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CUCEI

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Moos , 1979 ; Walberg , 1979 ; Fraser , )

(1985 ; Chaves , 1984

.( 1983                      1982                      1975                      )

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Naturalistic inquiry

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Paper and Pencil Perceptual measures

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.(Walberg & Haertel , 1980)

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Fisher )

(, 1990 ; Fraser , 1994 ;Johnson , 1999

The

The Learning Environment Inventory

The

Classroom Environment Scale

Individualized Classroom Environment Questionnaire .

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My Class Inventory"

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Difficulty

Formality (

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Competiton

Personalisation

Rule Clarity

. Investigation

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(Fraser, Treagust & Dennis,1986;Fisher& Fraser ,1990)

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Predictor Variables

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116

Fraser & Fisher ,1982 )

.(Fraser , Treagust &Dennis ,1986 :

Criterion Variables.

.(Kuert , 1979)

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Fraser , )

.(Treagust & Dennis , 1986, Fisher&Fraser,1991,

69

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(Fraser , 1984)

(Moos , 1979)

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(Fraser et. al. ,1986 : )

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(Fraser , Treagust &Dennis ,1986)

*College and "*  
CUCEI

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*University Classroom Environment Inventory*

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Relationship

(Moos,1974)

Dimensions

Personal Development Dimensions

System Maintenance and System Change Dimensions

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(Fraser , Treagust , Dennis ,1986)

12

Perth

49=7×7 )

: Personalisation( ) -1

.( ) 8

:Involvement ( ) -2

.( )2

:Student Cohesiveness ( ) -3

.10

:Satisfaction -4

.11

: Task Orientaion -5

.19

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.20 : Innovation -6

:Individualisation -7

.28

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.(R)

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.(S)

(R)

(S)

(P)

Crossvalidation Data.

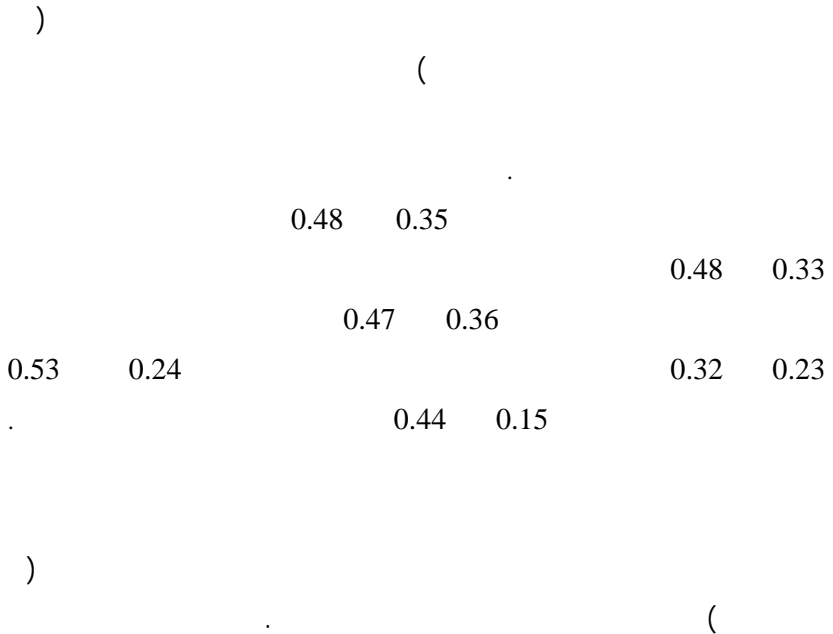
Crossvalidation Samples "

Cross - Cultural Validity " "

(Fraser et.al., 1986)

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0.71 0.74: ( )  
0.86 0.79 0.85 0.69 0.71  
0.75 0.77 0.80 0.85  
0.79 0.83 0.74



(Johnson & Stevens, 2001)

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(The Actual Form)CUCEI

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2002-2001

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.( 1988                      1985                      1985                      )



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(Fraser et. al., 1986 ,p.43)

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78 -1

544 -2

227 )

125

61

103

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227	8		1
125	7		2
103	8	..	3
61	5	..	4
28	1		5
544 =	29 =		

78) 612

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0.63

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0.84

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0.73	-1
0.68	-2
0.79	-3
0.75	-4
0.71	-5
0.84	-6
0.63	-7

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28=	61=	103=	125=	227=	
0.72	0.69	0.80	0.79	0.83	
0.58	0.82	0.71	0.55	0.77	
0.76	0.89	0.75	0.82	0.91	
0.77	0.74	0.55	0.53	0.85	
0.89	0.69	0.79	0.79	0.88	
0.82	0.65	0.71	0.91	0.89	
0.73	0.83	0.74	0.68	0.78	

( 0.58 0.55)

. ( 0.55 0.53)

0.65 ( ) 31  
 . 0.79 0.91

0.79:  
 0.74 0.82 0.71  
 0.74 0.82 0.69

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0.71                      0.74

                    0.80                      0.86                      0.85

                                            0.83                      0.75

((4) )

: (227= )

(4)

(227= ) ( )

7	6	5	4	3	2	
0.57	0.53	0.51	0.56	0.37	0.47	1
0.39	0.39	0.46	0.45	0.28		2
0.33	0.38	0.46	0.35			3
0.61	0.44	0.71				4
0.58	0.44					5
0.58						6



0.47: 0.46: 0.71-0.28:

.0.71 0.28

. 0.47 0.46  
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0.71 0.28  
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.0.61 0.33  
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(5)

(125= ) ( )

7	6	5	4	3	2	
0.48	0.22	0.43	0.47	0.17	0.51	1
0.20	0.15	0.37	0.40	0.24		2
0.25-	0.61	0.25	0.22			3
0.34	0.24	0.58				4
0.10	0.10					5
0.38						6

( ) 0.32: 0.30: 0.61-0.10:

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) 0.61 0.10  
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0.20

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7	6	5	4	3	2	
0.45	0.31	0.58	0.67	0.37	0.59	1
0.39	0.18	0.50	0.58	0.41		2
0.20	0.13	0.28	0.47			3
0.56	0.36	0.65				4
0.44	0.31					5

0.33						6
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. 0.42: 0.41: 0.67-0.13:

. 0.42 0.41 0.67 0.13

.0.59 0.28

:(7 )

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(61 = )( )

7	6	5	4	3	2	
0.65	0.55	0.56	0.74	0.44	0.52	1
0.33	0.44	0.27	0.50	0.48		2
0.23	0.44	0.29	0.48			3
0.62	0.58	0.71				4
0.46	0.40					5
0.46						6

0.48 0.48 0.74-0.23

0.48 0.74 0.23

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. 0.48

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.0.62 0.23

(0.60 0.59 ) 0.81 0.33

0.61 (21 8)

(8) ) . 0.61 0.33

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**(28= ) ( )**

7	6	5	4	3	2	
0.57	0.46	0.45	0.53	0.43	0.60	1
0.78	0.58	0.72	0.59	0.53		2
0.61	0.81	0.33	0.69			3
0.79	0.77	0.48				4
0.74	0.47					5
0.80						6

0.60 0.59 0.81-0.33

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0.39 0.41: )

- (0.42

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Cross-Cultural Validity

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8 ( )

One-Way ANOVA

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0.000	5.109	130.258 25.498	28 515 543	3647.211 13131.228 16778.439	:1 : : :
0.000	2.909	41.683 14.328	28 515 543	1167.124 7378.869 8545.993	:2 : : :
0.000	4.183	103.107 24.651	28 515 543	2887.007 12695.434 15582.441	:3 : : :
0.000	3.126	105.995 33.907	28 515	2967.864 17461.953	:4 :

			543	20429.816	:
					:
0.000	2.925	67.962 23.234	28 515 543	1902.934 11965.470 13868.404	:5 : : :
0.000	4.988	95.716 19.190	28 515 543	2680.042 9882.774 12562.816	:6 : : :
0.000	4.376	88.508 20.226	28 515 543	2478.230 10416.460 12894.689	:7 : : :

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.(P< 0.01)

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(10)

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0.40	-1
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0.45	-2
0.38	-3
0.54	-4
0.53	-5
0.39	-6
0.39	-7

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