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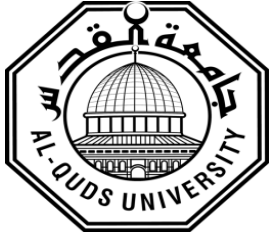
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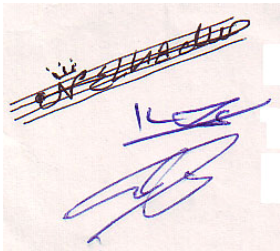
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" سورة البقرة - الآية 126 "

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(LSD) .(one way ANOVA) .(t-test) ()
(Pearson Correlation)

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Psychological Hardiness and its relationship to Life Stress of workers in the security establishment in Hebron and Bethlehem Districts

Prepared by: Issam Awni Issa

supervision of Dr. Nabil Abdul Hadi.

Abstract:

This study aimed to identify the relationship of psychological hardiness and life stress of workers in the security establishment in Hebron and Bethlehem districts, and to identify the degree of psychological hardiness and life stress if there were differences in the average hardiness and life stress of life due to the variables (district, years of experience, social status, the qualification, age, rank, place of residence and income level. The study sample consisted of (242) male and female workers in the Palestinian security services in Hebron and Bethlehem districts selected according to the stratified random sample depending on the layers of the system and the province. The sample constitutes a sample rate of (10%) of the study. The researcher used measures of psychological hardiness and life stress. The validity of the instruments was verified by a number of arbitrators. The reliability of the instruments was calculated with its various dimensions in a manner equitation by the internal consistency "Cronbach Alpha". It shows that the two instruments have a high degree of reliability. The data were processed statistically by calculating the averages, standard deviations, test (t-test), the analysis of variance (one - way ANOVA), the test (LSD) and the Pearson correlation.

The results showed that the degree of psychological hardiness was very high and showed that the commitment factor came first, then the challenge dimension and the control factor was in the end, and all dimensions were very high, too. It also showed that there are no differences in the average of psychological hardiness depending on the variables (province, years of experience, marital status, educational qualification, age, military rank, and place of residence on the overall degree of hardness, however, it showed differences in (the challenge) dimension depending on the social situation variable in favor of the respondents whose social status is (single). It also showed differences in the (commitment) dimension depending on the qualification variable in favor of the respondents who have qualifications (bachelor degree or higher), as well as the existence of differences in degrees of psychological hardiness depending on the variable of income level to the overall degree of psychological hardiness and just the commitment in favor of the respondents whose income level is between (2000 and 4000) NIS, and

more than(4000) NIS.The degree of life stress was low, and the degree of (economic pressure) came first moderately while the social pressure dimension was very low and in the end. It also showed that there were no significant differences in the averages of life stress depending on the variables province, years of experience, marital status, educational qualification, age, military rank, place of residence, while showing the existence of differences in pressure health dimension depending on the province variable in favor of respondents working in Hebron, and the existence of differences in the (economic pressure) variable depending on the variable of qualification for the (secondary or below), and the existence of differences in the (personal pressure) dimension depending on the military rank variable in favor of (a soldier - first assistant). As well as the existence of differences in life stress regarding the variable of income level on the overall degree of the pressures and the other dimensions in favour of the respondents whose income level is (less than 2000 NIS). There is no relationship between the psychological hardiness and life stress.

Based on these results, the researcher recommends that the care of the security and military organization by creating a psychological counseling section to direct, supervise, guide and treat all officials in the security department, and designing guidance programmes to increase the awareness of psychological hardiness and the affecting factors for security personnel department, and preparing courses and programs aiming at the development of the skills of workers in the security and military establishment in the management of psychological stress and how to meet the stressful events and overcome them.

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Hardiness psychological :
(kobasa,1979)

" kobasa

:(Commitment)

: (Control)

:(Challenge)

.(2011)

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:Life stresses :

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:(Psychological Stress)

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 2007/10/29 (2005)
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(298) 2005/17 (1) 2006 9 8 2005

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(17)

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.(kobasa , 1982)

.(2010)

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(1977)

.(kobasa , 1982)

(kobasa ,1979,1982 kobasa et al,1982 puccetti,pies,1976)

(Frankel)

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.(2011)

(Existential Theory)

(Maddi "

(Vector) (frankel)

(Allport)

(Rolle may)

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.(2007

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.(Kobasa,1979)

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(Carver) Scheier &

.(2002)

:(2002)

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() (1996)
(Challenge) (Control) (Commitment)

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.(2012)

(Folkman & Lazarous, 1986)

.(2012) .

(1979)

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(1983)

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:(commitment)

:(control) .

:(challenge)

.(2011)

.(2007)

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(kobasa ,1979)

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:(Contrada, 1989)

(1989)

(Allerd and Smith)

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(
.(Scheier, and Carver, 1989)

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.(Sol cava and tomanek,1994)

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(LaGreca, 1985)

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(Bigbee, 1992)

.(2006)

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:(commitment)

.(Cotton,1990)

.(Folkman, 1984)

:(control)

.(1997)

:(challenge)

.(2009) .

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:(Kobasa, 1982)

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.(kobasa & pucetti,1983)

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(Stress – Resistance)

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: (kobasa , 1982)

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(1983 1982 1979)

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.(kobasa, 1983)

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(ganellen & blarney,1984)

.(2012)

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(2009)

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(Burnout)

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(Physiological Effects) :

(Psychological :

(Taylor, 1986)

(Social Effects) :

Lazarus,) : (Behavior Effects) :

(1966)

() (2000)

(Cognitive Effects) :

.(2009)

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.(1982)

Ego-Strength :

.(1982)

" (1993)

Self-Efficacy :

(1989)

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:Expecting self-efficacy .1

:Back self- efficacy .2
(2007)

:Self-Esteem

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(2004) .

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: (Kobasa, 1983)

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(Mtteson, Ivancevich, 1987)

(Lazarus, 1961)

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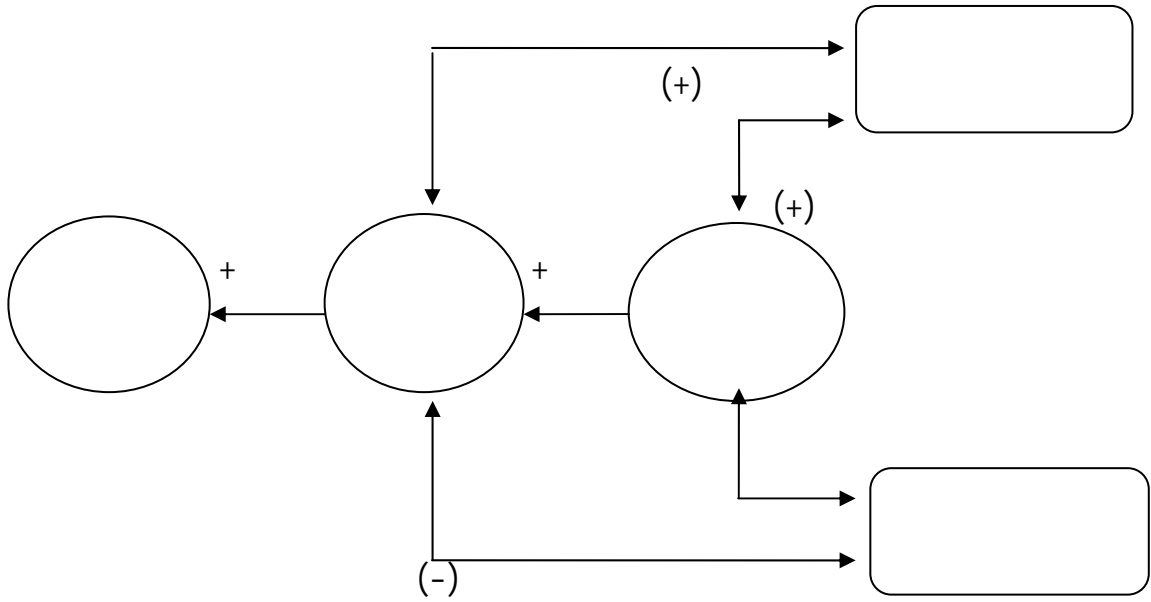
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(32-56)

