

Chapter 3

Preliminary data analysis

In this chapter we describe the preliminary analysis of the responses obtained from the students in our study. These subjects comprised 1,440 students attending the Pattani primary school. A description of the variables and the bullying experiences in school are shown, and the characteristics of bullies are presented.

3.1 Description of the variables

There are 8 explanatory variables, three (grade, weight group, and height group) are ordinal, and five (career ambitions, method of travelling to school, willing at school, favourite zone, and unsafe zone) are nominal. Table 3.1 shows the frequency distributions of the explanatory variables. The student participants were equally distributed across urban and rural school locations. Of all participating students, 72.2% were from public schools and 55.4% were female. Slightly more than one third (34.5%) were 8 years or less of age, 34.0% were aged 9-10 years, and 31.5% were 11 years old or more.

Most of the students were Muslim (54.0%) and 20.3% of students reported that they had witnessed physical abuse between their parents. Nearly half (48.2%) of the students preferred 'mystery' cartoons. Regarding number of close friends, 41.4% had 3-5 close friends, 32.2% had two close friends or fewer and 26.4% had six close friends or more.

Determinant	Count (1,440)	Percent (100)
School location		
Urban	720	50.0
Rural	720	50.0
School type		
Private	400	27.8
Public	1,040	72.2
Gender		
Female	798	55.4
Male	642	44.6
Age group		
8 yrs or less	497	34.5
9-10 yrs	489	34.0
11 yrs or more	454	31.5
Religion		
Muslim	777	54.0
Non-Muslim	663	46.0
Parental physical abuse		
No	1,147	79.7
Yes	293	20.3
Preference of cartoon type		
Comedy	371	25.8
Action	375	26.0
Mystery	694	48.2
Number of close friends		
2 person or less	464	32.2
3-5 person	596	41.4
6 person or more	380	26.4

Table 3.1: Frequency distributions of the explanatory variables

Table 3.2 shows the frequency distributions of the characteristics of students. The majority of the students (38.5%) were weight 25-35 kilogram and 42.4% were 126-140 centimeter of height. With respect to career ambitions, 30.8% of the students wanted to be teachers, while 26.5% wanted to be physicians or nurses, and 21.1% wanted to be in the militaries or police forces'. Most (64.0%) traveled to school with their parents and 56.3% felt enjoyed and 40.6% felt happy when must go to school.

Most students (63.7%) were most favorite library or computer, and regarding most feel unsafe school zone, 31.5% were back building, 29.4% were classroom, and 23.0% were toilet.

Explanation variables	Count (1,440)	Percent (100)
Grade		
Grade 1	224	15.6
Grade 2	251	17.4
Grade 3	232	16.1
Grade 4	213	14.8
Grade 5	259	18.0
Grade 6	261	18.1
Weight group		
24 kg or less	470	32.6
25-34 kg	554	38.5
35 kg or more	416	28.9
Height group		
125 cm or less	398	27.7
126-140 cm	611	42.4
141 cm or more	431	29.9
Career ambitions		
Physician or nurse	382	26.5
Soldier or police	304	21.1
Teacher	444	30.8
Others	310	21.5
Method of travelling to school		
School bus	98	6.8
Bicycle	111	7.7
With parents	922	64.0
On foot	116	8.1
Regular car	193	13.4
Willing at school		
Enjoyed	811	56.3
Afraid, bored, sad	45	3.1
Happy	584	40.6
Favourite zone		
Classroom	166	11.5
Sport field or playground	295	20.5
Library or computer lab	917	63.7
Others	62	4.3
Unsafe zone		
Sport field or playground	232	16.1
Toilet	331	23.0
Back building	454	31.5
Classroom	423	29.4

Table 3.2: Frequency distributions of students characteristics

3.2 Bullying experiences in school

The frequency distributions of the bullying experiences of students are shown in Table 3.3-3.4.

