION

ADDITIONAL CELL INDICATOR LINE(S) GIL ENTRY SEVEN = 0
NO LINES READ

LABEL LINE(S) GIL ENTRY TWELVE = 0
NEGOTITN
SATISFTN
PERFORMC
TASKCLAR

FORMAT LINE(S) GIL ENTRY THIRTEEN = 1
(3F2.0,2F1.0,5F2.0)

MISSING VALUES LINE(S) GIL ENTRY FOURTEEN = 0
NO LINES READ

DATA TRANSFORMATION LINE(S) GIL ENTRY FIFTEEN = 0
NO LINES READ

NUMBER OF CASES FOR ANALYSIS
40

TABLE CF
(LEVEL = 1 CONDITION = 1)
CELL FREQUENCIES

CELL ID NUMBER	CELL SIZE
1	2
7	2
9	2
34	2
35	2
3	2
2	2
10	2
36	2
38	2
4	2
5	2
31	2
37	2
39	2
6	2
8	2
33	2
32	2
40	2

TABLE AT
 (LEVEL = 1 CONDITION = 1)
 AVERAGES AND DISPERSIONS ACROSS ALL CASES

VARIABLE	AVERAGE	AVERAGE SUMS OF SQUARES		
	TOTAL SCORE	TOTAL	BETWEEN	WITHIN
NEGOTITN	19.20000	22.96000	1.86000	21.10000
SATISFTN	20.85000	15.52750	1.20250	14.32500
PERFORMC	22.75000	133.58750	133.26250	0.32500
TASKCLAR	18.75000	51.78750	51.21250	0.57500
TOTAL NUMBER OF CASES	40			

TABLE AC
 (LEVEL = 1 CONDITION = 1)
 AVERAGES AND DISPERSIONS BY CELLS

VARIABLE	CELL		AVERAGE	AVERAGE SUMS OF SQUARES		
	NUMBER	SIZE	TOTAL SCORE	TOTAL	BETWEEN	WITHIN
NEGOTITN	1	2	-1.20000	17.44000	1.44000	16.00000
SATISFTN	1	2	0.15000	49.02250	0.02250	49.00000
PERFORMC	1	2	9.75000	95.31250	95.06250	0.25000
TASKCLAR	1	2	-8.25000	68.31250	68.06250	0.25000
NEGOTITN	7	2	-0.20000	16.04000	0.04000	16.00000
SATISFTN	7	2	2.15000	5.62250	4.62250	1.00000
PERFORMC	7	2	3.75000	14.31250	14.06250	0.25000
TASKCLAR	7	2	-2.75000	7.56250	7.56250	0.00000
NEGOTITN	9	2	1.30000	43.94000	1.69000	42.25000
SATISFTN	9	2	0.65000	6.67250	0.42250	6.25000
PERFORMC	9	2	-19.75000	391.06250	390.06250	1.00000
TASKCLAR	9	2	13.25000	175.56250	175.56250	0.00000
NEGOTITN	34	2	1.80000	28.24000	3.24000	25.00000
SATISFTN	34	2	0.15000	1.02250	0.02250	1.00000
PERFORMC	34	2	12.75000	162.81250	162.56250	0.25000
TASKCLAR	34	2	-5.75000	33.06250	33.06250	0.00000
NEGOTITN	35	2	0.80000	4.64000	0.64000	4.00000
SATISFTN	35	2	-1.85000	19.42250	3.42250	16.00000
PERFORMC	35	2	-2.75000	7.56250	7.56250	0.00000
TASKCLAR	35	2	2.25000	6.06250	5.06250	1.00000
NEGOTITN	3	2	0.30000	42.34000	0.09000	42.25000