.(2012)

Kobasa, & Poccetti)

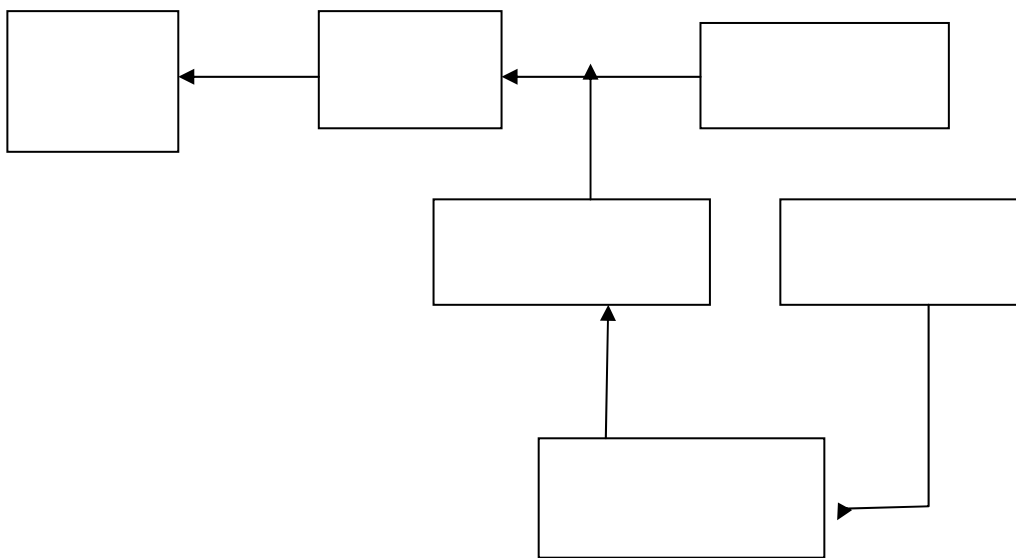
.(1983



(Kobasa & Maddi, 1982)

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(Kobasa & Puccetti, 1983)

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(Kobasa, Puccetti, 1983,)

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(Funk, 1992)

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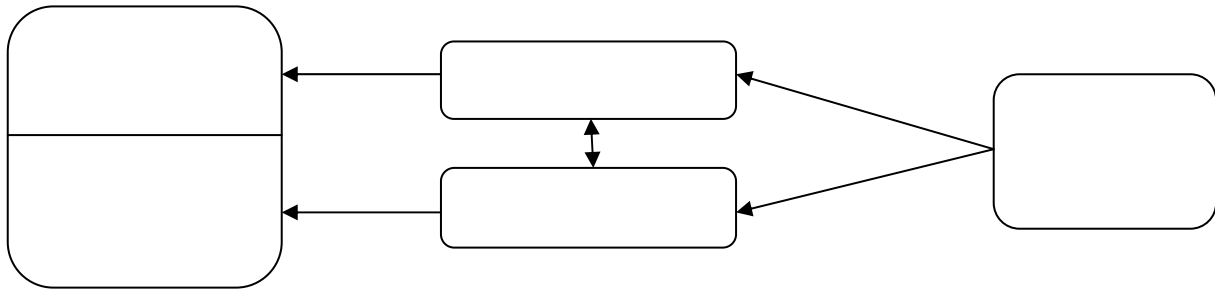
.

(1995)

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(Floriarn, Mikulince .

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Taubman, 1995)

:(Hans selye)

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(Stringere)

(Stress)

(Stress)

.(2006) (distress)

(Lazarus, 1966)

.(2005)

(Selye)

(1956)

(Stress)

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(Selye)

.(Selye, 1979)

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"(Cannon) " :

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(Johnson& Sarason, 1989)

Kobasa &)

(pussetti, 1983

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(Rese,1976)" "

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Jennings, 1984,)

. (Garmezy & Rutter, 1983

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.(2005 Little)

(2008)

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:(Hans Selye)

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(Alaram reaction)

(Genaeral Adaptation Syndrome)

(Resistance)

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:(Syndrome) *

:(Adaptation) *

:(General) *

(2007 ,)

(1956) ()

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(ACTH)

.(2011)

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(Stressor)

.(2011) (Stress)

Syndrome of Just being sick

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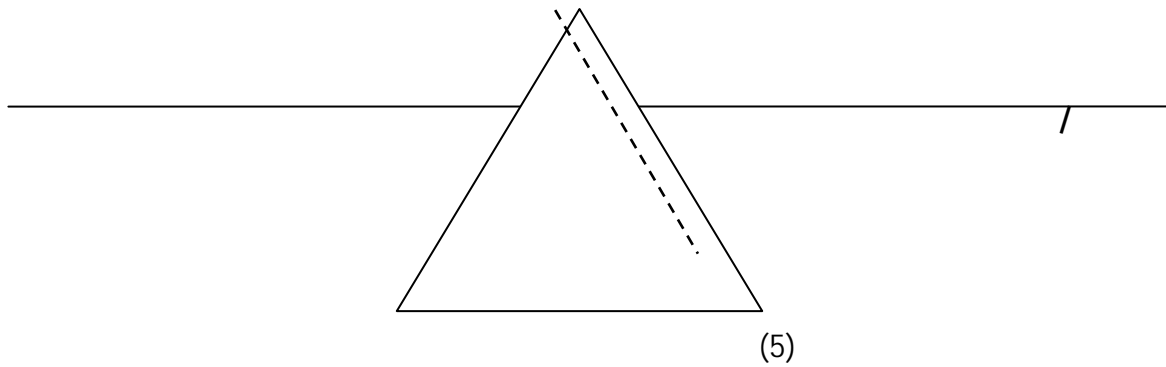
(General Adaptation Syndrome)

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(Allen,R.G.1983,P.10)

(4)



: (5)
The Alarm Stage : :

(Rooks, &Stein, 1988)

The Resistance Stage : :

AGA

The Exhaustion Stage : :