Physical bullying	Count (1,440)	Percent (100)
Kick		
No	1,082	75.1
Yes	358	24.9
Hit		
No	1,098	76.3
Yes	342	23.8
Bite		
No	1,264	87.8
Yes	176	12.2
Pushed		
No	1,139	79.1
Yes	301	20.9
Throwing something at		
No	937	65.1
Yes	503	34.9
Beat		
No	1,234	85.7
Yes	206	14.3
Pinched		
No	1,251	86.9
Yes	189	13.1

Table 3.3: Frequency distributions of physical bullying

Table 3.3 shows the frequency distributions of physical bullying behaviour. Of the 1,440 students who took part in the study, most students (34.9%) reported having ever throwing something at anyone, 24.9% had ever kicked anyone, 23.8% had ever hit anyone, 20.9% had ever pushed anyone, 14.3% had ever beat anyone, 13.1% had ever pinched anyone, and 12.2% had ever bitten anyone.

Psychological bullying	Count (1,440)	Percent (100)
Scolding/ name calling		
No	760	52.8
Yes	680	47.2
Insulting parents' occupations		
No	1,067	74.1
Yes	373	25.9
Insulting parents' name		
No	1,023	71.0
Yes	417	29.0
Insulting appearance		
No	1,302	90.4
Yes	138	9.6
Insulting economic status		
No	1,361	94.5
Yes	79	5.5
Insulting academic achievement		
No	1,277	88.7
Yes	163	11.3
Insulting by stating a physical disability		
No	1,348	93.6
Yes	92	6.4

Table 3.4: Frequency distributions of psychological bullying

Table 3.4 shows the frequency distributions of psychological bullying behaviour. The results show that nearly half of the students (47.2%) reported having ever scolded/ name called anyone, 29.0% had ever insulted another students parents' name, 25.9% had ever insulted another students parents' occupations, 11.3% had ever insulted another students academic achievement, 9.6% had ever insulted another students appearance, 6.4% had ever insulted another students by stating a physical disability, and 5.5% had ever insulted another students economic status.

3.3 Characteristics of bullies

Table 3.5 shows a cross-tabulation between physical bullying and psychological bullying. Of the 1,440 students in the study, 1,036 students (71.9%) reported having bullied others in any form.

Physical bullying	Psychological bullying		Total
	No	Yes	
No	404	196	600
Yes	93	747	840
Total	502	938	1,440

Table 3.5: Cross-tabulation between physical bullying and psychological bullying

Table 3.6 shows the frequency distributions of the characteristics of bullies. Of the 1,036 students who reported having bullied others, the majority of bullies (67.8%) reported that they had bullied others while alone. More than one third of the bullies (39.5%) bullied both male and female, and 33.0% bullied male.

Most of the bullies (81.5%) bullied others of the same age, 71.5% bullied others in the classroom, and 36.4% bullied others at lunch break. The reason of bullying others, approximately 27.2% of the bullies reported that they had bullying others because for enjoyed, to show off (23.8%), and for revenge (19.1%).

Characteristic of bullying	Count (1,440)	Percent (100)
Circumstance of bully		
Alone	702	67.8
In a gang	246	23.7
Both alone and in a gang	88	8.5
Gender of bullied student		
Male	342	33.0
Female	285	27.5
Both male and female	409	39.5
Age of Bullied student		
Same age as bully	844	81.5
Older than bully	41	4.0
Younger than bully	151	14.6
Location of bullying		
Classroom	740	71.5
Sidewalk	104	10.0
Playground	106	10.2
Canteen	86	8.3
Time of bullying		
Lunch break	377	36.4
Play time	202	19.5
During morning lesson	107	10.3
During afternoon lesson	80	7.7
Before morning lesson	173	16.7
Prepare for going home	97	9.4
Reason for bullying		
For enjoyment	282	27.2
To show off	247	23.8
They are weaker	79	7.6
To get items or money	36	3.5
To show strength	110	10.6
To join in with classmates	84	8.1
For revenge	198	19.1

Table 3.6: Frequency distributions of the characteristics of bullying