TABLE AC
 (LEVEL = 1 CONDITION = 1)
 AVERAGES AND DISPERSIONS BY CELLS

VARIABLE	CELL		AVERAGE	AVERAGE SUMS OF SQUARES		
	NUMBER	SIZE	TOTAL SCORE	TOTAL	BETWEEN	WITHIN
SATISFTN	3	2	0.15000	25.02250	0.02250	25.00000
PERFORMC	3	2	16.25000	264.06250	264.06250	0.00000
TASKCLAR	3	2	-6.75000	45.56250	45.56250	0.00000
NEGOTITN	2	2	-2.70000	19.54000	7.29000	12.25000
SATISFTN	2	2	0.15000	4.02250	0.02250	4.00000
PERFORMC	2	2	-0.75000	0.56250	0.56250	0.00000
TASKCLAR	2	2	-0.75000	1.56250	0.56250	1.00000
NEGOTITN	10	2	0.80000	25.64000	0.64000	25.00000
SATISFTN	10	2	0.15000	16.02250	0.02250	16.00000
PERFORMC	10	2	-3.75000	15.06250	14.06250	1.00000
TASKCLAR	10	2	-0.25000	0.31250	0.06250	0.25000
NEGOTITN	36	2	0.80000	16.64000	0.64000	16.00000
SATISFTN	36	2	-1.85000	12.42250	3.42250	9.00000
PERFORMC	36	2	3.75000	14.31250	14.06250	0.25000
TASKCLAR	36	2	-3.75000	15.06250	14.06250	1.00000
NEGOTITN	38	2	-1.70000	15.14000	2.89000	12.25000
SATISFTN	38	2	0.15000	16.02250	0.02250	16.00000
PERFORMC	38	2	-19.25000	370.81250	370.56250	0.25000
TASKCLAR	38	2	12.75000	164.81250	162.56250	2.25000
NEGOTITN	4	2	1.80000	28.24000	3.24000	25.00000
SATISFTN	4	2	0.15000	1.02250	0.02250	1.00000

TABLE AC
 (LEVEL = 1 CONDITION = 1)
 AVERAGES AND DISPERSIONS BY CELLS

VARIABLE	CELL		AVERAGE	AVERAGE SUMS OF SQUARES		
	NUMBER	SIZE	TOTAL SCORE	TOTAL	BETWEEN	WITHIN
PERFORMC	4	2	12.75000	162.81250	162.56250	0.25000
TASKCLAR	4	2	-5.75000	33.06250	33.06250	0.00000
NEGOTITN	5	2	0.80000	4.64000	0.64000	4.00000
SATISFTN	5	2	-1.85000	19.42250	3.42250	16.00000
PERFORMC	5	2	-2.75000	7.56250	7.56250	0.00000
TASKCLAR	5	2	2.25000	6.06250	5.06250	1.00000
NEGOTITN	31	2	-1.20000	17.44000	1.44000	16.00000
SATISFTN	31	2	0.15000	49.02250	0.02250	49.00000
PERFORMC	31	2	9.75000	95.31250	95.06250	0.25000
TASKCLAR	31	2	-8.25000	68.31250	68.06250	0.25000
NEGOTITN	37	2	-0.20000	16.04000	0.04000	16.00000
SATISFTN	37	2	2.15000	5.62250	4.62250	1.00000
PERFORMC	37	2	3.75000	14.31250	14.06250	0.25000
TASKCLAR	37	2	-2.75000	7.56250	7.56250	0.00000
NEGOTITN	39	2	1.30000	43.94000	1.69000	42.25000
SATISFTN	39	2	0.65000	6.67250	0.42250	6.25000
PERFORMC	39	2	-19.75000	391.06250	390.06250	1.00000
TASKCLAR	39	2	13.25000	175.56250	175.56250	0.00000
NEGOTITN	6	2	0.80000	16.64000	0.64000	16.00000
SATISFTN	6	2	-1.85000	12.42250	3.42250	9.00000
PERFORMC	6	2	3.75000	14.31250	14.06250	0.25000

TABLE AC
 (LEVEL = 1 CONDITION = 1)
 AVERAGES AND DISPERSIONS BY CELLS

VARIABLE	CELL		AVERAGE	AVERAGE SUMS OF SQUARES		
	NUMBER	SIZE	TOTAL SCORE	TOTAL	BETWEEN	WITHIN
TASKCLAR	6	2	-3.75000	15.06250	14.06250	1.00000
NEGOTITN	8	2	-1.70000	15.14000	2.89000	12.25000
SATISFTN	8	2	0.15000	16.02250	0.02250	16.00000
PERFORMC	8	2	-19.25000	370.81250	370.56250	0.25000
TASKCLAR	8	2	12.75000	164.81250	162.56250	2.25000
NEGOTITN	33	2	0.30000	42.34000	0.09000	42.25000
SATISFTN	33	2	0.15000	25.02250	0.02250	25.00000
PERFORMC	33	2	16.25000	264.06250	264.06250	0.00000
TASKCLAR	33	2	-6.75000	45.56250	45.56250	0.00000
NEGOTITN	32	2	-2.70000	19.54000	7.29000	12.25000
SATISFTN	32	2	0.15000	4.02250	0.02250	4.00000
PERFORMC	32	2	-0.75000	0.56250	0.56250	0.00000
TASKCLAR	32	2	-0.75000	1.56250	0.56250	1.00000
NEGOTITN	40	2	0.80000	25.64000	0.64000	25.00000
SATISFTN	40	2	0.15000	16.02250	0.02250	16.00000
PERFORMC	40	2	-3.75000	15.06250	14.06250	1.00000
TASKCLAR	40	2	-0.25000	0.31250	0.06250	0.25000