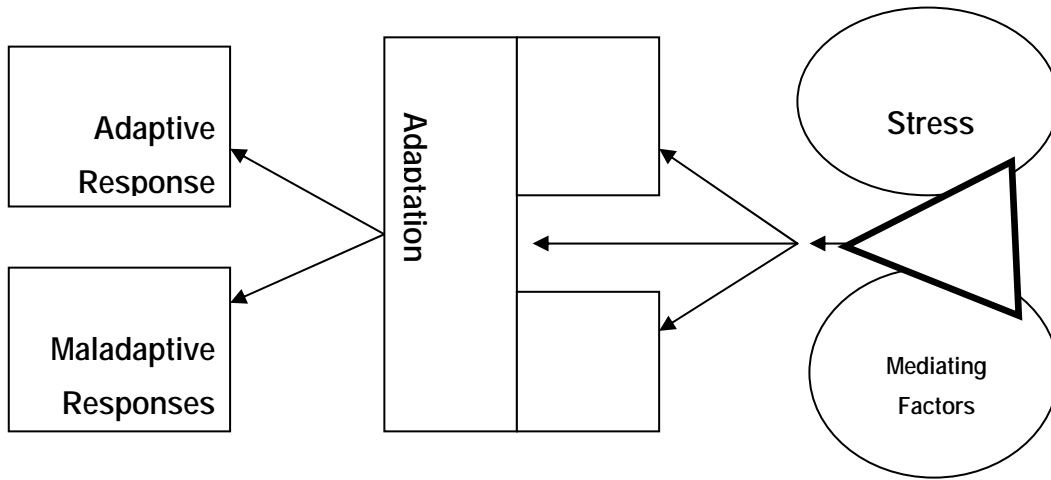
.Disease of adaptation

" " ()

Stress related

"

(Allen, 1983) diseases



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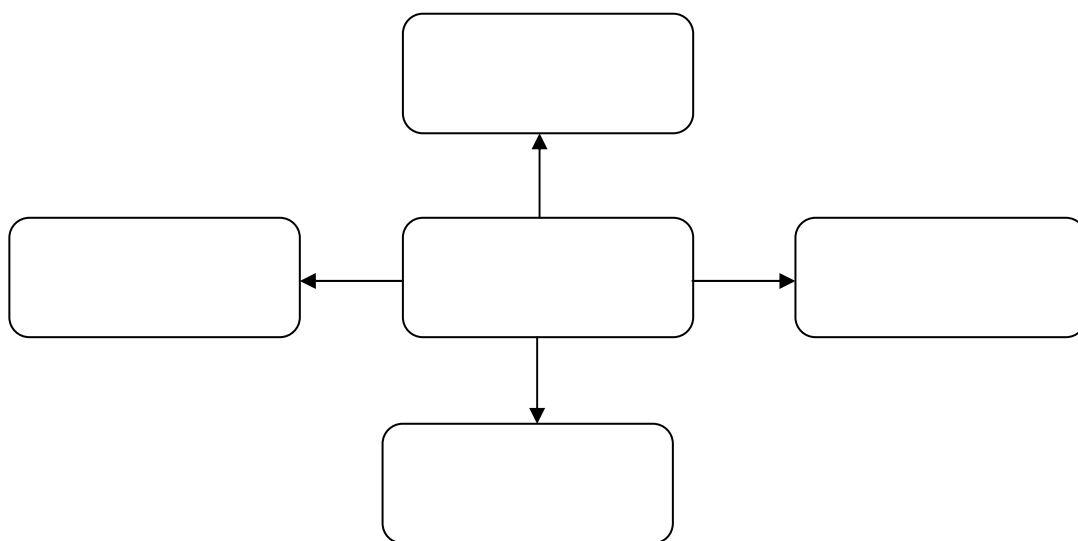
(Kelly, jshaver, et al, 1993)

Eustress

Distress ()

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(1980)



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" (1998)

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(Lazarus & Folkman)

(1984)

(Lazarus)

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:(Lazarus)

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:(Cannon)

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(Cannon)

(Mason,1991)

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(Ellis)

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(Beck)

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(Holmes) (Rahe) :

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(28)

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(406)

(30%)

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(2011-2010)

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(105)

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((71.14

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(100)

(361)

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(549)

(2005) (1997)

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:(2006)

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(683)

(1948)

(2005)

(105)

(578)

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one way ANOVA

T-test

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(%74.5)

(%71.6)

(%77.8)

(%81.2)

(%73.0)

%67.9

%71.2

%78.5

:) (%74.9)

(%74.1

(9-5)

:(2006)

" :

"

(%4)

(541)

:(2002)

(248)

(:)

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:(2002)

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(161)

(321)

(23-24)

(160)

(7-14)

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(1983)

(1994)

(1988)

:(1997)

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(75)

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(24-19)

(96)

" "

(Porter, 1998)

(- -)

:(Clark&Hartman, 1996)

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59

(33-84)

53

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%68

14.9

:(Clark Daived, 1995)

(283)

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:(Collins, 1992)

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(223)

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:(Allerd & Smith , 1989)

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(48)

(Rhodewalt & Zone, 1989)

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:(Asbell, 1989)

(181)

Hopkins

:(Hull ,et al , 1987)

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(1004)

:(Ganellen & Blaney, 1984)

(83)

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(bpl)

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(1967)

:(Kobasa et al , 1982)

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(259)

32-65

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(297)

(2013-2012)

(1208)

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22%

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52%

:(2012)

(160)

(2011)

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(- - -)

(186)

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:(2010)

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(400)

:(2009)

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(116)

(166)

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0.05

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(

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:(2009)

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(400)

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SPSS

(71.33%)

(79%)

.(69%)

:(2009)

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(305)

(2008-2007)

(15%)

(4.05)

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.(-) /

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(2007)

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(249)

(634)

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" "

:(2007)

156 %20

()

30

0.83

0.85

2007

:(2007)

(110)

.(2004/2003)

(22)

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(746)

(7%)

74%

(550)

5.2%

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(05 .0>)

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(05 .0>a)

:(2005)

(40)

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416

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42.37

55 25

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(2004)

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(370)

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(2004)

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(2004)

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(130)

(32)

(2004)

(52)) ((150)

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(100 – 100)

:

(2000)

(7% 52)

:(2004)

%82.20	38	%83.10
%80		%69.50 20
%82.20		%69.50
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:(2003)

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(
(139) (225)
(%61.8) "SPSS"
.1 :
(%58.7)
.2 .
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:(McCarthy , etal, 2006)

(38)

:(Cozzi, 1991)

(227)

(30-18)

(100)

(127)

75

:(Punamaki, 1986)

(174)

(35)

:(Tanycol, 1988)

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(43)

:(Hanson&Benny, 1992)

(181)

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:(Lengua, 2000)

(18.8)

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(14)

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1.3

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1.3

2.3

(2625)

.(1.3)

:1.3

1499	505	994	
550	200	350	
410	200	210	
166	80	86	
2625	985	1640	

3.3

(263)

(%10)

(3)

(242)

(239)

(2.3)

.2.3

239	60.7	145		
	39.3	94		
239	18.4	44	7	
	38.1	91	15 - 7	
	43.5	104	15	
239	15.9	38	/	
	84.1	201		
239	44.4	106		
	16.3	39		
	39.3	94		
239	23.0	55	30	
	65.3	156	45 - 30	
	11.7	28	45	
239	51.0	122	-	
	37.2	89	-	
	11.7	28	-	
	29.3	70		
	53.1	127		
	17.6	42		
	19.2	46	2000	
	68.6	164	4000 - 2000	
	12.1	29	4000	

3.4

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1.4.3

(13) (38) (2011)

12) (26 -14) (13) (13 - 1)

3 /) (38 -27) (

(/) (/) (

25 20 19 18 13 8 7)

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(38 35

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1.1.5.3

(15)

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(3.3)

(Pearson correlation)

