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($\alpha \leq .05$)

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.(3,18)

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(3,64)
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($\alpha \leq .05$)

($\alpha \leq .05$)

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Alma Ata 1978

(Bannerman and Others 1983)

(2002)

(%5.9) (2003)

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($\alpha \leq 0.05$)

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(Pilot Study)

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0.82		1
0.73		2
0.75		3
0.72		4
0.79		5
0.77		6
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(42)

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405

22-16 -3

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33-28 -5

42-34 -6

(5) : (Likert)
(2) (3) (4)
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(41 34 28 22 15 9)
(4) (3) (2) (1)
(5)

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(5 -3.5)
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(SPSS- PC +)

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(One (F-Test) (T. Test)
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Least Significant Differences

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(Al -Badynch & Sonnan,1993)

Miller

(&Monge,1986)

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(104)

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.(%60.5)

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.(3,21)

(3,64)

.(2,60)

(0.05 = α)

(0.05 = α)

(0.05 = α)

(Schnider and Suder, 1973)

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(Blalack and Davis,1975)

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(Gordon,Baired, and Baker,1982)

(1987)

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" : (Motaaz, 1988)

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(Pitman & Hamlin 1994)

63

%41

%6

%24

%8

%32

%6

%14

(Sommar & Merritt, 1994)
(Case Study)

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(%88)		(91)	(103)
	/	(70)	(7)
			(14)
			(2)
(70)	/		
(%15.4)	(14)		(%76.9)
	(%7.7)	(7)	
(46)			
	(%49.5)		(%50.5)

.(45)

(%47.3)
 (%40.7) (37)
 .(%4.4) (4)
 .(%84.6) (77)
 (2)

15.4	14		
7.7	7		
76.9	70	/	
50.5	46		
49.5	45		
4.4	4		
7.7	7		
40.7	37		
47.3	43		
15.4	14		
84.6	77		
81.3	74		
11	10		
7.7	7		
19.8	18	30	
50.5	46	40-30	
25.3	23	50-41	
4.4	4	- 51	
20.9	19	5	
20.9	19	10-5	
22	20	15-11	
20.9	19	20-16	
15.4	14	21	

(%81.3) (74)
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 (40-30)
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 (0.66) (3.64)

5-3.5

(3.22) (3.33) (0.73) (3.43)

(0.70) (0.65) (0.77) (3.10)

(1990) (0.78) (2.23)

(1983) (1993)

(3)

0.66	3.64		1
0.73	3.43		2
0.77	3.33		3
0.65	3.22		4
0.70	3,10		5
0.78	2.23		6
0.52	3.18		

(3.18)

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" .
" (1.19) (3.62)

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.3.58 3,19
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1.19	3.62		.2	.1
1.15	3.58		.4	2
1.21	3.55		.1	3
1.20	3.36		.5	4
1.25	3.27		.3	5
1.22	3.24		.7	6
1.22	3.22		.8	7
1.11	3.19		.6	8
1.20	2.90		.9	9

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(5)

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 3,49-2,50
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1.09	3.25		10	.2
1.18	3.25		13	2
1.14	3.20		11	3
1.17	3.15		14	4
1.26	2.95		12	5
1.18	2.78		15	6

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(6)

(1.03) (3.74) " " " "
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5-3,5 .(1.06) (3.66)
" " " "
(1.23) (2.93) " "
3,03 " " "
-2,50 " " 3,14
" " " " 3,49
(6)

1.03	3.74		.19	1
1.06	3.66		.18	2
1.17	3.14		.20	3
1.15	3.10		.16	4
1.17	3.03		.17	5
1.19	2.96		.22	6
1.23	2.93		.21	7

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(7)

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(1.12)

(3.78)

"

(3.11)

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(1.20)

.3.65 3.19

(7)

1.12	3.68	.	.23	1
.95	3.65	.	.27	2
1.09	3.54	.	.24	3
1.13	3.41	.	.26	4
1.20	3.19	.	.25	5
1.23	3.11	.	.28	6

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(8)

" " " "

(1.53) (1.29) (2.52)

(1.12) (2.00) "

2,21 2,02

(8)

1.29	2.52		32	.1
1.53	2.52		34	2
1.06	2.21		30	3
1.19	2.09		31	4
1.18	2.02		29	5
1.12	2.00		33	6

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(9)

(9)

.98	4.19		.40	.1
.87	4.08		.36	2
.98	3.97		.38	3
1.21	3.63		.35	4
1.18	3.41		.37	5
1.32	3.33		.41	6
1.37	2.91		.39	7

"

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(0.98)

(4.19)

5-3,5

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($\alpha \leq 0.05$)

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(3.49) (3.26) (3.17)

(3.66) (3.23)

(3.63) (3.22) (3.37) (3.18) (3.03)

(10)

()

	" "					
.88	.15	.81	3.31	46		
		.73	3.34	45		
.34	.95	.74	3.17	46		
		.65	3.03	45		
.54	.60	.61	3.26	46		
		.69	3.18	45		
.45	.75	.68	3.49	46		
		.78	3.37	45		
.93	.08	.83	2.23	46		
		.73	2.22	45		
.83	.21	.66	3.66	46		
		.67	3.63	45		
.62	.48	.54	3.21	46		
		.50	3.16	45		

.(3.31)

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($\alpha \leq 0.05$)



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.(3.82)

(4.02)

.(3.41)

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(2.34)

.(.49)

(3.25)

(11)

.46	.865	.80	3.19	.69	3.45	.96	3.44	.81	3.47	
.33	1.14	.73	2.98	.67	3.18	.69	3.17	.63	3.54	
.78	.357	.59	3.19	.66	3.23	.95	3.45	.83	3.11	
.13	1.92	.75	3.25	.63	3.58	.90	3.76	.84	3.42	
.38	1.03	.72	2.09	.88	2.34	.42	2.50	.78	2.08	
.36	1.07	.66	3.59	.62	3.60	.92	4.02	.65	3.89	
.26	1.35	.52	3.08	.49	3.25	.66	3.41	.53	3.82	

(11)

(3.89)

(3.82) (2.08)

(2.50) (4.02)

(3.41)

(3.60)

(2.34)

(3.25)

(2.09) (3.59)

(3.08)

(.05) (11)

($\alpha \leq 0$)

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(3.41)

(3.14)

($\alpha \leq 0.05$)

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	" "					
339	.69	.69	3.51	14		
		.87	3.29	77		
.341	.95	.68	3.26	14		
		.70	3.07	77		
109	1.62	.57	3.48	14		
		.66	3.18	77		
.645	.46	.73	3.51	14		
		.73	3.41	77		
.012	2.57	.70	2.70	14		
		.76	2.14	77		
.171	1.38	.45	3.87	14		
		.69	3.60	77		
.75	1.8	.42	3.41	14		
		.53	3.14	77		

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(13)

($\alpha \leq 0.05$)

(3.73)

(1.95) (2.12) (2.27)
(3.53) (3.19)

(2.92)

(13)

.27	1.3	.97	2.94	.68	3.54	.76	3.33	
.15	1.9	.62	2.86	.73	3.47	.69	3.07	
.06	2.7	.68	2.71	.54	3.43	.64	3.24	
.37	.98	.90	3.43	.73	3.73	.71	3.39	
.53	.62	.57	1.95	.66	2.12	.81	2.27	
.89	.11	.89	3.53	.67	3.63	.65	3.66	
.24	1.4	.60	2.92	.42	3.53	.52	3.19	

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(14)

(05 $\alpha \leq 0$)

(0.04) (2.8) ()
 -30) (30)

(50-41) (40

.(51) (3.50)

(2.12) (40-30) (2.68) (30)

.(2.33) (51) (2.07) (50-41)

(14)

		-51		50-41		40-30		30		
.84	.28	.60	3.22	.84	3.27	.80	3.31	.65	3.47	
.80	.32	.69	3.38	.61	3.13	.71	3.04	.81	3.13	
.52	.75	.80	3.21	.73	3.18	.62	3.16	.59	3.43	
.81	.31	.43	3.50	.69	3.51	.75	3.36	.81	3.49	
0.04	2.8	.56	2.33	.70	2.07	.79	2.12	.77	2.68	
.43	.91	.82	3.11	.49	3.68	.68	3.66	.79	3.67	
.60	.62	.45	3.13	.52	3.16	.52	3.14	.55	3.33	

(15)

.($\alpha \leq 0.05$) . (40-30) (30)
 (2.68) (30)
 (40-30) (2.12)
 (30)

.(40-30)

(15)

-51	50-41	40-30	30	2.68	30
			*.56	2.12	40-30
		.05	.61	2.07	50-41
	027-	.21-	.34 .	2.33	-51

($\alpha \leq 0.05$) *

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(16)

(21) (15-11) (20-16) (10-5) (5)

(15-11) (3.30) (10-5) (3.39) (5)

(21) (3.93) (20-16) (2.93)
 .(3.20)

(16)

		21		20-16		15-11		10-5		5		
.13	1.7	.79	3.33	.89	2.95	.89	3.36	.64	3.43	.51	3.57	
.10	2	.68	3.08	.61	2.89	.73	3.01	.74	3.47	.66	3.04	
.08	2	.53	3.38	.73	2.91	.66	3.13	.74	3.31	.42	3.44	
.4	.9	.60	3.52	.70	3.20	.81	3.47	.82	3.36	.67	3.63	
.007	3.7	.88	2.07	.73	2.01	.67	1.79	.65	2.29	.77	2.76	
.53	.7	.53	3.68	.64	3.50	.77	3.51	.66	3.79	.65	3.75	
.55	2.4	.43	3.20	.58	3.93	.58	2.93	.52	3.30	.4	3.39	

(16)

($\alpha \leq 0.05$)

.(0.007) (3.7) ()

(0.55) (2.4)

.(1999)

($\alpha \leq 0.05$)

LSD

(5) . (17)

5) (20-16) (5) (15-10)

(2.76) (5 (

2.01 1.97 (20-16) (15-10)

(17)

21	20-16	15-11	10-5	5			
					2.76	5	
				.47	2.29	10-5	
			.32	*.80	1.97	15-11	
		-.04	.28	*.75	2.01	20-16	
	-.06	-.10	.22	.69	2.07	21	

($\alpha \leq 0.05$) *

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.(.52) (3.18)

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(40-30) (2.12) (2.68)

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