TABLE AV
 (LEVEL = 1 CONDITION = 1)
 AVERAGES AND DISPERSIONS BY VARIABLES

VARIABLE	CELL		AVERAGE	AVERAGE SUMS OF SQUARES		
	NUMBER	SIZE	TOTAL SCORE	TOTAL	BETWEEN	WITHIN
NEGOTITN	1	2	-1.20000	17.44000	1.44000	16.00000
NEGOTITN	7	2	-0.20000	16.04000	0.04000	16.00000
NEGOTITN	9	2	1.30000	43.94000	1.69000	42.25000
NEGOTITN	34	2	1.80000	28.24000	3.24000	25.00000
NEGOTITN	35	2	0.80000	4.64000	0.64000	4.00000
NEGOTITN	3	2	0.30000	42.34000	0.09000	42.25000
NEGOTITN	2	2	-2.70000	19.54000	7.29000	12.25000
NEGOTITN	10	2	0.80000	25.64000	0.64000	25.00000
NEGOTITN	36	2	0.80000	16.64000	0.64000	16.00000
NEGOTITN	38	2	-1.70000	15.14000	2.89000	12.25000
NEGOTITN	4	2	1.80000	28.24000	3.24000	25.00000
NEGOTITN	5	2	0.80000	4.64000	0.64000	4.00000
NEGOTITN	31	2	-1.20000	17.44000	1.44000	16.00000
NEGOTITN	37	2	-0.20000	16.04000	0.04000	16.00000
NEGOTITN	39	2	1.30000	43.94000	1.69000	42.25000
NEGOTITN	6	2	0.80000	16.64000	0.64000	16.00000
NEGOTITN	8	2	-1.70000	15.14000	2.89000	12.25000
NEGOTITN	33	2	0.30000	42.34000	0.09000	42.25000
NEGOTITN	32	2	-2.70000	19.54000	7.29000	12.25000
NEGOTITN	40	2	0.80000	25.64000	0.64000	25.00000
SATISFTN	1	2	0.15000	49.02250	0.02250	49.00000

TABLE AV
 (LEVEL = 1 CONDITION = 1)
 AVERAGES AND DISPERSIONS BY VARIABLES

VARIABLE	CELL		AVERAGE	AVERAGE SUMS OF SQUARES		
	NUMBER	SIZE	TOTAL SCORE	TOTAL	BETWEEN	WITHIN
SATISFTN	7	2	2.15000	5.62250	4.62250	1.00000
SATISFTN	9	2	0.65000	6.67250	0.42250	6.25000
SATISFTN	34	2	0.15000	1.02250	0.02250	1.00000
SATISFTN	35	2	-1.85000	19.42250	3.42250	16.00000
SATISFTN	3	2	0.15000	25.02250	0.02250	25.00000
SATISFTN	2	2	0.15000	4.02250	0.02250	4.00000
SATISFTN	10	2	0.15000	16.02250	0.02250	16.00000
SATISFTN	36	2	-1.85000	12.42250	3.42250	9.00000
SATISFTN	38	2	0.15000	16.02250	0.02250	16.00000
SATISFTN	4	2	0.15000	1.02250	0.02250	1.00000
SATISFTN	5	2	-1.85000	19.42250	3.42250	16.00000
SATISFTN	31	2	0.15000	49.02250	0.02250	49.00000
SATISFTN	37	2	2.15000	5.62250	4.62250	1.00000
SATISFTN	39	2	0.65000	6.67250	0.42250	6.25000
SATISFTN	6	2	-1.85000	12.42250	3.42250	9.00000
SATISFTN	8	2	0.15000	16.02250	0.02250	16.00000
SATISFTN	33	2	0.15000	25.02250	0.02250	25.00000
SATISFTN	32	2	0.15000	4.02250	0.02250	4.00000
SATISFTN	40	2	0.15000	16.02250	0.02250	16.00000
PERFORMC	1	2	9.75000	95.31250	95.06250	0.25000
PERFORMC	7	2	3.75000	14.31250	14.06250	0.25000