3.3

0.000	0.549**	1	0.000	0.463**	1	0.000	0.355**	1
0.000	0.587**	2	0.000	0.299**	2	0.000	0.328**	2
0.000	0.619**	3	0.000	0.349**	3	0.000	0.596**	3
0.000	0.554**	4	0.000	0.366**	4	0.000	0.475**	4
0.000	0.464**	5	0.001	0.220**	5	0.000	0.488**	5
0.000	0.629**	6	0.000	0.232**	6	0.000	0.507**	6
0.000	0.601**	7	0.000	0.444**	7	0.000	0.400**	7
0.025	0.145*	8	0.000	0.366**	8	0.000	0.457**	8
0.000	0.466**	9	0.000	0.348**	9	0.000	0.537**	9
0.000	0.546**	10	0.000	0.391**	10	0.000	0.540**	10
0.000	0.633**	11	0.000	0.496**	11	0.000	0.647**	11
0.000	0.600**	12	0.000	0.437**	12	0.000	0.676**	12
			0.000	0.537**	13	0.000	0.544**	13

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2.1.5.3

:(Consistency)

(5.3) .(Cronbach Alpha) ()

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(4.3)

0.74	13		1
0.73	13		2
0.772	12		3
0.80	38		

(0.74)

(4.3)

(0.77)

(0.73)

(0.80)

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2.4.3

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(70)

.(2008)

:(5.3)

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(50)

.3.5

10		1
10		2
10		3
10		4
10		5
50		

: 1.2.4.3

(50)

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: 2.2.4.3

(15)

(6.3)

(Pearson correlation)

6.3

0.000	0.722**	1	0.000	0.556**	1	0.000	0.525**	1
0.000	0.741**	2	0.000	0.528**	2	0.000	0.489**	2
0.000	0.609**	3	0.000	0.545**	3	0.000	0.627**	3
0.000	0.724**	4	0.000	0.662**	4	0.000	0.699**	4
0.000	0.737**	5	0.000	0.583**	5	0.000	0.664**	5
0.000	0.726**	6	0.000	0.724**	6	0.000	0.689**	6
0.000	0.714**	7	0.000	0.648**	7	0.000	0.712**	7
0.000	0.698**	8	0.000	0.480**	8	0.000	0.262**	8
0.000	0.600**	9	0.000	0.594**	9	0.000	0.598**	9
0.000	0.589**	10	0.000	0.627**	10	0.000	0.540**	10
			0.000	0.591**	1	0.000	0.477**	1
			0.000	0.725**	2	0.000	0.522**	2
			0.000	0.721**	3	0.000	0.518**	3
			0.000	0.682**	4	0.000	0.577**	4
			0.000	0.644**	5	0.000	0.538**	5
			0.000	0.654**	6	0.000	0.584**	6
			0.000	0.696**	7	0.000	0.522**	7
			0.000	0.639**	8	0.000	0.682**	8
			0.000	0.744**	9	0.000	0.642**	9
			0.000	0.643**	10	0.000	0.470**	10

:(Consistency)

(7.3) .(Cronbach Alpha) ()

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(7.3)

0.78	10		1
0.79	10		2
0.87	10		3
0.74	10		4
0.86	10		5
0.92	50		

(0.78)

(7.3)

(0.79)

(0.74)

(0.87)

(0.86)

(0.92)

5.3

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(2014-2013)

(35 - 25)

(SPSS)

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1.4

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2.4

1.4

	0.29	2.57	239		1
	0.24	2.35	239		2
	0.31	2.44	239		3
	0.21	2.46	239		

(1.4)

() .(0.21) (2.46)

() (0.29) (2.57)
 (0.31) (2.44)
 (2.35) ()
 .(0.24)

: 1.4.2

$(\alpha \leq 0.05)$

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: (8-1)

: .1.2.1.4

$(\alpha \leq 0.05)$

(t-test)

.(4.2)

(t-test)

:.2.4

0.973	237	-0.034	0.29	2.57	145		
			0.29	2.58	94		
0.602	237	0.523	50.2	2.36	145		
			40.2	2.34	94		
0.579	237	-0.556	0.30	2.43	145		
			0.33	2.45	94		
0.930	237	-0.088	0.21	2.45	145		
			0.21	2.46	94		

(2.4)

(45.2)

(-088.0)

()

(46.2)

(930.0)

: .2.1.4.2

($\alpha \leq 0.05$)

.(3.4)

:3.4

0.31	2.54	44	7	
0.27	2.58	91	15 – 7	
0.30	2.58	104	15	
0.22	2.33	44	7	
0.26	2.35	91	15 – 7	
0.24	2.36	104	15	
0.32	2.45	44	7	
0.30	2.45	91	15 – 7	
0.31	2.42	104	15	
0.21	2.44	44	7	
0.21	2.46	91	15 – 7	
0.21	2.46	104	15	

(3.4)

.(4.4)

(One Way Analysis of Variance)

:4.4

0.735	0.309	0.025	2	0.051		
		0.083	236	19.626		
			238	19.678		
0.763	0.271	0.016	2	0.032		
		0.059	236	14.031		
			238	14.063		
0.789	0.237	0.022	2	0.045		
		0.096	236	22.852		
			238	22.898		
0.859	0.152	0.067	2	0.013		
		0.044	236	10.397		
			238	10.410		

$(0.05 \geq \alpha)$

(4.4)

()

(0.859)

(0.152)

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.2.1.4.3

$(0.05 \geq \alpha)$

(t-test)

.(5.4)

(t-test)

:.5.4

0.546	237	-0.605	0.31	2.55	38		
			0.29	2.58	201		
0.939	237	0.077	0.20	2.35	38		
			0.25	2.35	201		
*0.032	237	2.152	0.26	2.54	38		
			0.32	2.42	201		
0.420	237	0.807	0.16	2.48	38		
			0.22	2.45	201		

.($\alpha \leq 0.05$)

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(5.4)

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(0.420)

(0.807)

()

(2.48) (

(2.45)

()

(5.4)

(/)

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.4.2.1.4

($\alpha \leq 0.05$)

.(6.4)

:6.4

0.29	2.54	106		
0.35	2.51	39		
0.24	2.64	94		
0.25	2.35	106		
0.27	2.38	39		
0.23	2.35	94		
0.33	2.43	106		
0.31	2.43	39		
0.29	2.45	94		
0.21	2.44	106		
0.25	2.44	39		
0.19\	2.48	94		

(6.4)

.(7.4)

(One Way Analysis of Variance)

:7.4

0.017*	4.119	0.332	2	0.664		
		0.080	236	19.014		
			238	19.678		
0.777	0.252	0.015	2	0.030		
		0.059	236	14.033		
			238	14.063		
0.890	0.116	0.011	2	0.022		
		0.096	236	22.875		
			238	22.898		
0.379	0.975	0.042	2	0.085		
		0.043	236	10.325		
			238	10.410		

.($\alpha \leq 0.05$)

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($\alpha \leq 0.05$)

(7.4)

(0.975)

()

()

(0.379)

(LSD)

.(8.4)

(LSD)

:8.4

-0.0999*	0.0243			
-0.1243*				

(8.4)

()

) () ()

: .4.5.2.1

($\alpha \geq 0.05$)

.(9.4)

:9.4

0.29	2.53	55	30	
0.29	2.57	156	45 – 30	
0.27	2.67	28	45	
0.26	2.32	55	30	
0.23	2.35	156	45 – 30	
0.27	2.41	28	45	
0.33	2.44	55	30	
0.31	2.44	156	45 – 30	
0.29	2.44	28	45	
0.22	2.43	55	30	
0.21	2.46	156	45 – 30	
0.20	2.50	28	45	

(9.4)

(10.4)

(One Way Analysis of Variance)

