

CHAPTER III

PRESENTATION OF RESULTS

TABLE II

SOCIAL DISTANCE SCORES ON A 100 POINT SCALE EXPRESSED TOWARDS
SIX STIMULUS SUBJECTS BY FOUR CULTURAL GROUPS

Cultural Group	Stimulus			Persons		
	Extreme Chinese	Chinese	Sino-Thai	High Thai Culture Sino-Thai	Thai	Extreme Thai
Chinese	23.6	30.6	37.1	47.6	37.8	65.1
Sino-Thai	32.9	31.1	34.0	54.2	30.1	60.9
High Thai Culture Sino-Thai	37.6	37.4	30.0	32.7	27.3	57.4
Thai	49.1	49.6	41.9	39.4	21.2	51.3

Table II shows the mean score of the social distance each cultural group expressed towards each stimulus person. The "Chinese" expressed least social distance towards the "Extreme Chinese" and greatest social distance towards the "Extreme Thai". The "Sino-Thai" and the "Thai" were treated by the "Chinese" in the same manner. But the "High Thai Culture Sino-Thai" received greater social distance than the "Thai" did from the "Chinese" group. The "Sino-Thai" expressed highest social distance towards the "Extreme Thai" and

lowest towards the "Thai". However their social distance towards the "Thai" and the "Chinese" are almost equal. The "High Thai Culture Sino-Thai" also received high social distance from the "Sino-Thai". The "High Thai Culture Sino-Thai" endorsed highest social distance towards the "extreme Thai", (though to a little lesser degree than the other ethnic Chinese group), and endorsed least social distance towards the "Thai".

It is interesting that the "High Thai Culture Sino-Thai" do not place themselves first in the rank of social acceptance, but place themselves third after the "Thai" and the "Sino-Thai". The "Extreme Chinese" and the "Chinese" are less accepted by the "High Thai Culture Sino-Thai" than all other stimulus persons except the "Extreme Thai".

The "Thai" showed least social distance to their own group as expected. But surprisingly they showed greatest social distance towards the "Extreme Thai" rather than towards the "Extreme Chinese". Among the four ethnic Chinese groups, the "High Thai Culture Sino-Thai" received least social distance from the "Thai". But the "Extreme Chinese" did not receive higher social distance than the "Chinese" from the "Thai", acceptance of the "Chinese" increases as the degree of "Chineseness" decreases.

TABLE III
ANALYSIS OF VARIANCE OF CULTURAL GROUPS AND STIMULUS
PERSONS AS DETERMINANTS OF SOCIAL DISTANCE SCORES

Source	d.f.	MS	F
Between Subjects	143		
Cultural Groups	3	990.86	1.68
Subjects within group	140	599.22	
Within Subject	720		
Stimulus Persons	5	14,307.48	42.13****
Cultural Groups Stimulus Persons	15	2,083.82	6.09****
Stimulus Persons Subjects within Groups	700	342.01	

**** $P < .001$

The result of the analysis of variance in Table III shows that there is no difference between subjects in various cultural groups in their total Social Distance Scores. But the Social Distance Scores received by six stimulus persons are significantly difference ($p < .001$). The interaction effect between the cultural groups and the stimulus persons is also significant ($p < .001$).

In any case the fact that there are significant differences between the scores received by each stimulus person was not sufficiently conclusive. Therefore a comparison was made of every

pair combination of Social Distance Mean Score. The Newman-Keuls Procedure for testing all differences between all pairs of means as described in Winer (1962)³⁸ was adopted.

³⁸J.B. Winer, Statistical Principles in Experimental Design (New York: McGraw-Hill Co., 1962), Ch. 7.

TABLE IV
 COMPARISONS OF SOCIAL DISTANCE MEANS EXPRESSED TOWARDS
 SIX STIMULUS PERSONS BY ALL CULTURAL GROUPS

Stimulus Persons	Thai	Sino-Thai	Chinese	Extreme Chinese	High Thai Culture Sino-Thai	Extreme Thai
Ordered means (n = 144)	26.1	39.9	40.5	40.6	43.6	56.1
Differences between pairs	Thai	Sino-Thai	Chinese	Extreme Chinese	High Thai Culture Sino-Thai	Extreme Thai
Thai	-	4.8	14.4**	14.5**	17.5**	30.0**
Sino-Thai		-	9.6	9.7**	12.7**	25.2**
Chinese			-	.1	3.1	15.6**
Extreme Chinese				-	3.0	15.5**
High Thai Culture Sino-Thai					-	12.5**
Extreme Thai						-
		r = 2	3	4	5	6
$S_{\bar{B}} = 1.58$						
$q_{.99}(r, 700) +$		3.64	4.12	4.40	4.6	4.76
$S_{\bar{B}}q_{.99}(r, 700)\%$		5.75	6.51	6.95	7.27	7.52

**p < .01

r = steps apart between two ordered means.

df = 700

$$S_{\bar{B}} = \sqrt{\frac{MS_B \text{ subject w. groups}}{N}}$$

+ = Table of studentized range's critical values for the means r steps apart.

% = Critical Values for an ordered difference between two means r steps apart.

Table IV shows that there is a statistically significant difference at $p < .01$ level in the following pairs:-

The "Thai" and the "Chinese".

The "Thai" and the "Extreme Chinese".

The "Thai" and the "High Thai culture Sino-Thai".

The "Thai" and the "Extreme Thai".

The "Sino-Thai" and the "Chinese".

The "Sino-Thai" and the "Extreme Chinese".

The "Sino-Thai" and the "High Thai culture Sino-Thai".

The "Sino-Thai" and the "Extreme Thai".

The "Chinese" and the "Extreme Thai".

The "Extreme Chinese" and the "Extreme Thai".

The "High Thai culture Sino-Thai" and the "Extreme Thai".

But comparisons of other combination of pairs are not of any significance.

Since the interaction between the cultural groups and the stimulus persons were significant, tests on simple main effect would be called for, rather than tests on the main effect. The procedure used to test these simple main effects is the one described by Winer⁽¹⁹⁶²⁾.³⁹

It was found that the Social Distance Means expressed toward the six stimulus persons by the "Chinese" group, the "Sino-Thai" group and the "Thai" group were statistically different at $p < .001$ ($F = 8.57, 29.3, 23.5$), but the means expressed by the "High Thai culture Sino-Thai" was significantly different at $p < .005$. ($F = 5.02$)

The comparisons of Social Distance mean scores expressed toward each stimulus person by each cultural group were also computed. The results were shown in the following tables:

³⁹Ibid.



TABLE V

COMPARISONS OF SOCIAL DISTANCE MEANS EXPRESSED TOWARD
SIX STIMULUS PERSONS BY "CHINESE" SUBJECTS

Stimulus Persons	Extreme Chinese	Chinese	Sino-Thai	Thai	High Thai Culture Sino-Thai	Extreme Thai
Ordered means (n = 15)	23.6	30.6	37.1	37.8	47.6	65.1
Differences between pairs	Extreme Chinese	Chinese	Sino-Thai	Thai	High Thai Culture Sino-Thai	Extreme Thai
Extreme Chinese	-	7.0	13.5*	14.2*	24.0**	42.5**
Chinese		-	6.5	7.2	17.0*	34.5**
Sino-Thai			-	0.7	10.5	28.0**
Thai				-	9.8	27.3**
High-Thai Culture Sino-Thai					-	17.5**
Extreme Thai						-
		r = 2	3	4	5	6
$S_{\bar{B}} = 4.06$						
q.99 (r, 71)		3.7	4.20	4.50	4.71	4.87
$S_{\bar{B}}q.99(r, 71)$		15.02	17.22	18.45	19.27	19.97

* p < .05
** p < .01
d.f. = 71

$$S_{\bar{B}} = \sqrt{\frac{MS_{\text{error}}}{n}}$$

TABLE VI
 COMPARISONS OF SOCIAL DISTANCE MEANS EXPRESSED TOWARD
 SIX STIMULUS PERSONS BY "SINO-THAI" SUBJECTS

Stimulus Persons	Thai	Chinese	Extreme Chinese	Sino-Thai	High Thai Culture Sino-Thai	Extreme Thai
Ordered means (n = 40)	30.1	31.1	32.9	34.0	54.2	60.9
Differences between pairs	Thai	Chinese	Extreme Chinese	Sino-Thai	High Thai Culture Sino Thai	Extreme Thai
Thai	-	1.0	2.8	3.9	24.1**	30.8**
Chinese		-	1.8	2.9	23.1**	29.8**
Extreme Chinese			-	1.1	21.5**	28.0**
Sino-Thai				-	20.2**	26.9**
High Thai Culture Sino-Thai					-	6.7
Extreme Thai						-
		r = 2	3	4	5	6
$S_{\bar{B}} = 2.9$						
q.99(r,184)		3.64	4.12	4.40	4.60	4.80
$S_{\bar{B}}.99(r,184)$		10.56	11.89	12.76	13.30	13.92

**p < .01

d.f. = 184

Among all possible comparisons of Social Distance means of the six stimulus persons expressed by the "Chinese" and the "Sino-Thai" the following pairs of means appeared to be significantly different.

Table V

$p < .01$

The "Extreme Chinese" and the "High Thai culture Sino-Thai".

The "Extreme Chinese" and the "Extreme Thai".

The "Chinese" and the "Extreme Thai".

The "Sino-Thai" and the "extreme Thai".

The "Thai" and the "Extreme Thai".

The "High Thai culture Sino-Thai" and the "Extreme Thai".

$p < .05$

The "Chinese" and the "High Thai culture Sino-Thai".

The "Extreme Chinese" and the "Thai".

The "Extreme Chinese" and the "Sino-Thai".

Table VI

$p < .01$

The "Thai" and the "High Thai culture Sino-Thai".

The "Thai" and the "Extreme Thai".

The "Chinese" and the "High Thai culture Sino-Thai".

The "Chinese" and the "Extreme Thai".

The "Extreme Chinese" and the "High Thai culture Sino-Thai".

The "Extreme Chinese" and the "Extreme Thai".

The "Sino-Thai" and the "High Thai culture Sino-Thai".

The "Sino-Thai" and the "Extreme Thai".

TABLE VII
 COMPARISONS OF SOCIAL DISTANCE MEANS EXPRESSED TOWARD SIX STIMULUS
 PERSONS BY "HIGH THAI CULTURE SINO-THAI" SUBJECTS

Stimulus Persons	Thai	Sino- Thai	High Thai Culture Sino-Thai	Chinese	Extreme Chinese	Extreme Thai	
Ordered means (n = 16)	27.3	30.0	32.7	37.4	37.6	57.4	
Difference between pairs	Thai	Sino- Thai	High Thai Culture Sino-Thai	Chinese	Extreme Chinese	Extreme Thai	
Thai	-	2.7	5.4	10.1*	10.3*	30.1*	
Sino-Thai		-	2.7	7.4	7.6	27.4**	
High Thai Culture Sino-Thai			-	4.7	4.9	24.7**	
Chinese				-	0.2	20.0**	
Extreme Chinese					-	19.8**	
Extreme Thai						-	
			r = 2	3	4	5	6
$S_{\bar{B}} = 4.02$							
$q_{.99}(r, 74)$			3.76	3.28	3.60	4.82	4.99
$S_{\bar{B}q_{.99}(r, 74)}$			14.40	17.12	18.4	19.2	19.6

*.25 > p > .10

** p < .01

d.f. = 74

TABLE VIII
 COMPARISONS OF SOCIAL DISTANCE MEANS EXPRESSED TOWARD
 SIX STIMULUS PERSONS BY "THAI" SUBJECTS

Stimulus Persons	Thai	High Thai Culture Sino-Thai	Sino-Thai	Extreme Chinese	Chinese	Extreme Thai
Ordered means (n = 73)	21.2	39.4	41.9	49.1	49.6	51.3
Difference between pairs	Thai	High Thai Culture Sino-Thai	Sino-Thai	Extreme Chinese	Chinese	Extreme Thai
Thai	-	18.2*	20.7*	27.9**	28.4**	30.1**
High Thai Culture Sino-Thai		-	2.5	9.7	10.2	11.9
Sino-Thai			-	7.2	7.7	9.4
Extreme Chinese				-	0.5	2.2
Chinese					-	1.7
Extreme Thai						-
		r = 2	3	4	5	6
$S_B = 6.1$						
q.99(r,354)		3.64	4.12	4.40	4.60	4.76
$S_B q.99(r,354)$		22.1	25.01	26.8	28.06	28.8

* p < .05

**p < .01

d.f. = 354

Among all possible comparisons of Social Distance means of the six stimulus persons expressed by the "High Thai Culture Sino-Thai" and the "Thai", the following pairs of means appeared to be significantly different.

Table VII

$$p < .01$$

The "Thai" and the "extreme Thai".

The "Sino-Thai" and the "Extreme Thai".

The "High Thai culture Sino-Thai" and the "Extreme Thai".

The "Chinese" and the "Extreme Thai".

The "Extreme Chinese" and the "Extreme Thai".

$$.10 < p < .25$$

The "Thai" and the "Extreme Chinese".

The "Chinese" and the "Thai".

Table VIII

$$p < .01$$

The "Thai" and the "High Thai culture Sino-Thai".

The "Thai" and the "Sino-Thai".

The "Thai" and the "Extreme Chinese".

The "Thai" and the "Extreme Thai".

$$p < .05$$

The "Thai" and the "High Thai culture Sino-Thai".

The "Thai" and the "Sino-Thai".

The pairs of means which are not listed have no significant difference.