TABLE AV
 (LEVEL = 1 CONDITION = 1)
 AVERAGES AND DISPERSIONS BY VARIABLES

VARIABLE	CELL		AVERAGE	AVERAGE SUMS OF SQUARES		
	NUMBER	SIZE	TOTAL SCORE	TOTAL	BETWEEN	WITHIN
PERFORMC	9	2	-19.75000	391.06250	390.06250	1.00000
PERFORMC	34	2	12.75000	162.81250	162.56250	0.25000
PERFORMC	35	2	-2.75000	7.56250	7.56250	0.00000
PERFORMC	3	2	16.25000	264.06250	264.06250	0.00000
PERFORMC	2	2	-0.75000	0.56250	0.56250	0.00000
PERFORMC	10	2	-3.75000	15.06250	14.06250	1.00000
PERFORMC	36	2	3.75000	14.31250	14.06250	0.25000
PERFORMC	38	2	-19.25000	370.81250	370.56250	0.25000
PERFORMC	4	2	12.75000	162.81250	162.56250	0.25000
PERFORMC	5	2	-2.75000	7.56250	7.56250	0.00000
PERFORMC	31	2	9.75000	95.31250	95.06250	0.25000
PERFORMC	37	2	3.75000	14.31250	14.06250	0.25000
PERFORMC	39	2	-19.75000	391.06250	390.06250	1.00000
PERFORMC	6	2	3.75000	14.31250	14.06250	0.25000
PERFORMC	8	2	-19.25000	370.81250	370.56250	0.25000
PERFORMC	33	2	16.25000	264.06250	264.06250	0.00000
PERFORMC	32	2	-0.75000	0.56250	0.56250	0.00000
PERFORMC	40	2	-3.75000	15.06250	14.06250	1.00000
TASKCLAR	1	2	-8.25000	68.31250	68.06250	0.25000
TASKCLAR	7	2	-2.75000	7.56250	7.56250	0.00000
TASKCLAR	9	2	13.25000	175.56250	175.56250	0.00000

TABLE AV
 (LEVEL = 1 CONDITION = 1)
 AVERAGES AND DISPERSIONS BY VARIABLES

VARIABLE	CELL		AVERAGE	AVERAGE SUMS OF SQUARES		
	NUMBER	SIZE	TOTAL SCORE	TOTAL	BETWEEN	WITHIN
TASKCLAR	34	2	-5.75000	33.06250	33.06250	0.00000
TASKCLAR	35	2	2.25000	6.06250	5.06250	1.00000
TASKCLAR	3	2	-6.75000	45.56250	45.56250	0.00000
TASKCLAR	2	2	-0.75000	1.56250	0.56250	1.00000
TASKCLAR	10	2	-0.25000	0.31250	0.06250	0.25000
TASKCLAR	36	2	-3.75000	15.06250	14.06250	1.00000
TASKCLAR	38	2	12.75000	164.81250	162.56250	2.25000
TASKCLAR	4	2	-5.75000	33.06250	33.06250	0.00000
TASKCLAR	5	2	2.25000	6.06250	5.06250	1.00000
TASKCLAR	31	2	-8.25000	68.31250	68.06250	0.25000
TASKCLAR	37	2	-2.75000	7.56250	7.56250	0.00000
TASKCLAR	39	2	13.25000	175.56250	175.56250	0.00000
TASKCLAR	6	2	-3.75000	15.06250	14.06250	1.00000
TASKCLAR	8	2	12.75000	164.81250	162.56250	2.25000
TASKCLAR	33	2	-6.75000	45.56250	45.56250	0.00000
TASKCLAR	32	2	-0.75000	1.56250	0.56250	1.00000
TASKCLAR	40	2	-0.25000	0.31250	0.06250	0.25000

TABLE WI
 (LEVEL = 1 CONDITION = 1)
 WITHIN AND BETWEEN ANALYSIS I

ETA CORRELATIONS				F RATIOS		
	BETWEEN	WITHIN	E RATIO INDUCTION	BETWEEN	WITHIN	PROB
NEGOTITN	0.28462	0.95864	0.29690 PARTS-30		10.77688	0.0000
SATISFTN	0.27829	0.96050	0.28973 PARTS-30		11.31705	0.0000
PERFORMC	0.99878	0.04932	20.24941 WHOLES-30	431.61943		0.0000
TASKCLAR	0.99443	0.10537	9.43744 WHOLES-30	93.75286		0.0000
AVERAGES	0.63903	0.51846	7.56837	262.68615	11.04696	
PRACTICAL SIGNIFICANCE CRITERIA						
WHOLES - 15		E > OR =	1.30323			
WHOLES - 30		E > OR =	1.73205			
PARTS - 15		E < OR =	0.76733			
PARTS - 30		E < OR =	0.57735			
DEGREES OF FREEDOM FOR (BETWEEN)				F-RATIO =	19,	20
DEGREES OF FREEDOM FOR (WITHIN)				F-RATIO =	20,	19

TABLE WIID
 (LEVEL = 1 CONDITION = 1)
 WITHIN AND BETWEEN ANALYSIS II (DIFFERENCE TESTS)

CORRELATIONS

	BETWEEN	WITHIN	A-VALUE	INDUCTION	Z-VALUE
NEGOTITN					
SATISFTN	-0.19725	0.84409	-0.80631	PARTS-30	-3.06140**
PERFORMC	0.14133	-0.04773	0.09405		0.27944
TASKCLAR	-0.05891	0.05024	0.00869		0.02572
SATISFTN					
PERFORMC	-0.03456	0.06952	-0.03501		-0.10366
TASKCLAR	0.05256	0.15679	-0.10486		-0.31190
PERFORMC					
TASKCLAR	-0.96793	-0.11566	1.20094	WHOLES-30	5.74288**
AVERAGES	-0.17746	0.15954	0.05958		0.42851

PRACTICAL SIGNIFICANCE CRITERIA

WHOLES - 15	A	>	OR	=	0.26180
WHOLES - 30	A	>	OR	=	0.52360
PARTS - 15	A	<	OR	=	-0.26180
PARTS - 30	A	<	OR	=	-0.52360

*P < OR = .05

**P < OR = .01

TABLE WIIM
 (LEVEL = 1 CONDITION = 1)
 WITHIN AND BETWEEN ANALYSIS II (MAGNITUDE TESTS)

	BETWEEN			WITHIN		
	R TEST	IND*	T TEST PROB	R TEST	IND*	T TEST PROB
NEGOTITN						
SATISFTN	0.20121		0.85364 0.4045	1.57421 S-30		6.86184 0.0000
PERFORMC	0.14276		0.60567 0.5523	0.04779		0.20830 0.8372
TASKCLAR	0.05902		0.25039 0.8051	0.05031		0.21927 0.8288
SATISFTN						
PERFORMC	0.03458		0.14672 0.8850	0.06969		0.30376 0.7646
TASKCLAR	0.05264		0.22332 0.8258	0.15876		0.69201 0.4973
PERFORMC						
TASKCLAR	3.85298 S-30		16.34681 0.0000	0.11644		0.50757 0.6176
AVERAGES	0.72386		3.07109	0.33620		1.46546
PRACTICAL SIGNIFICANCE CRITERIA						
S - 15	R > OR =	0.26795		0.26795		
S - 30	R > OR =	0.57735		0.57735		
DEGREES OF FREEDOM FOR (BETWEEN) T TEST = 1, 18 * INDICATES						
DEGREES OF FREEDOM FOR (WITHIN) T TEST = 1, 19 INDUCTION						

TABLE WTC
 (LEVEL = 1 CONDITION = 1)
 TOTAL CORRELATION AND COMPONENT ANALYSIS

	TOTAL				COMPONENTS		
	CORRELATION	R TEST	T TEST	PROB	BETWEEN	WITHIN	INDUCTION
NEGOTITN							
SATISFTN	0.76159	1.17519	7.24437	0.0000	-0.01562	0.77722	PARTS-30
PERFORMC	0.03792	0.03795	0.23391	0.8163	0.04018	-0.00226	
TASKCLAR	-0.01160	0.01160	0.07151	0.9434	-0.01668	0.00508	
SATISFTN							
PERFORMC	-0.00631	0.00631	0.03891	0.9692	-0.00961	0.00329	
TASKCLAR	0.03042	0.03043	0.18758	0.8522	0.01455	0.01587	
PERFORMC							
TASKCLAR	-0.96197	3.52180	21.70983	0.0000	-0.96137	-0.00060	WHOLES-30
AVERAGES	-0.02499	0.79721	4.91435		-0.15809	0.13310	

PRACTICAL SIGNIFICANCE CRITERIA

WHOLES-15	E(1) AND E(2) > OR = 1.30323	AND A(1+2) > OR = 0.26180
WHOLES-30	E(1) AND E(2) > OR = 1.73205	AND A(1+2) > OR = 0.52360
PARTS-15	E(1) AND E(2) < OR = 0.76733	AND A(1+2) < OR = -0.26180
PARTS-30	E(1) AND E(2) < OR = 0.57735	AND A(1+2) < OR = -0.52360

DEGREES OF FREEDOM FOR (TOTAL) T TEST = 1, 38

CORRELATION MATRIX

TABLE C-1
VARIABLE NUMBERING SYSTEM

VARIABLE NUMBERS	MEANING
1 TO 4	TOTAL SCORES
30001 TO 30004	WITHIN-CELL SCORES
60001 TO 60004	BETWEEN-CELL SCORES

TABLE C-2
CORRESPONDENCE OF VARIABLE LABELS AND NUMBERS

		VARIABLE NUMBER			
VARIABLE LABEL	TOTAL	WITHIN-CELL	BETWEEN-CELL		
NEGOTITN	1	30001	60001		
SATISFTN	2	30002	60002		
PERFORMC	3	30003	60003		
TASKCLAR	4	30004	60004		

	1	2	3	4	30001	30002	30003	30004
1	1.00000							
2	0.76159	1.00000						
3	0.03792	-0.00631	1.00000					
4	-0.01160	0.03042	-0.96197	1.00000				
30001	0.95864	0.81075	-0.00235	0.00529	1.00000			
30002	0.80918	0.96050	0.00343	0.01652	0.84409	1.00000		
30003	-0.04576	0.06677	0.04932	-0.01219	-0.04773	0.06952	1.00000	
30004	0.04816	0.15060	-0.00570	0.10537	0.05024	0.15679	-0.11566	1.00000
	1	2	3	4	30001	30002	30003	30004
60001	0.28462	-0.05489	0.14115	-0.05859	0.00000	0.00000	0.00000	0.00000
60002	-0.05614	0.27829	-0.03452	0.05227	0.00000	0.00000	0.00000	0.00000
60003	0.04022	-0.00962	0.99878	-0.96254	0.00000	0.00000	0.00000	0.00000
60004	-0.01677	0.01463	-0.96675	0.99443	0.00000	0.00000	0.00000	0.00000
	60001	60002	60003	60004				
60001	1.00000							
60002	-0.19725	1.00000						
60003	0.14133	-0.03456	1.00000					
60004	-0.05891	0.05256	-0.96793	1.00000				

TABLE D
POSITIONING OF DEVIATION SCORES

SCORE	POSITION
IDENTIFICATION VARIABLES	1 TO 6
TOTAL DEVIATION SCORES	7 TO 10
WITHIN-CELL DEVIATION SCORES	11 TO 14
BETWEEN-CELL DEVIATION SCORES	15 TO 18

NOTE FORMAT STATEMENT
 (1X, 7F11.5, 1 (/1X, 7F11.5) /1X, 4F11.5)

DEVIATION SCORES AS OUTPUT						
1.00000	1.00000	1.00000	1.00000	2.00000	1.00000	-5.20000
-6.85000	9.25000	-8.75000	-4.00000	-7.00000	-0.50000	-0.50000
-1.20000	0.15000	9.75000	-8.25000			
2.00000	1.00000	1.00000	1.00000	2.00000	1.00000	2.80000
7.15000	10.25000	-7.75000	4.00000	7.00000	0.50000	0.50000
-1.20000	0.15000	9.75000	-8.25000			
9.00000	7.00000	7.00000	2.00000	2.00000	5.00000	3.80000
3.15000	4.25000	-2.75000	4.00000	1.00000	0.50000	0.00000
-0.20000	2.15000	3.75000	-2.75000			
30.00000	7.00000	7.00000	2.00000	2.00000	5.00000	-4.20000
1.15000	3.25000	-2.75000	-4.00000	-1.00000	-0.50000	0.00000
-0.20000	2.15000	3.75000	-2.75000			
19.00000	9.00000	9.00000	4.00000	1.00000	10.00000	7.80000
3.15000	-20.75000	13.25000	6.50000	2.50000	-1.00000	0.00000
1.30000	0.65000	-19.75000	13.25000			
28.00000	9.00000	9.00000	4.00000	1.00000	10.00000	-5.20000
-1.85000	-18.75000	13.25000	-6.50000	-2.50000	1.00000	0.00000
1.30000	0.65000	-19.75000	13.25000			
35.00000	34.00000	4.00000	1.00000	2.00000	3.00000	6.80000
1.15000	13.25000	-5.75000	5.00000	1.00000	0.50000	0.00000
1.80000	0.15000	12.75000	-5.75000			
36.00000	34.00000	4.00000	1.00000	2.00000	3.00000	-3.20000
-0.85000	12.25000	-5.75000	-5.00000	-1.00000	-0.50000	0.00000
1.80000	0.15000	12.75000	-5.75000			
43.00000	35.00000	5.00000	3.00000	1.00000	8.00000	-1.20000
-5.85000	-2.75000	1.25000	-2.00000	-4.00000	0.00000	-1.00000
0.80000	-1.85000	-2.75000	2.25000			
44.00000	35.00000	5.00000	3.00000	1.00000	8.00000	2.80000
2.15000	-2.75000	3.25000	2.00000	4.00000	0.00000	1.00000
0.80000	-1.85000	-2.75000	2.25000			
3.00000	3.00000	3.00000	1.00000	2.00000	2.00000	-6.20000
-4.85000	16.25000	-6.75000	-6.50000	-5.00000	0.00000	0.00000
0.30000	0.15000	16.25000	-6.75000			
4.00000	3.00000	3.00000	1.00000	2.00000	2.00000	6.80000
5.15000	16.25000	-6.75000	6.50000	5.00000	0.00000	0.00000
0.30000	0.15000	16.25000	-6.75000			
11.00000	2.00000	2.00000	3.00000	1.00000	6.00000	0.80000
2.15000	-0.75000	-1.75000	3.50000	2.00000	0.00000	-1.00000
-2.70000	0.15000	-0.75000	-0.75000			
12.00000	2.00000	2.00000	3.00000	1.00000	6.00000	-6.20000
-1.85000	-0.75000	0.25000	-3.50000	-2.00000	0.00000	1.00000

-2.70000	0.15000	-0.75000	-0.75000			
29.00000	10.00000	10.00000	3.00000	1.00000	7.00000	5.80000
4.15000	-4.75000	0.25000	5.00000	4.00000	-1.00000	0.50000
0.80000	0.15000	-3.75000	-0.25000			
10.00000	10.00000	10.00000	3.00000	1.00000	7.00000	-4.20000
-3.85000	-2.75000	-0.75000	-5.00000	-4.00000	1.00000	-0.50000
0.80000	0.15000	-3.75000	-0.25000			
37.00000	36.00000	6.00000	2.00000	2.00000	4.00000	-3.20000
-4.85000	3.25000	-4.75000	-4.00000	-3.00000	-0.50000	-1.00000
0.80000	-1.85000	3.75000	-3.75000			
38.00000	36.00000	6.00000	2.00000	2.00000	4.00000	4.80000
1.15000	4.25000	-2.75000	4.00000	3.00000	0.50000	1.00000
0.80000	-1.85000	3.75000	-3.75000			
45.00000	38.00000	8.00000	4.00000	1.00000	9.00000	1.80000
4.15000	-18.75000	11.25000	3.50000	4.00000	0.50000	-1.50000
-1.70000	0.15000	-19.25000	12.75000			
47.00000	38.00000	8.00000	4.00000	1.00000	9.00000	-5.20000
-3.85000	-19.75000	14.25000	-3.50000	-4.00000	-0.50000	1.50000
-1.70000	0.15000	-19.25000	12.75000			
5.00000	4.00000	4.00000	1.00000	2.00000	3.00000	6.80000
1.15000	13.25000	-5.75000	5.00000	1.00000	0.50000	0.00000
1.80000	0.15000	12.75000	-5.75000			
6.00000	4.00000	4.00000	1.00000	2.00000	3.00000	-3.20000
-0.85000	12.25000	-5.75000	-5.00000	-1.00000	-0.50000	0.00000
1.80000	0.15000	12.75000	-5.75000			
13.00000	5.00000	5.00000	3.00000	1.00000	8.00000	-1.20000
-5.85000	-2.75000	1.25000	-2.00000	-4.00000	0.00000	-1.00000
0.80000	-1.85000	-2.75000	2.25000			
14.00000	5.00000	5.00000	3.00000	1.00000	8.00000	2.80000
2.15000	-2.75000	3.25000	2.00000	4.00000	0.00000	1.00000
0.80000	-1.85000	-2.75000	2.25000			
31.00000	31.00000	1.00000	1.00000	2.00000	1.00000	-5.20000
-6.85000	9.25000	-8.75000	-4.00000	-7.00000	-0.50000	-0.50000
-1.20000	0.15000	9.75000	-8.25000			
32.00000	31.00000	1.00000	1.00000	2.00000	1.00000	2.80000
7.15000	10.25000	-7.75000	4.00000	7.00000	0.50000	0.50000
-1.20000	0.15000	9.75000	-8.25000			
39.00000	37.00000	7.00000	2.00000	2.00000	5.00000	3.80000
3.15000	4.25000	-2.75000	4.00000	1.00000	0.50000	0.00000
-0.20000	2.15000	3.75000	-2.75000			
40.00000	37.00000	7.00000	2.00000	2.00000	5.00000	-4.20000
1.15000	3.25000	-2.75000	-4.00000	-1.00000	-0.50000	0.00000
-0.20000	2.15000	3.75000	-2.75000			
49.00000	39.00000	9.00000	4.00000	1.00000	10.00000	7.80000
3.15000	-20.75000	13.25000	6.50000	2.50000	-1.00000	0.00000
1.30000	0.65000	-19.75000	13.25000			
58.00000	39.00000	9.00000	4.00000	1.00000	10.00000	-5.20000
-1.85000	-18.75000	13.25000	-6.50000	-2.50000	1.00000	0.00000
1.30000	0.65000	-19.75000	13.25000			
7.00000	6.00000	6.00000	2.00000	2.00000	4.00000	-3.20000
-4.85000	3.25000	-4.75000	-4.00000	-3.00000	-0.50000	-1.00000
0.80000	-1.85000	3.75000	-3.75000			
8.00000	6.00000	6.00000	2.00000	2.00000	4.00000	4.80000
1.15000	4.25000	-2.75000	4.00000	3.00000	0.50000	1.00000
0.80000	-1.85000	3.75000	-3.75000			
15.00000	8.00000	8.00000	4.00000	1.00000	9.00000	1.80000
4.15000	-18.75000	11.25000	3.50000	4.00000	0.50000	-1.50000

-1.70000	0.15000	-19.25000	12.75000			
17.00000	8.00000	8.00000	4.00000	1.00000	9.00000	-5.20000
-3.85000	-19.75000	14.25000	-3.50000	-4.00000	-0.50000	1.50000
-1.70000	0.15000	-19.25000	12.75000			
33.00000	33.00000	3.00000	1.00000	2.00000	2.00000	-6.20000
-4.85000	16.25000	-6.75000	-6.50000	-5.00000	0.00000	0.00000
0.30000	0.15000	16.25000	-6.75000			
34.00000	33.00000	3.00000	1.00000	2.00000	2.00000	6.80000
5.15000	16.25000	-6.75000	6.50000	5.00000	0.00000	0.00000
0.30000	0.15000	16.25000	-6.75000			
41.00000	32.00000	2.00000	3.00000	1.00000	6.00000	0.80000
2.15000	-0.75000	-1.75000	3.50000	2.00000	0.00000	-1.00000
-2.70000	0.15000	-0.75000	-0.75000			
42.00000	32.00000	2.00000	3.00000	1.00000	6.00000	-6.20000
-1.85000	-0.75000	0.25000	-3.50000	-2.00000	0.00000	1.00000
-2.70000	0.15000	-0.75000	-0.75000			
59.00000	40.00000	10.00000	3.00000	1.00000	7.00000	5.80000
4.15000	-4.75000	0.25000	5.00000	4.00000	-1.00000	0.50000
0.80000	0.15000	-3.75000	-0.25000			
60.00000	40.00000	10.00000	3.00000	1.00000	7.00000	-4.20000
-3.85000	-2.75000	-0.75000	-5.00000	-4.00000	1.00000	-0.50000
0.80000	0.15000	-3.75000	-0.25000			