:10.4

0.091	2.417	0.197	2	0.395		
		0.081	236	19.283		
			238	19.678		
0.297	1.220	0.071	2	0.144		
		0.058	236	13.919		
			238	14.063		
0.989	0.011	0.010	2	0.020		
		0.097	236	22.896		
			238	22.898		
0.308	1.184	0.051	2	0.103		
		0.043	236	10.307		
			238	10.410		

$(0.05 \geq \alpha)$

(10.4)

()

(0.308)

(1.184)

:

.6.2.1.4

$(\alpha \geq 0.05)$

.(11.4)

:11.4

0.30	2.54	122	-		
0.27	2.60	89	-		
0.28	2.66	28	-		
0.25	2.34	122	-		
0.23	2.36	89	-		
0.25	2.37	28	-		
0.31	2.44	122	-		
0.32	2.42	89	-		
0.26	2.51	28	-		
0.21	2.44	122	-		
0.20	2.46	89	-		
0.22	2.51	28	-		

(11.4)

.(12.4)

(One Way Analysis of Variance)

:12.4

0.076	2.604	0.212	2	0.425		
		0.081	236	19.253		
			238	19.678		
0.799	0.225	0.013	2	0.026		
		0.059	236	14.036		
			238	14.063		

0.402	0.916	0.088	2	0.176		
		0.096	236	22.721		
			238	22.898		
0.231	1.475	0.064	2	0.129		
		0.043	236	10.282		
			238	10.410		

$(0.05 \geq \alpha)$

(12.4)

()

(0.231)

(1.475)

.

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.2.1.4.7

$(0.05 \geq \alpha)$

.

.(13.4)

:13.4

0.26	2.57	70		
0.30	2.58	127		
0.30	2.56	42		
0.26	2.33	70		
0.24	2.35	127		
0.22	2.37	42		

0.32	2.43	70		
0.31	2.44	127		
0.29	2.45	42		
0.20	2.45	70		
0.22	2.46	127		
0.20	2.46	42		

(13.4)

.(14.4)

(One Way Analysis of Variance)

:14.4

0.908	0.096	0.080	2	0.016		
		0.083	236	19.662		
			238	19.678		
0.682	0.384	0.022	2	0.045		
		0.059	236	14.017		
			238	14.063		
0.921	0.083	0.080	2	0.016		
		0.096	236	22.882		
			238	22.898		
0.887	0.120	0.052	2	0.010		
		0.044	236	10.400		
			238	10.410		

$(0.05 \geq \alpha)$

(14.4)

()

(0.887)

(0.120)

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.2.1.4.8

($0.05 \geq \alpha$)

.(15.4)

:15.4

0.29	2.45	46	2000	
0.28	2.60	164	4000 – 2000	
0.29	2.60	29	4000	
0.27	2.30	46	2000	
0.23	2.37	164	4000 – 2000	
0.26	2.33	29	4000	
0.33	2.38	46	2000	
0.31	2.44	164	4000 – 2000	
0.22	2.52	29	4000	
0.23	2.38	46	2000	
0.20	2.47	164	4000 – 2000	
0.21	2.48	29	4000	

(15.4)

.(16.4)

(One Way Analysis of Variance)

:16.4

0.006**	5.256	0.420	2	0.839		
		0.079	236	18.838		
			238	19.678		
0.210	1.572	.0920	2	0.185		
		0.058	236	13.878		
			238	14.063		
0.157	1.868	.178	2	.357		
		0.095	236	22.541		
			238	22.898		
0.018*	4.103	0.175	2	0.350		
		0.042	236	10.060		
			238	10.410		

. ($\alpha \leq 0.05$)

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. ($\alpha \leq 0.05$)

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($0.05 \geq \alpha$)

(16.4)

(0.018)

(4.103)

()

()

(LSD)

.(17.4)

(LSD)

:17.4

4000	4000 - 2000	2000		
-0.1463*	-0.1510*		2000	
0.0465			4000 - 2000	
			4000	
-0.1074*	-0.0945*		2000	
-0.0128			4000 - 2000	
			4000	

(17.4)

()

(2000)

(4000 4000 - 2000)

(4000 4000 - 2000)

: .1.4.3

)

1-5)

(

(0.80 = 5/4)

4

(4=

()

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:(18.4)

	1.80 - 1	1
	2.60 - 1.80	2
	3.40 - 2.60	3
	4.20 - 3.40	4
	5 - 4.20	5

.(19.4)

4.19

	0.77	3.23	239		1
	0.79	2.71	239		2
	0.69	1.67	239		3
	0.75	2.73	239		4
	0.89	2.52	239		5
	0.57	2.57	239		

(4.18)

) .(57.0) (2.57) (

(0.77) (3.23)

(2.73) ()

() (0.75)

) .(0.79) (2.71)

.(0.89) (2.52) (

()

.(0.69) (1.67)

: 1.4.4

$(\alpha \leq 0.05)$

)

(

: (8-1)

$(\alpha \leq 0.05)$

(t-test)

.(20.4)

(t-test)

:.20.4

0.173	237	-1.366	0.74	3.18	145		
			0.70	3.31	94		
0.059	237	1.897	0.77	2.79	145		
			0.81	2.59	94		
0.822	237	-0.225	0.61	1.67	145		
			0.81	1.69	94		
0.020*	237	2.344	0.70	2.82	145		
			0.80	2.59	94		
0.120	237	1.559	0.85	2.59	145		
			0.934	2.41	94		
0.224	237	1.219	0.53	2.61	145		
			0.62	2.52	94		

.(0.05 \geq α)

(20.4)

(2.82)

()

(2.59)

(0.020)

(2.344)

(2.61)

(1.219) () (2.52)

(0.224)

: .2.4.1.4

($0.05 \geq \alpha$)

.(21.4)

:21.4

0.73	3.06	44	7	
0.71	3.29	91	15 - 7	
0.73	3.25	104	15	
0.79	2.73	44	7	
0.81	2.82	91	15 - 7	
0.76	2.61	104	15	
0.73	1.80	44	7	
0.72	1.71	91	15 - 7	
0.64	1.59	104	15	
0.78	2.75	44	7	
0.73	2.75	91	15 - 7	
0.75	2.71	104	15	
0.92	2.50	44	7	
0.93	2.62	91	15 - 7	
0.84	2.44	104	15	
0.62	2.57	44	7	
0.56	2.64	91	15 - 7	
0.55	2.52	104	15	

(21.4)

(22.4)

(One Way Analysis of Variance)

:22.4

0.198	1.629	0.858	2	1.716		
		0.527	236	124.333		
			238	126.049		
0.198	1.630	1.006	2	2.012		
		0.617	236	145.659		
			238	147.672		
0.179	1.734	0.826	2	1.651		
		0.476	236	112.353		
			238	114.004		
0.929	0.074	0.041	2	0.082		
		0.560	236	132.063		
			238	132.145		
0.380	0.972	0.770	2	1.540		
		0.792	236	186.987		
			238	188.527		
0.356	1.037	0.333	2	0.666		
		0.321	236	75.764		
			238	76.430		

$(0.05 \geq \alpha)$

(22.4)

(1.037)

()

(0.356)

.3.4.1.4

$$(0.05 \geq \alpha)$$

(t-test)

.(23.4)

(t-test)

:23.4.

