

APPENDIX 2 Sample of data collection

(A) What Is Happening in this Class

Ethnic Minority	Student 1						
Class 2	1	2	3	4	5		
Question	Almost Never	Seldom	Sometime	Often	Almost Always	SubTotal	
A1				4		4	
A2					5	5	
A3			3			3	
A4				4		4	
A5					5	5	
A6			3			3	
A7				4		4	
A8		2				2	
Total Score	for Student Cohesiveness						30
A9			3			3	
A10				4		4	
A11					5	5	
A12			3			3	
A13			3			3	
A14			3			3	
A15				4		4	
A16					5	5	
Total Score	for Teacher Support						30
A17			3			3	
A18			3			3	
A19			3			3	
A20				4		4	
A21					5	5	
A22				4		4	
A23				4		4	
A24			3			3	
Total Score	for Involvement						29
A25			3			3	
A26				4		4	
A27					5	5	
A28				4		4	
A29			3			3	
A30			3			3	
A31			3			3	
A32				4		4	
Total Score	for Investigation						29
A33				4		4	
A34				4		4	
A35					5	5	
A36				4		4	

A37				4		4	
A38			3			3	
A39				4		4	
A40					5	5	
Total Score for Task Orientation							33
A41			3			3	
A42				4		4	
A43					5	5	
A44				4		4	
A45			3			3	
A46		2				2	
A47			3			3	
A48				4		4	
Total Score for Cooperation							28
A49					5	5	
A50				4		4	
A51			3			3	
A52			3			3	
A53				4		4	
A54					5	5	
A55				4		4	
A56				4		4	
Total Score for Equity							32

Ethnic Minority Class 2
Student Cohesiveness

Score

Student 1	(S1)	30
Student 2	(S2)	31
Student 3	(S3)	23
Student 4	(S4)	26
Student 5	(S5)	35
Student 6	(S6)	33
Student 7	(S7)	35
Student 8	(S8)	37
Student 9	(S9)	32
Student10	(S10)	36
Student11	(S11)	39
Student12	(S12)	30
Student 13	(S13)	31
Student14	(S14)	30
Student15	(S15)	20
Total=		468
MEAN=		31.2
SD		5.17135

Graph 1

Scale VS Mean

Ethnic Minority Class 2
Teacher Support

Score

Student 1	(S1)	30	(S1)
Student 2	(S2)	29	(S2)
Student 3	(S3)	25	(S3)
Student 4	(S4)	33	(S4)
Student 5	(S5)	35	(S5)
Student 6	(S6)	36	(S6)
Student 7	(S7)	30	(S7)
Student 8	(S8)	37	(S8)
Student 9	(S9)	34	(S9)
Student10	(S10)	29	(S10)
Student11	(S11)	29	(S11)
Student12	(S12)	36	(S12)
Student 13	(S13)	36	(S13)
Student14	(S14)	33	(S14)
Student15	(S15)	22	(S15)
Total=		474	
MEAN=		31.6	
SD		4.388296	

SCALE	MEAN
Student Cohesiveness	31.2
Teacher Support	31.6
Involvement	31.53333
Investigation	30.93333
Task Orientation	31.6
Co-operation	31.26667
Equity	31.26667

Graph 2	Scale VS	Standard Deviation SD
SCALE		
Student Cohesiveness	ohes	5.17135
Teacher Support		4.388296
Involvement		3.700708
Investigation	n	3.369329
Task Orientation		2.261479
Co-operation		2.120198
Equity		3.172801

(B) Questionnaire on Student Teacher Interaction

Ethnic Minority	Student 1						
Class 2		NEVER				ALWAYS	
		1	2	3	4	5	
B1	Leadership				4		4
B2	Understand			3			3
B3	Uncertain	1					1
B4	Admonishi		2				2
B5	Leadership				4		4
B6	Understand			3			3
B7	Uncertain		2				2
B8	Admonishi			3			3

B9	Leadership			3		3
B10	Understand				4	4
B11	Uncertain	1				1
B12	Admonishi		2			2
B13	Leadership			3		3
B14	Understand				4	4
B15	Uncertain	1				1
B16	Admonishi		2			2
B17	Leadership			3		3
B18	Understand				4	4
B19	Uncertain	1				1
B20	Admonishi		2			2
B21	Leadership			3		3
B22	Understand				4	4
B23	Uncertain	1				1
B24	Admonishi		2			2
B25	Helpful/Fr			3		3
B26	Student Res				4	4
B27	Dis Satisfy	1				1
B28	Strict		2			2
B29	Helpful/Fr			3		3
B30	Student Res				4	4
B31	Dis Satisfy		2			2
B32	Strict		2			2
B33	Helpful/Fr			3		3
B34	Student Res			3		3
B35	Dis Satisfy	1				1
B36	Strict		2			2
B37	Helpful/Fr			3		3
B38	Student Res				4	4
B39	Dis Satisfy	1				1
B40	Strict		2			2
B41	Helpful/Fr			3		3
B42	Student Res				4	4
B43	Dis Satisfy		2			2
B44	Strict	1				1
B45	Helpful/Fr		2			2
B46	Student Res			3		3
B47	Dis Satisfy	1				1
B48	Strict			3		3

Leadership B1+B5+B9+B13+B17+B21 20

Understanding B2+B6+B10+B14+B18+B22 22

Uncertainty B3+B7+B11+B15+B19+B23 7

Admonishing B4+B8+B12+B16+B20+B24 13

Helpful/Friendly B25+B29+B33+B37+B41+B45 17

Student Responsibility B26+B30+B34+B38+B42+B46	22
Dissatisfaction B27+B31+B35+B39+B43+B47	8
Strict B28+B32+B36+B40+B44+B48	12

Ethnic Minority Class 2

Leadership

	Score
Student 1	20
Student 2	26
Student 3	24
Student 4	26
Student 5	27
Student 6	25
Student 7	28
Student 8	23
Student 9	27
Student10	26
Student11	26
Student12	27
Student13	25
Student14	25
Student15	23
Total=	378
MEAN=	25.2
SD	

Ethnic Minority Class 2

Understanding

	Score
Student 1	22
Student 2	22
Student 3	28
Student 4	26
Student 5	24
Student 6	24
Student 7	27
Student 8	23
Student 9	26
Student10	22
Student11	27
Student12	28
Student13	25
Student14	29
Student15	25
Total=	378
MEAN=	25.2
SD	

SCALE	MEAN
Leadership	25.2
Understand	25.2
Uncertainty	10
Admonishing	18.2
Help/Friend	22.13333
Responsibili	25.66667
Dis satisfy	10
Strict	11

SCALE
Leadership
Understanding
Uncertainty
Admonishing
Hrlpful/Friendly
Responsibility
Dissatisfaction
Strict

Ethnic Minority	Student 1						
Class 1		NEVER				ALWAYS	
		1	2	3	4	5	
B1	Leadership		2				2
B2	Understand		2				2
B3	Uncertain				4		4
B4	Admonishi				4		4
B5	Leadership			3			3
B6	Understand		2				2
B7	Uncertain		2				2
B8	Admonishi			3			3
B9	Leadership			3			3
B10	Understand			3			3
B11	Uncertain				4		4
B12	Admonishi			3			3
B13	Leadership			3			3
B14	Understand			3			3
B15	Uncertain				4		4
B16	Admonishi				4		4
B17	Leadership		2				2
B18	Understand		2				2
B19	Uncertain					5	5
B20	Admonishi				4		4
B21	Leadership			3			3
B22	Understand		2				2
B23	Uncertain			3			3
B24	Admonishi			3			3
B25	Helpful/Fr		2				2
B26	Student Res		2				2
B27	Dis Satisfy				4		4
B28	Strict			3			3
B29	Helpful/Fr		2				2
B30	Student Res		2				2
B31	Dis Satisfy			3			3
B32	Strict			3			3
B33	Helpful/Fr		2				2
B34	Student Res			3			3
B35	Dis Satisfy				4		4
B36	Strict			3			3
B37	Helpful/Fr		2				2
B38	Student Res		2				2
B39	Dis Satisfy			3			3
B40	Strict		2				2
B41	Helpful/Fr		2				2
B42	Student Res			3			3
B43	Dis Satisfy				4		4
B44	Strict				4		4
B45	Helpful/Fr			3			3

B46	Student Res		2			2
B47	Dis Satisfy				4	4
B48	Strict			3		3

Leadership B1+B5+B9+B13+B17+B21	16
Understanding B2+B6+B10+B14+B18+B22	14
Uncertainty B3+B7+B11+B15+B19+B23	22
Admonishing B4+B8+B12+B16+B20+B24	21
Helpful/Friendly B25+B29+B33+B37+B41+B45	13
Student Responsibility B26+B30+B34+B38+B42+B46	14
Dissatisfaction B27+B31+B35+B39+B43+B47	22
Strict B28+B32+B36+B40+B44+B48	18

Ethnic Minority Class 1

Leadership

Score

Student 1	16
Student 2	12
Student 3	14
Student 4	17
Student 5	12
Student 6	10
Student 7	12
Student 8	12
Student 9	12
Student10	14
Student11	13
Student12	15
Student13	16
Student14	17
Student15	14

Total= 206
 MEAN= 13.73333
 SD

Ethnic Minority Class 1

Understanding

Score

Student 1	14
Student 2	11
Student 3	13
Student 4	13
Student 5	12
Student 6	9
Student 7	10
Student 8	12
Student 9	15
Student10	11
Student11	12
Student12	14
Student13	14
Student14	14
Student15	16

Total= 190
 MEAN= 12.66667
 SD

Graph 1 Scale VS Mean

SCALE	MEAN
Leadership	13.73333
Understand	12.66667
Uncertainty	20.86667

Admonishing	19.2
Helpful/Fri	13.8
Response	13
Dissatisfy	18
Strict	16

(E) Individualised Classroom Environment Questionnaire & Classroom Environment Scale

Ethnic Minority	Student 1							
Condition 1								
Question	Almost Never	Seldom	Sometime	Often	Almost Always	SubTotal		
E1			3			3		
						0		
						0		
						0		
						0		
						0		
						0		
						0		
Total Score for Personalisation							3	
E2			3			3		
						0		
						0		
						0		
						0		
						0		
						0		
						0		
Total Score for Participation							3	
E3		2				2		
						0		
						0		
						0		
						0		
						0		
						0		
						0		
Total Score for Independence							2	
E4	1					1		
						0		
						0		
						0		
						0		
						0		

						0		
						0		
Total Score for Investigation								1
E5		2				2		
						0		
						0		
						0		
						0		
						0		
						0		
Total Score for Differentiation								2
E6		2				2		
E7						0		
E8						0		
						0		
						0		
						0		
						0		
Total Score for Task Orientation								2
E9		2				2		
E10	1					1		
E11		2				2		
E12			3			3		
						0		
						0		
						0		
						0		
Total Score for Involvement								8
E13			3			3		
E14				4		4		
						0		
						0		
						0		
						0		
						0		
						0		
Total Score for Teacher Support								7

Condition 1
Personalisation

Condition 1
Participation

	Score
Student 1	3
Student 2	1
Student 3	2
Student 4	2
Student 5	3
Student 6	2
Student 7	3
Student 8	2
Student 9	4
Student10	2
Student11	3
Student12	2
Student 13	3
Student14	3
Student15	4

Total= 39
 MEAN= 2.6
 SD

	Score
Student 1	3
Student 2	1
Student 3	2
Student 4	2
Student 5	2
Student 6	2
Student 7	3
Student 8	3
Student 9	7
Student10	2
Student11	3
Student12	2
Student 13	3
Student14	3
Student15	3

Total= 41
 MEAN= 2.733333
 SD

Graph 1 Scale VS Mean

SCALE	MEAN
Personal	2.6
Participation	2.733333
Independen:	2.333333
Investigation	2
Differentia:	2.133333
Task Ori:	6.533333
Involvement	9.4
Teach: Supp	5