0.063	237	-1.871	0.78	3.03	38		
			0.71	3.27	201		
0.668	237	-0.429	0.70	2.66	38		
			0.80	2.72	201		
0.429	237	0.792	0.75	1.76	38		
			0.68	1.66	201		
0.361	237	0.916	0.65	2.83	38		
			0.76	2.71	201		
0.589	237	-0.541	0.78	2.45	38		
			0.91	2.54	201		
0.740	237	-0.332	0.52	2.55	38		
			0.58	2.58	201		

(23.4)

(/)

(58.2) ()

(55.2)

(0.740)

(-332.0)

()

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$$(0.05 \geq \alpha)$$

.(24.4)

:24.4

0.69	3.41	106		
0.81	3.22	39		
0.69	3.04	94		
0.83	2.70	106		
0.88	2.72	39		
0.71	2.71	94		
0.64	1.61	106		
0.81	1.75	39		
0.70	1.72	94		
0.74	2.79	106		
0.70	2.82	39		
0.76	2.64	94		
0.85	2.60	106		
0.98	2.68	39		
0.86	2.37	94		
0.55	2.62	106		
0.64	2.64	39		
0.55	2.49	94		

(23.4)

.(25.4)

(One Way Analysis of Variance)

:25.4

0.001**	7.077	3.566	2	7.132		
		0.504	236	118.917		
			238	126.049		
0.990	0.010	0.059	2	.0110		
		0.626	236	147.660		
			238	147.672		
0.400	0.920	0.441	2	0.882		
		0.479	236	113.122		
			238	114.004		
0.266	1.333	0.738	2	1.476		
		0.554	236	130.669		
			238	132.145		
0.094	2.393	1.874	2	3.747		
		0.783	236	184.780		
			238	188.527		
0.216	1.543	0.493	2	.986		
		0.320	236	75.443		
			238	76.430		

$(\alpha \leq 0.05)$

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$(0.05 \geq \alpha)$

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$(0.05 \geq \alpha)$

(24.4)

(1.543)

()

(

)

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(0.216)

(LSD)

(

.(26.4)

(LSD) :26.4

0.3780*	0.1988			
0.1792				

(26.4)

()

()

()

()

:

.5.4.1.4

$(0.05 \geq \alpha)$

.(27.4)

:27.4

0.66	3.16	55	30	
0.71	3.25	156	45 - 30	
0.92	3.29	28	45	
0.72	2.73	55	30	
0.78	2.69	156	45 - 30	
0.94	2.79	28	45	
0.80	1.79	55	30	
0.67	1.63	156	45 - 30	
0.58	1.68	28	45	

0.75	2.77	55	30
0.72	2.74	156	45 – 30
0.87	2.62	28	45
0.95	2.55	55	30
0.86	2.51	156	45 – 30
0.97	2.51	28	45
0.56	2.60	55	30
0.56	2.56	156	45 – 30
0.64	2.58	28	45

(27.4)

.(28.4)

(One Way Analysis of Variance)

:28.4

0.679	0.388	0.206	2	0.413	
		0.532	236	125.636	
			238	126.049	
0.833	0.183	0.115	2	0.229	
		0.625	236	147.443	
			238	147.672	
0.319	1.150	0.550	2	1.100	
		0.478	236	112.904	
			238	114.004	
0.664	0.410	0.229	2	0.457	
		0.558	236	131.688	
			238	132.145	
0.957	0.043	0.347	2	0.069	
		0.799	236	188.457	
			238	188.527	
0.921	0.082	0.026	2	0.053	
		0.324	236	76.376	
			238	76.430	

.($\alpha \leq 0.05$)

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.($0.05 \geq \alpha$)

*

$(0.05 \geq \alpha)$

(28.4)

(0.082)

()

(0.921)

:

.6.4.1.4

$(\alpha \leq 0.05)$

.(29.4)

:29.4

0.75	3.29	122	-	
0.68	3.24	89	-	
0.70	2.95	28	-	
0.82	2.77	122	-	
0.78	2.70	89	-	
0.67	2.51	28	-	
0.73	1.77	122	-	
0.63	1.57	89	-	
0.69	1.60	28	-	
0.75	2.77	122	-	
0.74	2.72	89	-	
0.72	2.61	28	-	
0.94	2.63	122	-	
0.85	2.48	89	-	
0.73	2.19	28	-	
0.60	2.65	122	-	
0.53	2.54	89	-	
0.51	2.37	28	-	

(29.4)

(30.4)

(One Way Analysis of Variance)

:30.4

0.085	2.488	1.301	2	2.603		
		0.523	236	123.446		
			238	126.049		
0.288	1.253	0.776	2	1.551		
		0.619	236	146.121		
			238	147.672		
0.096	2.368	1.122	2	2.243		
		0.474	236	111.761		
			238	114.004		
0.553	0.594	0.331	2	0.661		
		0.557	236	131.484		
			238	132.145		
0.050*	3.040	2.368	2	4.735		
		0.779	236	183.792		
			238	188.527		
0.053	2.975	0.940	2	1.880		
		0.316	236	74.550		
			238	76.430		

.(0.01 ≥ α)

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.(0.05 ≥ α)

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(0.05 ≥ α)

(30.4)

(2.975)

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(0.053)

(LSD)

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.(30.4)

		(LSD)	:31.4
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0.4438*	0.1497		-
0.2941			-
			-

(31.4)

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.7.4.1.4

(0.05 ≥ α)

.(32.4)

:32.4

0.72	3.26	70	
0.75	3.22	127	
0.68	3.22	42	
0.81	2.74	70	
0.76	2.70	127	
0.83	2.70	42	

0.64	1.57	70		
0.71	1.70	127		
0.71	1.75	42		
0.73	2.73	70		
0.73	2.74	127		
0.82	2.72	42		
0.89	2.42	70		
0.88	2.56	127		
0.94	2.57	42		
0.56	2.54	70		
0.56	2.59	127		
0.59	2.59	42		

(32.4)

(33.4)

(One Way Analysis of Variance)

:33.4

0.940	0.062	0.033	2	.0660		
		0.534	236	125.983		
			238	126.049		
0.946	0.056	0.034	2	0.069		
		0.625	236	147.602		
			238	147.672		
0.319	1.149	0.549	2	1.099		
		0.478	236	112.905		
			238	114.004		

0.982	0.018	0.099	2	0.019		
		0.560	236	132.126		
			238	132.145		
0.525	0.646	0.513	2	1.027		
		0.794	236	187.500		
			238	188.527		
0.856	0.155	0.050	2	0.101		
		0.323	236	76.329		
			238	76.430		

$(\alpha \leq 0.05)$

**

$(0.05 \geq \alpha)$

*

$(0.05 \geq \alpha)$

(33.4)

()

(0.856)

(0.155)

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.8.4.1.4

$(0.05 \geq \alpha)$

.(34.4)

:34.4

0.63	3.43	46	2000	
0.72	3.25	164	4000 - 2000	
0.77	2.80	29	4000	

0.71	2.97	46	2000	
0.80	2.68	164	4000 – 2000	
0.77	2.48	29	4000	
0.80	1.90	46	2000	
0.65	1.61	164	4000 – 2000	
0.71	1.68	29	4000	
0.81	2.92	46	2000	
0.71	2.69	164	4000 – 2000	
0.84	2.66	29	4000	
0.99	2.83	46	2000	
0.87	2.47	164	4000 – 2000	
0.74	2.32	29	4000	
0.59	2.81	46	2000	
0.54	2.54	164	4000 – 2000	
0.58	2.39	29	4000	

(34.4)

(35.4)

(One Way Analysis of Variance)

:35.4

0.001**	7.239	3.643	2	7.286		
		0.503	236	118.763		
			238	126.049		
0.022*	3.899	2.361	2	4.723		
		0.606	236	142.949		
			238	147.672		

0.038*	3.313	1.557	2	3.113	
		0.470	236	110.891	
			238	114.004	
0.162	1.832	1.010	2	2.020	
		0.551	236	130.125	
			238	132.145	
0.023*	3.840	2.971	2	5.941	
		0.774	236	182.586	
			238	188.527	
0.003*	6.079	1.872	2	3.745	
		0.308	236	72.685	
			238	76.430	

$(\alpha \leq 0.05)$

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$(0.05 \geq \alpha)$

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$(0.05 \geq \alpha)$

(35.4)

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(0.003)

(6.079)

.(36.4)

(LSD)

(LSD)

:36.4

4000	4000 - 2000	2000		
0.6313*	0.1823		2000	
0.4490*			4000 - 2000	
			4000	
0.4894*	0.2841*		2000	
0.2052			4000 - 2000	
			4000	
0.2194*	0.2942*		2000	
-0.0748			4000 - 2000	
			4000	

4000	4000 - 2000	2000		
0.5110*	0.3563*		2000	
0.1547			4000 - 2000	
			4000	
0.4224*	0.2687*		2000	
0.1538			4000 - 2000	
			4000	

(36.4)

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(0.05 ≥ α)

Pearson)

(Correlation

.(37.4)

(Pearson Correlation)

:37.4

** -0.195	-0.189**	-0.054	** -.0295*	-0.164	-0.013	**0.754	**0.279	**0.408	.
0.003	0.003	0.403	0.000	0.011	0.847	0.000	0.000	0.000	.
-0.067	-0.085	0.057	-0.120	-0.062	-0.034	**0.735	0.325**		.
0.302	0.188	0.379	0.063	0.341	0.603	0.000	0.000		.
0.020	0.068	0.036	-0.058	0.019	-0.005	**0.748			.
0.753	0.296	0.583	0.369	0.765	0.935	0.000			.
-0.105	-0.086	0.015	-0.211**	-0.090	-0.021				.
0.105	0.185	0.819	0.001	0.167	0.742				.
**0.595	**0.301	**0.348	0.109	**0.450					.
0.000	0.000	0.000	0.092	0.000					.
0.831	**0.561	**0.546	0.480						.
0.000	0.000	0.000	0.000						.
0.672**	0.438**	0.490**							.
0.000	0.000	0.000							.
0.781**	0.500**								.
0.000	0.000								.
0.786*									.
0.000									.
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.(5 0.0 ≥ α)

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.(0.05 ≥ α)

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(35.4)

(0.05 ≥ α)

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(0.05 ≥ α)

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(0.05 ≥ α)

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$(0.05 \geq \alpha)$ -

$(0.05 \geq \alpha)$ -

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$(\alpha \leq 0.05)$

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: .1.2.1.5

$(\alpha \leq 0.05)$

$(\alpha \leq 0.05)$: .2.2.1.5

(Rhodewalt & Zone K ,1989)

(2002)

$(\alpha \leq 0.05)$: .3.2.1.5

(2002)

($\alpha \leq 0.05$) : .4.2.1.5

($\alpha \leq 0.05$) : .5.2.1.5

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(Rhodewalt & Zone ,1989)

$(\alpha \leq 0.05)$: .6.2.1.5

$(\alpha \leq 0.05)$: .7.2.1.5

($\alpha \leq 0.05$) : .8.2.1.5

(Porter ,1998)

: .3.1.5

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(Kim, et al, 1997)

(Miller, 1979)

(Petz, 1997)

(2008)

Rosenman,)

(Friedman, shtrauss, 1966

($\alpha \leq 0.05$) : 4.1.5

: (8-1) ()

($\alpha \leq 0.05$) : .1.4.1.5

(20.4)

(2.344) (2.82) () (2.59) (0.020)

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($\alpha \leq 0.05$)

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: .6.4.1.5
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: .7.4.1.5
($0.05 \geq \alpha$)

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(0.05 ≥ α)

.8.4.1.5

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(0.05 ≥ α)

1.5.1.5

(36.4)

$(0.05 \geq \alpha)$ -

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- Allen, R. J. (1983): Human Stress its nature and control, Minnesota: Burgess publishing Company.
- Allred ,K.D.&Smith,T.W,(1989): "The hardy personality; cognitive and physiological responses to evaluative threat" Journal of Personality and Social Psychology. 56 (2) 257-266.
- Asbell, L.B., (1988), Style Of Coping, daily hassles, and hardiness as mediators and outcome in the stress-illness relationship: A prospective Study, DAI-B, 49/12,P.5510.
- Bakhshi, Sudha, N.& Sandhu, P. (2008): Impact of occupational stress on home environment: An analytical study of working women of Ludhiaia city, Journal of Human Ecology, 23 (3) 231-235.
- Bigee, J. L (1992): Family stress, hardiness, and illness: A pilot study, Journal of family relations, 41 (2): 212 – 217.
- Clark, D, (1995). Vulnerability to stress as function of age, sex, Locus of control, hardiness and type. Journal of Social Behavior and Personality. 23 (3) 285-268.
- Clark.L.M& Hartman.M, (1996). Effects of hardiness and appraisal on the psychological distress and physical health of caregivers to elderly relatives, Research on Aging, 18 (4), 379-402.
- Collins, B, (1991) Hardiness As Stress Resistance Recource. P11, paper presented at the annual meeting of American psychological.
- Contrada, J. (1989): Type a behavior, personality, hardness, and cardiovascular responses to stress, Journal of Personality & Social Psychology, 57 (5), 895 – 903.
- Cotton, D, (1990). Stress Management. New York. Library of Congress Publication Data. Brunner L Mazel. Inc.

- Cozzi, L, (1991),The influence of hardness stress and social support on academic achievement among urban commuter students. Distraction abstract international. Vol.52,P.2339.
- Florian, V; Mikulincer, M; and Taubman,O.(1995) .Does hardness contribute to mental health during a stressful real life situation? The roles of appraisal and coping. Journal of Personality and Social Psychology, 68 (4), 687-695.
- Folkman, S. & Lazarus, S. (1984): Coping and adaption in gentry. W. Daily (eds) Behaviour, New York, The Guliford Press.
- Folkman,S.(1984): PersonalControl and Stress Coping Processes: A Theoretical Analysis , Journal of Personality and Social Psychology. 50 (3) 571-579.
- Ganellen, R; Blaney, P. (1984). Hardiness and social support as moderators of the effects of live stress. Journal of Personality and Social Psychology. 47 (1). 156-163.
- Garmezy, N. & Rutter, M. (1983). Stress, Coping and development in children. Newyork: Mc Geow – Hill.
- Hanson, S & Penny, MC Cukkagh (1992): sport psychology. The Relationship of personality characteristics life stress and coping resources, Journal of Sport Exercise, Psychology, 14 (3) 262-272.
- Hull, J. G.; Van Teruren. R. R. & Virnellis, S (1987): Hardiness and Health: Acritique and alternative approach, Journal of Personality and Social Psychology. 53 (3): 518-530.
- Jennings, P. (1984). childhood stress. word news Tonight.
- Jonson, K et, al (1989): Trauma in the lives of children: crisis and stress management techniques for counselors, teachers, and other proffessinals, Hunter House.

- Killy, C.W.WT Al, (1993): Psychology stress, MaCmilan Publishing Company, pp. 619 – 637.
- Kobasa , S,C, (1982 b): Commitment and Coping in Stress Resistance Among Lawyers, Journal of Personality and Social Psychology, 42, (4). 707-717
- Kobasa,S.C. (1979): Stressful the events, personality and health: An Inquiry in Hardiness, Journal of Personality and Social Psychology. 37 (1). 1-11.
- Kobasa.S.C. & Pocetti , M.C.(1983) Personality and social resources in stress resistance. Journal of Personality and Social Psychology. 45 (4) 839-850.
- La Greca, A (1985): The psychosocial factors in surviving stress. Death Studies, 9 (1) 23 – 36.
- Lazarus, R, S, (1961): Adjustment and Personality, New York: McGrwa Hill Book company.
- Lazarus, RS (1988): Coping as Mediator of emotion. Journal of Personality and Social Psychology. 54 (3). 466-475.
- Lengul & Stormshak, E (2000): Gender roles and personality differences in prediction of coping and psychological symptoms. Sex Roles, 43 (11) 787 – 820.
- Little, L. (2005). Lessons in leadership, Stress Control for academic leaders ? dministrator. Magne Publications , P. 8.
- Matteson, M. T, & Ivancevich, J.M., (1987): (controlling work stress: effective human resource and management strategies. London: Jossy – Bass.
- McCarthy, C Fouladi, R., Juncker,B., & Matheny,K.(2006). Psychological resources as stress Buffers ,Their relationsuip To university students anxiety and depression. Journal of College Counseling,9(2),99-110.

- Porter, L. (1998): Hardness: its relationship to stress in graduate nursing student, Dissertation Abstracts International, Vol 36, 1590.
- Punamaki, R (1986): Stress among Palestinian women under occupation. International Journal of psychology, 21(1-4) 445 – 462.
- Rees, w. (1976). “Stress, distress and disease “. The British journal of psychiatry, 128 (1). 3-18.
- Rhodewatt, F. and Zonne, gB (1989): Appraisal of life change, Depression and Illness in hardy and nonhardy women, Journal of personality and social psychology, 56 (1), 81 – 88.
- Rooks, R. H. & Stein, J (1988): psychology: science, behavior, and life, New York,: Holt, and Winston, Inc.
- Secheier MF.& Carver,C.S. (1987), Dispositional optimism and physical well-being The influence of generalized outcome expectations on health, Journal of personality, 55 (2),169-210.
- Selye, H, (1979): Stress With out Distress, New York.
- Selye. H (1983): The stress concept: past, present and future, In Cooper (end’s) stress research: Issues for the 80’s, New York: Wiley.
- Tylor, S. E, (1989): Health psychology. New Yourk, Ran Dom.

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بسم الله الرحمن الرحيم

P. 1

Al-Quds University
Faculty of Educational Science
Graduate Studies Programs



جامعة القدس
كلية العلوم التربوية
برامج الدراسات العليا

الرقم: ب د ع/102/46/13/4
التاريخ: 2013/11/25

مصدر	مكتب ومساعد القائد الأعلى لتقوية الأمن
116	9 14 5 113

حضرة اللواء الحاج اسماعيل جبر المحترم ،
مساعد القائد العام لقوى الامن الفلسطيني ،

الموضوع: تسهيل مهمة


تحية طيبة وبعد،،

يقوم الطالب : عصام عوني سلمان عيسى ورقمه الجامعي (21111869) ، بدراسة تتعلق برسالة ماجستير بعنوان :
" الصلابة النفسية وعلاقتها بضغوط الحياة لدى العاملين في المؤسسة الامنية في محافظة الخليل وبيت لحم "

لذا نرجو من حضرتكم تسهيل مهمة الطالب المذكور أعلاه وذلك لتطبيق الدراسة خلال الفصل الدراسي الاول 2013/2014 .

مصدر	مكتب ومساعد القائد الأعلى لتقوية الأمن
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شاكرين لكم حسن تعاونكم



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169		1.
170		2.
174		3.
179		4.

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34		1
34		2
36		3
51		4
52		5
53		6
53		7

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95	.	1.3
96		2.3
98	(Pearson correlation)	3.3
99		4.3
99	.	5.3
101	(Pearson correlation)	6.3
102	.	7.3
106	.	1.4
107	(t-test)	2.4
108		3.4
108	One Way Analysis of) (Variance	4.4
109	(t-test)	5.4
110		6.4
111	One Way Analysis of) (Variance	7.4
111	(LSD)	8.4

112		9.4
113	One Way Analysis of) (Variance	10.4
114		11.4
114	One Way Analysis of) (Variance	12.4
115		13.4
116	One Way Analysis of) (Variance	14.4
117		15.4
118	One Way Analysis of) (Variance	16.4
118	(LSD)	17.4
119		18.4
120		19.4
121	(t-test)	20.4
122		21.4
123	One Way Analysis of) (Variance	22.4
124	(t-test)	23.4
125		24.4

126	One Way Analysis of) (Variance	25.4
127	(LSD)	26.4
127		27.4
128	One Way Analysis of) (Variance	28.4
129		29.4
130	One Way Analysis of) (Variance	30.4
131	(LSD)	31.4
131		32.4
132	One Way Analysis of) (Variance	33.4
133		34.4
134	One Way Analysis of) (Variance	35.4
135	(LSD)	36.4
137	(Pearson Correlation)	37.4

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..... Abstract:

1.....	:	
2.....		1.1
5.....		2.1
5.....		3.1
6.....		4.1
8.....		5.1
9.....		6.1
9.....		7.1
11.....	:	
12.....	:	1.2
18.....	:	:
18.....	:	:
19.....	:	
20.....	:	:
21.....	:	
22.....	:	
22.....	:	
23.....	:	:

25	:	:
25	:	:
27	:	
28	:	
29	:	
32	:	
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37	:	:
37	:	
38	:	
39	:	
40	:	
49	:	
54	:	
57	:	
57	:	:
68	:	:
92	:	
94	:	
93		1.3
93		2.3
93		3.3
95		4.3
97	:	1.4.3

97	:	1.1.5.3
98	:	2.1.5.3
97	:	2.4.3
98	:	1.2.4.3
100	:	2.2.4.3
102	:	3.2.4.3
102		5.3
104	:	
105		1.4
105	:	.1.1.4
106	:	2.1.4
106	:	.1.2.1.4
106	:	.3.2.1.4
107	:	.4.2.1.4
112	:	.5.2.1.4
111	:	.6.2.1.4
115	:	.7.2.1.4
117	:	.2.1.4.8
117	:	.3.1.4
118	:	4.1.4
119	:	.1.4.1.4
120	:	.2.4.1.4
122	:	.3.4.1.4
123	:	.4.4.1.4

125	:	.5.4.1.4
127	:	.6.4.1.4
129	:	.7.4.1.4
132	:	.8.4.1.4
135	:	5.1.4
135	:	1.5.1.4
139	:	
140		1.5
140	:	.1.1.5
141	:	2.1.5
139	:	.1.2.1.5
140	:	.2.2.1.5
140	:	.3.2.1.5
141	:	.4.2.1.5
141	:	.5.2.1.5
145	:	4.1.5
145	:	.1.4.1.5
146	:	.2.4.1.5
147	:	.3.4.1.5
147	:	.4.4.1.5
148	:	.5.4.1.5
148	:	.6.4.1.5
150	:	.8.4.1.5
150	:	5.1.5

154	5.2
156	:
156	:
164	: