POLITECNICO DI TORINO

Corso di Laurea Magistrale

in automotive engineering

Tesi di Laurea Magistrale SAFETY AWARENESS IN THE SCHOOL STUDENTS DATA COLLECTION AND ANALYSIS



Relatori: DEMICHELA MICAELA COMBERTI LORENZO(co-supervisor) GABRIELE BALDISSONE(co-supervisor) Candidato: JIN TONG

CONTENT

1.	INTRODUCTION	3
1	1.1 Background	3
1	1.2 Literature analysis	3
1	1.3 Methods of this survey	4
1	1.4 The importance of this thesis	4
2.	RESEARCH METHOD AND REASONS	4
2	2.1 Gaming	6
2	2.2 Questions	6
	2.2.1 "Primary" questions	6
	2.2.2 "Secondary" questions	8
3.	DATA COLLECTION	11
3	3.1 Process	11
3	3.2 Analysis of the primary school class	12
3	3.3 Analysis of the secondary school class	14
4.	RESULTS AND ANALYSIS	16
4	4.1 Collection data analysis	16
	4.1.1 The overall data analysis	16
	4,1,2 Data analysis depending on the gender	17
	4.1.3 Data analysis depending on the age	19
4	4.2 Results	20
	4.2.1 The overall correct answer percentage	21
	4,2,2 The influence of the gender	21
	4.2.3 The influence of the age	23
	4.2.4 The influence of the school location	24
	4,2,5 The influence of the age and the gender at the same time	25

	4.2.6 The influence of the topic	27
	4.2.6,1 Domestic risk	30
	4.2.6.2 Free sports, game	34
	4.2.6.3 Emergency	37
	4.2.6.4 Life in school and behavior	40
	4.2.6.5 Street (behavior and signals)	43
	4,2,3,6 Technological	45
	4.2.3.7 Chemical (substances, fire and explosion)	47
5.	DISCUSSION	49
	5.1 The effect of the gender	49
	5.2 The effect of the age	50
	5.3 The effect of the school location	51
6.	SUGGESTIONS OF IMPROVING SAFETY AWARENESS	53
	6.1 Strengthen the construction of teachers	53
	6.2 Carry out safety awareness education activities	53
	6.3 Involve parents, family and community members	53
7.	CONCLUSION	54
8.	REFERENCE	55

1. INTRODUCTION

1.1 Background

Safety is a situation where hazards and conditions leading to the physical, psychological or material harm are controlled in order to preserve the health and well-being of individuals and the community depending on INSPQ (WHO Collaborating Center, 1998). Danger is everywhere such as natural disaster, traffic accidents, hazards due to incorrect habits in life and so on. The accidents not only harm people's body but also wound the mind. To reduce risks and hazards it's important to increase people's safety awareness level.

Much money was spent on these accidents around 35,000,000,000 euro in the European Union in 2004 (Battaglia, 2014). This value indicates these accidents cause social economy problems, so UE promoted policies to reduce the accidents since 1989 as the Council Directive 89/391/EEC (1989). INAIL (Italian institution for insurance against accidents) evaluates the Italian domestic accidents in around 3,000,000 (Ferrante, 2012) and some accidents were caused by children.

Not only occupational incidents are tried to be reduced but also safety in the schools is a critical issue. According to the INAIL, there are over 77 thousand reports of injuries to state public school students presented to INAIL in 2018, 1,400 more than the previous year. The increase is equal to 2% and confirms the growth trend started in 2017 (Radazione, 2018).

Different accidents are caused by the lack of safety knowledge. For example, in 2014, during the lesson of physical education, the student climbed onto a railing positioned in the courtyard to access to a skylight. The skylight is covered by a thin Plexiglas, which has been crushed when the student stood on the top of it and it leads to the death of the student (Chiara spagnolo, 2014). If this student had known more about safety knowledge, he would not be dead. Students are the future of the world. If more and more students know the importance of the safety, injuries and death will decrease a lot in the world. To reduce the accidents in the schools in December 16, 2017, INAIL and MIUR (Ministry of Education, University and Research) have promoted a series of initiatives aimed at spreading health and safety at work in schools. Numerous training projects were carried out in 2018 by the regional departments to make teachers and students aware of the culture of health and safety, with a view to overcoming the distances between school and the world of work.

1.2 Literature analysis

To satisfy national regulations and standards about decreasing the occurrence of risks in the schools and in the work more safety awareness was obtained and recognized in literature (Lee & Harrison, 2000). Literature provides several studies on the safety (Choudhry, 2007) in many kinds of work such as: medical sector (Kolade, 2002); Sarawak street food safety (Mizanur Rahman, 2012); Iranian meat

processing (Ansari-Lari, 2010) and so on. Besides these paper about work, there is also lots of literature about safety in the schools which can be found involving many sectors such as: Khairul Ridhwan Rozak (2017) presented an article about the safety level and current situation of safety in the UiTM (Universiti Teknologi MARA); Suzanne& Lindsay (2013) studied the effects on the students due to some measures for increasing safety level in the schools; Linda &Mary (2009) evaluated college students' food safety attitudes, beliefs, and knowledge.

Although some researches have been done to study situation about safety awareness of students and some steps have been adopted to improve students' safety awareness, more studies are needed to investigate the safety culture in schools. In Europe, in order to increase the safety knowledge level and diffuse safety culture among students it's important to teach children some basic safety rules. For this reason, some activities were developed such as "Napo for teachers" (napofilm.net, 2017), "Scuola e sicurezza-School and safety" (Dettoni, 2011) and "A scuola di sicurezza! At safety school!" (Bove, 2002). To further reduce accidents in schools the current situation about safety is still worthy of study. This thesis attempts to investigate the safety knowledge in the schools.

1.3 Methods of this survey

This thesis presents the data on the safety knowledge addressed a sample of Turin students, which were tested through the participation to a simple game. Each student was asked questions randomly and the participants can compete in groups, verifying who could provide the most correct answers. There were 147 questions in total and the questions were divided into two part: "Primary" questions and "Secondary" questions. There were 65 questions ("Primary" questions) for primary school students and 82 questions ("Secondary" questions) for secondary school students. "Primary" questions are a little simpler than "Secondary" questions. All students from five schools at different places of Turin were the participants of this game. The way of game was adopted in order to involve more students in this survey and attract their interest. Each student was asked two or three questions in a random way (the number of asked questions depending on the time and students' willingness) and all data were recorded and analyzed later. More than 900 students participated to the survey. Students (age from 7to 15) including 670 primary school students and 316 secondary school students participated to the safety game, providing meaningful indications on the safety knowledge levels of the students and verify the how much safety information students acquired at the schools. In the following thesis, all data will be shown that was collected and analyzed what represent these data and the difference of correct answer percentage of students in detail.

1.4 The importance of this thesis

The incidents become an economic and social problem (Hamalainen et al., 2006). This survey can know more current situations about safety in the schools. When

students have a complete sense of safety, this is a correct way to promote students thinking and learning. Therefore, a safe and stable school environment can let the student set his mind in an appropriate way. If students know more about safety, they can avoid serious hazards and stay far away from danger. These questions can make students know more safety knowledge and behave right in life. For this reason, the number of injures and death of students due to lack of safety knowledge can decrease. For example, many traffic accidents are caused due to not obey the traffic rules. Depending on the ISTAT (Istituto Nazionale di Statistica), in 2017, 174,933 road accidents occurred in Italy resulting in death or injury with 3,378 deaths (within 30 days) and 246,750 injured. If students know more about traffic rules the number of death and injuries on the traffic accidents can be decreased. Through this thesis current safety awareness situation can be shown and students can know more knowledge about safety and especially those error answers questions can be taught and consolidated in lessons. Keeping schools safe allows children to look forward to being in an encouraging environment that promotes social and creative learning.

2. RESEARCH METHOD AND REASONS

The data collection was acquired by the way of a game. The game can disseminate the safety rules and show the results of this survey on the safety fields. A random approach of selecting two or three questions for each participant was adopted. The number of questions that were asked to the students depending on the time and students' willingness. After each student was asked two questions, if time permitted another question would be provided to those students who were willing to answer more questions. And these answers can be used to investigate the safety knowledge level in the schools.

2.1 Gaming

To learn current situation about students' safety awareness and collect data, the way of the game was adopted. For attracting the interest of these students, a game approach was used which the student had the most correct answers that can won and got some awards. This way can increase students' competitiveness and willingness. During the game the participants are proposed two or three questions on the safety and these questions which were chosen in a random way. These collected data present the diffusion and level of safety awareness of these students. The activity in five schools was implemented. Three primary and two secondary schools are contained. The set of questions includes 147 questions about safety in total and these questions are divided into two parts: "Primary" part and "Secondary" part. The "Primary" part questions are set for primary school students and "Secondary" questions are prepared for secondary students. There are 65 questions in the "Primary" questions and 82 questions in the "Secondary" questions and "Secondary" questions are more difficult than "Primary" questions. These questions contain many aspects like safety rules in the schools, traffic rules, personal safety, properties safety, safety signals and symbols, living habits and so on.

These questions tested the safety knowledge level of the participants. The number of correct and incorrect answers was analyzed later. This safe game and these collected data can be used to carry out a disseminating activity on the safety to improve the safety awareness of the students and especially these incorrect answers can be taught in classes.

2.2 Questions

Two categories of the questions addressed different age students include "Primary" questions which were set for primary school students and "Secondary" questions which were set for secondary school students. The primary school students are almost from seven to ten years old and a few eleven and twelve years old. The secondary school students are from eleven to fifteen years old. The questions allow a multiple-choice: three or four possible answers and only one is correct. For each participant three important information was be collected: firstly, basic general data (like gender, age); secondly, ID code of the question proposed;

thirdly, answers obtained (wrong or right).

2.2.1 "Primary" questions

There were 65 questions set for "Primary" part, covering different safety fields. There were 5 topics in total in the "primary" questions:

- 1. Domestic risk
- 2. Free sports, game
- 3. Emergency
- 4. Life in schools and behavior
- 5. Street (behavior and signals)

These questions present simple part and students have to choose a solution between three choices that they think is right. An example of "Primary" questions is the Figure 1 and the its' solutions are shown in the Figure 2. This example is about the topic of the domestic risk.



Figure 2: One example about domestic risk topic solutions in the primary schools

"When you finish taking a shower and some water is on the floor, what will you do?

A. run immediately to call the mama;

B. start to dress yourself;

C. throw the towels on the floor."

Five students were asked the question and all students gave the right answer.

Depending on this the most students know how to do when face some hidden domestic danger in life like this.

The other example in the "Primary" questions and its' solutions are in the Figure 3 and the Figure 4. This example is about the topic of emergency.



Figure 3: One example about emergency topic in the Primary questions



Figure 4: One example about emergency topic solutions in the Primary questions

"When you feel an earthquake what will you do?

- A. lower yourself and stick it under the table and wait for it to pass;
- B. go to the balance and see what happens;
- C. immediately go down the stairs to get out quickly."

Only two students were asked this question and one student gave the correct answer and the other gave the wrong answer. How to do the right actions when face the immediate disaster is an important aspect to reduce the students' accidents and hazards.

2.2.2 "Secondary" questions

About 82 questions were contained in the "Secondary" part, covering seven safety fields:

- 1. Domestic risk
- 2. Free sports game

- 3. Emergency and basic knowledge of risk
- 4. Life in schools and behavior
- 5. Street (behavior and signals)
- 6. Technological risk
- 7. Chemical (substances, fire, explosion)

An example of "Secondary" question and its solutions are in the Figure 5 and the Figure 6. The first example is about chemical substance.

13) Quali tra queste sostanze può causare un'esplosione violenta?

Figure 5: One example about chemical substance topic in the secondary schools



Figure 6: One example about chemical substance solutions in the secondary schools

"which of these substances can cause a violent explosion?

- A. diesel fuel;
- B. flour;
- C. extra virgin olive oil."

Forty students were asked this question and sixteen students gave right answer and twenty-four students gave wrong answer. The secondary students' safety knowledge was limitation. Flour can explode and it's very dangerous. Teachers highlighted this point in the education lessons to consolidate this knowledge and students may reduce injuries and death due to this aspect.

The other example and its solutions are in the Figure 7 and Figure 8. This example is about free sports and game topic.



Figure 7: One example about the topic of free sports and game in the secondary" schools



Figure 8: One example about the topic of free sports and game solutions in the secondary schools

"If you post a photo or comment on social media after how long it is no longer traceable?

- A. One hour;
- B. One day;
- C. Five years;
- D. until the web collapses."

This question was asked to thirteen students and only two students gave wrong answers. The students in the secondary schools know much knowledge about internet because students may use the internet every day with the rapid development of the network. Students' right answer percentage of the question about social network is higher than upper question about chemical composition properties.

3. DATA COLLECTION

In this section the process of collecting data and tables which were acquired by arranging the collected data from five schools is shown. The information in the tables includes question ID code, general information of each participants and answers obtained. These tables are used to analyze safety awareness level and correct answer percentage difference of students due to the gender, the age or the school location. For example, the Table 1 shows the data collected from one class in the primary schools and Table 2 shows the data collection of one class in the secondary schools. The other class data is shown in the annex.

3.1 Process

Firstly, a lesson about safety was started in each class in the one of the primary schools. Then in the lesson 2 hours were spent to asked each student two or three questions which were selected in the "Primary" questions. Each question has three or four possible answers and each student selected one answer they thought was right and then each student's age, gender, question number and their answers were collected. The tables were used to collect information. Finally, all questions were given to the teachers and taught right answers to the students especially these questions which were given wrong answers. The Table 1 shows the example of collected data of one class in the primary schools.

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	9	F	33	YES	20	YES	12	YES
2	10	М	49	YES	13	YES	40	NO
3	9	F	3	YES	27	YES	44	NO
4	9	F	26	YES	8	NO		
5	9	М	52	YES	42	NO		
6	9	М	28	YES	47	YES		
7	9	F	9	YES	21	NO		
8	9	М	1	NO	7	YES		
9	9	М	47	YES	16	YES		
10	9	F	36	YES	10	YES		
11	9	М	33	YES	5	NO		
12	9	F	49	YES	41	YES		
13	9	F	8	YES	6	NO		
14	10	F	30	YES	29	YES		
15	9	М	42	YES	2	YES		
16	9	М	12	YES	45	YES		
17	9	F	18	YES	40	NO		
18	9	F	7	NO	23	NO		

Table 1: one example of collected data of one class in the primary schools

The Table 2 is shown as an example of collected data of one class in the one of the secondary schools. And the other classes are similar with this.

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	13	М	47	NO	17	NO	74	NO
2	13	М	48	NO	56	YES	6	NO
3	15	F	11	NO	69	NO	61	NO
4	13	F	51	YES	46	YES	65	NO
5	13	F	21	YES	26	YES		
6	13	F	55	YES	52	YES		
7	14	М	54	YES	8	NO	42	NO
8	14	F	19	YES	58	YES	18	NO
9	13	F	69	YES	68	YES		
10	14	F	32	YES	33	NO		
11	14	М	41	YES	3	NO		
12	13	М	70	NO	72	NO	16	NO
13	13	М	14	NO	22	YES	5	NO
14	14	М	29	NO	63	YES	60	NO
15	13	F	2	YES	13	NO	68	YES
16	14	F	9	YES	6	YES	73	YES

Table 2: one example of collected data of one class in the secondary schools

3.2 Analysis of the primary school class

In the example of the primary school class, there are 18 students in this class and these students are primary school students so these students were asked "Primary" questions. There were 3 students who were asked 3 questions and the other 15 students were asked 2 questions. There were 39 questions that were asked and 28 answers were right. The correct answer percentage of this class is 71.8% (Figure 9).



Figure 9: correct answer percentage in one of the primary school classes

There are 10 girls and 8 boys in this class. Boys were asked 17 questions and girls were asked 22 questions. Boys had 13 correct answers and girls had 15 correct answers. Boys have 76.5% correct answers and girls have 68.2% correct answers. In addition, there are 2 ten years old students and 16 nine years old students. Ten years old students were asked 5 questions and nine years old students were asked 34 questions. Ten years old students had 4 correct answers and nine years old students had 24 correct answers. Ten years old students have 80% correct answer percentage and nine years old students have 70.6% correct answer percentage. These data were arranged in the Figure 10 and Figure 11. And the other classes correct answer percentage can be calculated like this.



Figure 10: correct answer divided by gender



Figure 11: correct answer divided by age

By the upper two figures, boys have higher correct answer percentage and the older students have more safety knowledge.

3.3 Analysis of the secondary school class

There are 16 students in this class and these students are secondary school students so these students were asked "Secondary" questions. Eleven students were asked 3 questions and the other five students were asked 2 questions. There were 43 questions that were asked and 21 answers were right. The correct answer percentage of this class is 48.8% (Figure 12).



Figure 12: correct answer percentage in one of the secondary classes

In the similar way, boys have 25.0% correct answers and girls have 69.6% correct answers. In addition, thirteen years old students have 50% correct answer percentage and fourteen years old students have 56.3% correct answer percentage. These data were arranged in the Figure 13 and Figure 14.



Figure 13: correct answer divided by gender



Figure 14: correct answer divided by age

The older students have more safety knowledge like the example class of the primary schools, but girls have higher correct answer percentage. More data need to be analyzed to obtain more accurate results.

4. RESULTS AND ANALYSIS

4.1 Collection data analysis

In this part the distribution of gender, age, question number and corresponding correct answer percentage will be shown. Before comparing the effect of many elements such as gender, age and the school location on the correct answer percentage, the basic analysis about data must be done.

4.1.1 The overall data analysis

There were 986 students from 7 years old to 15 years old who were involved in the game. The specific location and the number of classes and students are presented in the Table 3. There are five schools in total and four schools in the suburbs and only one is in the city center. The first three schools are primary schools and the School 4 is secondary school and School 5 have both primary part and secondary part.

School	Type of school	Location	Number of classes		Number o	Number of students	
School 1	Primary	Suburb	3 Classes		58 Students		
School 2	Primary	Suburb	3 Classes		54 Students		
School 3	Primary	Suburb	9 Classes		197 Students		
School 4	Secondary	Suburb	5 Cla	asses	91 Str	udents	
School 5	Primary and	City center	Primary	Secondary	Primary	Secondary	
	Secondary		17 Classes 12 Classes		361Students	225Students	
Total			49 Classes		986 St	udents	

Table 3: The number of classes and students in each school

The participants were 986 students in the 49 classes in the five schools. Two hours was spent in each class to ask questions so 98 hours were spent to collect data totally. The primary schools have 29 classes which were made up of 670 primary school students. The secondary schools have 316 secondary school students which made up the 17 classes. The question distribution of each school is shown in the Table 4.

		Primary	school	Secondary	condary school		
School	School 1	School 2	School 3	School 5	School 4	School 5	
Question number	146	109	398	792	219	558	2222
Correct answer	108	75	236	485	114	280	1298
number							
Percentage of	58.9%	68.8%	59.3%	61.2%	52.1%	50.2%	58.4%
correct answer							

Table 4: The number of questions and correct answers in each school

The primary schools had 1445 question and among them 904 questions had correct answers so the mean value of correct answer percentage in the primary schools is 62.6%. In the same way in the secondary schools 777 questions were asked and

among them 394 questions were correct so the mean value of the correct answer percentage in the secondary schools is 51.1%. The correct answer percentage is higher in the primary schools than in the secondary schools because the "Primary" questions for the primary school students are simpler than "Secondary" questions for the secondary school students. In total there were 2222 questions that were asked in the survey and among these 1298 answers were correct. The overall correct answer percentage of five schools is 58.4%. The most of the students have basic knowledge of safety but the level needs to be increased.

4.1.2 Data analysis depending on the gender

And then all female and male participant distribution is shown in the Figure 15. There were 472 female participants and 514 male participants in this survey. The male participants are more than female participants.



Figure 15: Gender distribution in five schools

The students were divided into female parts and male parts in each of the school (The Figure 16). Depending on the Figure 16, there were the most students who were involved in the survey in the School 5 and the School 5 includes primary part and secondary part school. The school 1 and the school 2 have the least students and the School 3 have the next most students. Each school has almost equal distribution in gender. The School 3 had a few more female participants and School 4 and the School 5 had more male participants.



Figure 16: gender distribution in each school

The numbers of the female and male participants in the primary schools and the secondary schools are shown in detail in the Table 5. In the primary schools the number of female and male participants is almost distributed equally but there are more male participants in the secondary schools.

Table 5: Students' number distribution depending on the gender in the primary schools and the secondary schools

Primar	y school	Seconda	ry school
Female Male		Female	Male
339	331	133	183

The question distribution depending on the gender in the primary schools is presented on the Table 6. Depending on the Table 6, the number of questions asked and correct answer questions in the primary schools are shown. Each school correct answer percentage was calculated divided into female correct answer percentage and male correct answer percentage. The correct answer percentage of female is always higher than male in the primary schools. F is female participants and M is male participants.

Table 6: The question number distribution divided by the gender in the primary schools

School	Sch	ool 1	School 2		School 2 School 3		School 5	
Gender	F	М	F	М	F	М	F	М
Question number	74	72	55	54	196	202	405	387
Correct answer number	58	50	40	35	126	110	255	230
Percentage of correct answer	78.4%	69.4%	72.7%	64.8%	64.8%	54.5%	63.0%	59.4%

Then in the similar way, the number of asked questions divided by the gender in the secondary schools is shown on the Table 7. The female correct answer is still higher than male.

Table 7: The question number distribution divided by the gender in the secondary schools

School	School 4		School 5	
Gender	F	М	F	М
Question number	113	116	221	327
Correct answer number	59	55	137	152
Percentage of correct answer	52.2%	47.4%	62.0%	46.5%

4.1.3 Data analysis depending on the age

In order to further understand the effect of the age on the safety knowledge, the Table 8 shows the age distribution and the Table 9 shows the number of questions of each age in the primary schools and the number of correct answers.

Table 8: Students' number distribution depending on the age in the primary schools

Participants' age	Age=7	Age=8	Age=9	Age=10	Age=11	Age=12
Number of	3	237	232	169	23	2
students						

Depending on the Table 8, there are 670 students in total in the primary schools and students who are 8 and 9 years old are the major part of participants. The number of students who are 7 and 12 years old is the smallest. To reduce the errors of correct answer percentage, this survey needs more participants who are 7 and 12 years old.

Age	Age=7	Age=8	Age=9	Age=10	Age=11	Age=12
Question	6	545	476	366	48	4
number						
Correct answer	4	307	330	231	29	3
number						
Percentage of	66.7%	56.3%	69.3%	63.1%	60.4%	75%
correct answer						

Table 9: The question number distribution divided by the age in the primary schools

The Table 10 shows the age distribution in the secondary schools and the table 11 shows the number of questions and correct answers of each age in detail in the secondary schools.

Table 10: Students' number distribution depending on the age in the secondary schools

Participants' age	Age=11	Age=12	Age=13	Age=14	Age=15
Number of students	68	63	131	42	10

From the Table 10, there are 316 participants in the secondary schools in total. The number of participants is highest when students are 13 years old and the 15 years old students' number is lowest. The Table 11 shows the questions distribution divided by the age in the secondary schools.

Table 11: The question number distribution divided by the age in the secondary schools

Age	Age=11	Age=12	Age=13	Age=14	Age=15
Question number	150	162	334	104	27
Correct answer	76	72	178	53	15
number					
Percentage of	50.7%	44.4%	53.3%	51.0%	55.6%
correct answer					

Depending on the Table 11, students who are 13 years old were asked the most questions. And 15 years old students have the highest correct answer percentage and 12 years old students have the lowest correct answer percentage.

4.2 Results

In order to investigate the safety culture among students, the following aspects are considered: the overall correct answer percentage; the influence of the gender; the influence of the age and the influence of the school location. To be more clearly to show the effect of the gender, the age and the school location, more figures are needed depending on the upper data collection.

4.2.1 The overall correct answer percentage

Depending on the Table 4, more than 2000 replies were collected and among them 1298 questions had correct answers. The overall correct answer percentage is 58.4%. The majority questions were answered correctly but the correct answer percentage still needs to be increased. In the primary schools the mean value of correct answer percentage is 62.6% and secondary school students' correct answer percentage is 50.7%. It's shown in the Figure 17. The primary school students have higher percentage than the secondary school students because the secondary schools answered more difficult questions than the primary school students.



Figure 17: Correct answer percentage in the primary schools and the secondary schools

4.2.2 The influence of the gender

According to the Figure 7 and the Table 5, the male participants are more than female participants. In the primary school the number of female and male participants was almost equal, however in the secondary schools the number of male participants was more than female participants. Due to the Table 6 and 7, the male and female correct answer percentage in the primary schools is shown in the Figure 18.



Figure 18: Female and male correct answer percentage in the primary schools

In the Figure 18 the female correct answer percentage is higher than male in all schools. From School 1 to the School 3 both female and male correct answer percentage decrease and in the School 3 the female and male correct answer percentage reach the lowest point. In the School 5 the percentage increase a little. Both female and male participants get the highest correct answer percentage in the

School 1.

Due to the Table 6, the mean value of female and male correct answer percentage can be calculated in the primary schools. The mean values of the female and male correct answer percentage in the primary schools are been shown in the Figure 19. Depending on the Figure 19 the female correct answer percentage is higher than male in the primary schools.



Figure 19: Mean correct answer percentage depending on the gender in the primary schools

Then the two secondary school students' correct answer percentage divided by the gender is shown in the Figure 20. Depending on the Figure 20, the female participants have higher correct answer percentage than male in these two schools.



Figure 20: Female and male correct answer percentage in the secondary schools

Due to the Table 7, the mean value of female and male correct answer percentage

in the secondary schools can be calculated. The mean values of the female and male correct answer percentage in the secondary schools are been shown in the Figure 21. Depending on the Figure 21 the female correct answer percentage is still higher than male.



Figure 21 Mean correct answer percentage depending on the gender in the secondary schools

Due to the Figure 19 and the Figure 21, both in the primary school and the secondary school female participants' correct answer percentage is higher than male. In the primary school male and female correct answer percentage is higher than or around 60% except male participants in the School 3, however in the secondary schools only female participants in the School 5 is higher than 60%.

4.2.3 The influence of the age

Due to the Table 8 and Table 9, the students' correct answer percentage of all ages in the primary schools is shown in the Figure 22.



Figure 22: Correct answer percentage divided by the age in the primary schools

Depending on the Figure 22, the 8 years old students have the lowest percentage and students who are 12 years old have the highest percentage. Due to the overall trend, the older students have higher correct answer percentage.

Because the primary schools and secondary school students were asked questions of different difficulty level, the effect of age was divided into two parts: "Primary" parts and "Secondary" part. The effect of the age in the secondary schools is shown in the Figure 23 depending on the Table 11 data collected.



Figure 23: Correct answer percentage divided by age in the secondary schools

Depending on the Figure 23, the older students' correct answer percentage is higher than the younger students in the secondary schools like the primary schools. The 15 years old students have the highest percentage and the percentage reaches the lowest point when the students are 12 years old. Comparing to the Figure 22, students who are 11 and 12 years old have higher correct answer percentage in the primary schools than those students who are 11 and 12 years old in the secondary schools.

4.2.4 The influence of the school location

Then the effect of the school location of the primary schools and the secondary schools is analyzed. Depending on the Table 3, the School 1, the School 2, the School 3 and the School 4 are in the suburbs. The School 5 is in the city center. The different correct answer percentage between the suburban schools and city-center schools is shown in the Figure 24 (primary schools) and the Figure 25 (secondary schools) depending on the data collected in the Table 4.



Figure 24: the influence of the school location in the primary schools

Depending on the Table 4, there were 653 questions that were asked and among these 419 answers were right in the suburban primary schools. There were 792 questions that were asked and among these 485 answers were right in the city-center primary schools. Due to the Figure 23, the suburban school students' correct answer percentage is higher than the city-center schools in the primary schools.

And then the correct answer percentage depending on the school location in the secondary schools is shown in the Figure 25. Depending on the Table 4, the correct answer percentage can be calculated like the primary schools. The suburban school students' correct answer percentage is still higher than city-center schools in the secondary schools.



Figure 25: The influence of the school location in the secondary school

4.2.5 The influence of the age and gender at the same time

In this part the effect of the age and the gender is analyzed at the same time. The female and male participants' correct answer percentage is compared at the same age and in the same way the participants are divided into "Primary" part and "Secondary" part in the Table 12 and Table 13.

Age	Ag	e=7	Ag	e=8	Ag	e=9	Age	=10	Age	=11	Age=	=12
Gender	F	М	F	М	F	М	F	М	F	М	F	М
Number of	4	2	252	293	243	233	206	160	24	24	4	0
questions												
Number of	3	1	156	151	175	155	131	100	17	12	3	0
correct answers												
Percentage of	75.0%	50.0%	61.9%	51.5%	71.0%	66.5%	63.6%	62.5%	70.8%	50.0%	75.0%	0
correct answer												

Table 12: The influence of the age and gender at the same time in the primary schools

Depending on the collection data at the Table 12, The Figure 26 is shown about the male and female participants' correct answer percentage with the increase of the age.



Figure 26: The correct answer percentage depending on the age and gender in the primary schools

The correct answer percentage increase with the increase of the age and the female correct answer percentage is always higher than male.

Table 13: The influence of the age and gender at the same time in the secondary schools

Age	Age	=11	Age	=12	Age	=13	Age	=14	Age	=15
Gender	F	М	F	М	F	М	F	М	F	М
Number of questions	68	72	62	100	173	161	47	57	6	21
Number of correct answers	41	35	32	40	96	82	27	26	5	10
Percentage of correct answer	60.2%	48,6%	51.6%	40.0%	55.5%	50.9%	57.4%	45.6%	85.0%	47.6%

The data was presented in the Figure 27 about the female and male correct answer percentage with the change of the age in the secondary schools. The correct answer percentage of female and male participants still increase with the increase of the age and female correct answer percentage is higher than male.



Figure 27: The correct answer percentage depending on the age and gender in the secondary schools

4.2.6 The influence of the topic

There are 5 topic questions in the primary schools and 7 topic questions in the secondary schools. The "Primary" question topics were involved in the "Secondary" question topics such as domestic risk, free sports and game, emergency, life in school and behavior and street (behavior and signals). The "Secondary" questions have additional topics that are technological risk and chemical (substances, fire and explosion). The questions are grouped into 5 topics in the primary schools that is shown in the Table 14.

	Primary school													
Topic							Question	number						
Domestic	46	21	27	15	1	3	32	18	25	13	44	50	4	26
risk														
Free sport,	39	43	38	34	41	40	33	10	5	45				
game														
Emergency	36	12	37	51	19	14								
Life in	20	48	56	47	29	52	49	7	42	2	53	54		
school and														
behavior														
Street	23	35	30	22	28	16								
(behavior														
and														
signals)														

Table 14: Topics in the primary schools

The table 14 shows the number of the questions about domestic risk is the most and the number of the questions about emergency and street is the least.

The topic distribution in the primary schools and each topic correct answer percentage are shown in the Table 15.

Торіс	Number of questions	Number of correct answers	Correct answer percentage
Domestic risk	297	197	66.3%
Free sports, game	323	183	56.7%
Emergency	220	108	49.1%
Life in school and behavior	473	334	70.6%
Street (behavior and signals)	122	82	67.2%

Table 15: Correct answer percentage is divided by the topics in the primary schools

To present the correct answer percentage difference more clearly, the percentage in the primary schools is shown in the Figure 28. Depending on the Figure 28, the correct answer percentage of the topic of the life in the school is the highest and the topic of the emergency is the lowest. The safety knowledge about emergency needs to be emphasized in the safety education lessons. The correct answer percentage about the topics of domestic risk and street is almost equal.



Figure 28: Five topic correct answer percentage in the primary schools.

In the secondary schools, the questions are grouped into 7 topics that is shown in the Table 16. The first five topics are the similar with the "Primary" question topics but the difficulty level is higher than "Primary" questions. The other two topics are about technological and chemical substances. The questions are more difficult than "Primary" questions. Depending on the Table 16, the number of the questions about the emergency and basic knowledge of risk and chemical substances is the highest and the number of the questions about street (behavior and signals) is the lowest.

							Sec	condar	y scho	ols									
Topics									Ques	tion n	umber								
Domestic risk	42	44	35	47	53	37	51												
Free sports,	38	50	46	49	50														
game																			
Emergency and	55	15	14	43	20	74	24	41	11	32	61	73	69	70	72	59	56	57	
basic																			
knowledge of																			
risk																			
Life in school	34	39	36	31	58	28	40	33	22										
and behavior																			
Street (behavior	54	48	45	71															
and signals)																			
Technological	23	64	66	65	68	63	16	17	30	62	29	67							
Chemical	1	2	25	26	12	9	60	5	6	19	4	3	10	8	7	27	21	18	13
(substances,																			
fire, explosion)																			

Table 16: Topics in the secondary schools

In the Table 17, the number of questions and correct answer percentage in the secondary schools is shown in detail. Depending on the Table 17, the questions about domestic risk have the highest correct answer percentage and the questions about chemical substances have the lowest percentage.

Table 17: Correct answer percentage is divided by the topics in the secondary schools

Торіс	Number of questions	Number of correct answers	Correct answer percentage
Domestic risk	80	57	71.3%
Free sports, game	40	25	62.5%
Emergency and basic	169	89	52.7%
knowledge of risk			
Life in school and behavior	77	34	44.2%
Street (behavior and signals)	32	27	84.4%
Technological	140	83	59.3%
Chemical (substances, fire,	239	104	43.5%
explosion)			

In order to compare each topic's correct answer percentage, the Figure 29 shows

each topic's correct answer percentage. Depending on the Figure 29, the first five topics are the same with the primary school questions' topics. Except the topic of the life in schools and behavior, the other four topics have higher correct answer percentage in the secondary schools. In the primary schools, the topic of life in school and behavior has the highest correct answer percentage, however the topic of life in school and behavior has the lowest correct answer percentage in the secondary schools. The highest correct answer percentage in the secondary schools is higher than the highest correct answer percentage in the primary schools, comparing the Figure 28 and Figure 29. The lowest correct answer percentage in the primary schools is lower than the lowest correct answer percentage in the primary schools.



Figure 29: Seven topics correct answer percentage in the secondary schools

4.2.6.1 Domestic risk

In order to know the influence of the topics better, the correct answer percentage difference depending on the gender and age is analyzed. The number of the questions about domestic risk and the number of correct answers in the primary schools divided by the gender are shown in the Table 18 and the correct answer percentage is shown in the Figure 30.

~		1 2
Gender	Female	Male
Number of questions	150	147
Number of correct answers	100	97
Correct answer percentage	66.7%	66.0%

Table 18: Question distribution about domestic risk in the primary schools

Depending on the Table 18, the questions are distributed equally divided by the gender. The female participants have higher correct answer percentage than the

male participants. To compare the correct answer percentage difference better, the Figure 30 shows the percentage. The gap of the correct answer percentage between the male and female participants in the primary schools is 0.7%.



Figure 30: Correct answer percentage of domestic risk questions divided by the gender in the primary schools

And then the correct answer percentage depending on the age will be analyzed. In the Table 19, the question about domestic risks distribution and correct answer number are shown in the Table 19. And the Figure 31 shows the correct answer percentage depending on the age.

Table 19: Question of domestic risk distribution depending on the age in the primary schools

Age	Age=7	Age=8	Age=9	Age=10	Age=11	Age=12
Number of	0	116	111	46	15	0
questions						
Number if	0	70	68	29	10	0
correct answers						
Correct answer	0	60.3%	61.2%	63.0%	66.7%	0
percentage						

Depending on the Table 19, the primary school students who are 7 and 12 years old were not asked the questions about domestic risks in the primary schools. The students who are 11 years old gave the most correct answers and the correct answer percentage increase with the increase of the age in the primary students. The results are the same with the upper part. The figure 31 shows the change trend with the age more clearly. Depending on the Figure 31, the gap of the correct answer percentage between the students who are 10 years old and 11 years old is the



biggest and the gap between the students who are 8 and 9 years old is the smallest.

Figure 31: Correct answer percentage of domestic risk divided by the age in the primary school

In the secondary schools, the question distribution divided by the gender of domestic risks is shown in the Table 20 and the Figure 30 shows the correct answer percentage divided by the gender.

Table 20: Question of domestic risk distribution depending on the gender in the secondary schools

Gender	Female	Male
Number of questions	30	50
Number of correct answers	27	30
Correct answer percentage	90.0%	60.0%

Depending on the Table 20, the female participants have higher correct answer percentage than male. The Figure 32 shows the correct answer percentage difference divided by the gender in the secondary schools about domestic risk more clearly. The gap of the correct answer percentage between the female and male participants in the secondary schools is 30%. It's much bigger than the primary schools.



Figure 32: Correct answer percentage of domestic risk questions divided by the gender in the secondary schools

The question distribution divided by the age is shown in the Table 21 and the Figure 33 shows the correct answer percentage change trend with the increase of the age.

Table 21: Question of domestic risk distribution depending on the age in the secondary schools

Age	Age=11	Age=12	Age=13	Age=14	Age=15
Number of questions	18	15	30	10	3
Number if correct answers	10	9	26	8	2
Correct answer percentage	55.6%	60.0%	86.7%	80.0%	66.7%

Depending on the Table 21, the students who are 13 years old gave the most correct answers and the students who are 11 years old got the lowest correct answer percentage. Due to the Figure 33, the correct answer percentage increase with the age in general.



Figure 33: Correct answer percentage of domestic risk divided by the age in the secondary school

4.2.6.2 Free sports, game

Secondly, the analysis of the questions about free sports and game will be done. In the primary schools the question distribution divided by the gender is shown in the Table 22. The correct answer percentage difference in the primary schools divided by the gender is shown in the Figure 34. The Table 22 shows the male participants have a little higher correct answer percentage than the male participants. The Figure 34 shows the percentage more clearly.

Table 22: Question of free sports and game distribution depending on the gender in the primary schools

Gender	Female	Male
Number of questions	160	163
Number of correct answers	90	93
Correct answer percentage	56.3%	57.1%



Figure 34: Correct answer percentage of free sports and game questions divided by the gender in the primary schools

Then the question distribution divided by the age in the primary schools is shown in the Table 23 and correct answer percentage is shown in the Figure 35.

Table 23: Question of free sports and game distribution depending on the age in the primary schools

Age	Age=7	Age=8	Age=9	Age=10	Age=11	Age=12
Number of	6	115	98	92	12	0
questions						
Number if	4	76	68	58	8	0
correct answers						
Correct answer	66.7%	66.1%	69.4%	63.0%	66.7%	0
percentage						

Depending on the Table 23, the students who are 9 years old have the highest correct answer percentage about the free sports and game. The students who are 12 years old were not asked questions about free sports and game.



Figure 35: Correct answer percentage of free sports and game divided by the age in the primary schools

Then in the secondary the same analysis will be done. The Table 24 shows the questions about free sports and game distribution divided by the gender and the Figure 36 shows the correct answer percentage divided by the gender in the secondary schools.

Table 24: Question of free sports and game distribution depending on the gender in the secondary schools

Gender	Female	Male	
Number of questions	15	25	
Number of correct answers	10	15	
Correct answer percentage	66.7%	60.0%	


Figure 36: Correct answer percentage of free sports and game questions divided by the gender in the secondary schools

Depending on the Table 24 and the Figure 36, the female has higher correct answer percentage.

Then the Table 25 and the figure 37 shows the correct answer percentage divided by the age in the secondary schools about the questions of free sports and game.

Table 25: Question of free sports and game distribution depending on the age in the secondary schools

Age	Age=11	Age=12	Age=13	Age=14	Age=15
Number of	12	10	20	6	2
questions					
Number if correct	4	4	15	4	2
answers					
Correct answer	33.3%	40.0%	75%	66.7%	100%
percentage					



Figure 37: Correct answer percentage divided by the age in the secondary schools

Due to the Table 25 and the Figure 37, the correct answer percentage increase with the age increasing. The students who are 15 years old has the highest percentage and the students who are 11 years old has the lowest correct answer percentage.

4.2.6.3 Emergency

Thirdly, the topic of emergency will be analyzed. In the primary schools, the question distribution about emergency is shown in the Table 26 and the Figure 38 shows the gender division.

Table 26: Question of emergency distribution depending on the gender in the primary schools

Gender	Female	Male	
Number of questions	112	108	
Number of correct answers	58	50	
Correct answer percentage	51.7%	46.3%	



Figure 38: Correct answer percentage of emergency questions divided by the gender in the primary schools

Depending on the Table 26 and the Figure 38, the questions about emergency are almost distributed equally between the female and male participants and the correct answer percentage of female participants is higher than the male participants. Then the question distribution divided by the age is shown in the Table 27 and the correct answer percentage about emergency of each age in the primary schools is shown in the Figure 39.

Age=7 Age=8 Age=9 Age=10 Age=11 Age=12 Age 0 7 Number of 78 65 66 4 questions 0 4 3 Number if 42 38 38 correct answers 0 57.1% Correct answer 53.8% 58.4% 57.6% 75% percentage





Figure 39: Correct answer percentage of emergency divided by the age in the primary schools

Depending on the Table 27 and the Figure 39, the students who are 12 years old has the highest correct answer percentage and the students who are 8 years old gave the lowest correct answer. The correct answer percentage increase with age.

In the secondary the Table 28 shows the question distribution and the Figure 40 shows the correct answer percentage divided by the gender.

Table 28: Question of emergency distribution depending on the gender in the secondary schools

Gender	Female	Male
Number of questions	69	100
Number of correct answers	40	49
Correct answer percentage	58.0%	49.0%



Figure 40: Correct answer percentage of emergency questions divided by the gender in the secondary schools

Due to the Table 28 and the Figure 40, the female correct answer percentage is higher than male and the male participants answered more questions about emergency.

For the age effect the Table 29 and the Figure 41 shows the question distribution and correct answer percentage about emergency divided by the age in the secondary schools. The students who are 15 years old have the highest correct answer percentage and the students who are 11 years old have the lowest correct answer percentage.

Table 29: Question of emergency distribution depending on the age in the secondary schools

Age	Age=11	Age=12	Age=13	Age=14	Age=15
Number of	30	32	56	41	4
questions					
Number if correct	10	12	32	30	3
answers					
Correct answer	33.3%	37.5%	57.1%	73.2%	75%
percentage					



Figure 41: Correct answer percentage of emergency divided by the age in the secondary schools

4.2.6.4 Life in school and behavior

The questions about life in school and behavior are analyzed divided by the gender and the age in the primary schools and secondary schools respectively. The Table 30 and the Figure 42 shows the question distribution and correct answer percentage divided by the gender in the primary schools.

Table 30: Question of life in school and behavior distribution depending on the age in the primary schools

Gender	Female	Male
Number of questions	235	238
Number of correct answers	170	166
Correct answer percentage	72.3%	69.7%

Depending on the Table 30 and Figure 32, the questions are distributed equally between female and male participants and the female participants have more correct answers.



Figure 42: Correct answer percentage divided by the age in the primary schools

The questions about life in school and behavior distribution and correct answer percentage divided by the age in the primary schools are shown in the Table 31 and Figure 43. The students who are 9 years old have the highest correct answer percentage and the students who are 10 years old have the lowest correct answer percentage.

Age	Age=7	Age=8	Age=9	Age=10	Age=11	Age=12
Number of	0	172	147	142	12	0
questions						
Number if	0	140	120	92	8	0
correct answers						
Correct answer	0	81.4%	81.6%	64.8%	66.7%	0
percentage						

Table 31: Question of life in school and behavior distribution depending on the age in the primary schools



Figure 43: Correct answer percentage of life in school and behavior divided by the age in the primary schools

In the secondary schools the question distribution about life in school and behavior and correct answer percentage divided by the gender are shown in the Table 32 and the Figure 44.

Table 32: Question of life in school and behavior distribution depending on the gender in the secondary schools

Gender	Female	Male	
Number of questions	30	47	
Number of correct answers	15	19	
Correct answer percentage	50.0%	40.4%	



Figure 44: Correct answer percentage divided by the age in the secondary schools

The female participants gave more correct answers than male. The Table 33 and the Figure 45 show the question distribution and correct answer percentage divided by the age in the secondary schools.

Table 33: Question of life in school and behavior distribution depending on the age in the secondary schools

Age	Age=11	Age=12	Age=13	Age=14	Age=15
Number of	17	16	29	12	3
questions					
Number if correct	7	8	16	7	2
answers					
Correct answer	41.2%	50.0%	55.2%	58.3%	66.7%
percentage					



Figure 45: Correct answer percentage divided by the age in the secondary schools

The students who are 15 years old have the highest correct answer percentage and the students who are 11 years old have the lowest correct answer percentage. The correct answer percentage increase with the age.

4.2.6.5 Street (behavior and signals)

In order to analyze the influence of the topic of the street (behavior and signals), the Table 34 and the Figure 46 show the question distribution and correct answer percentage divided by the gender in the primary schools.

Table 34: Question of street (behavior and signals) distribution depending on the gender in the primary schools

Gender	Female	Male
Number of questions	75	57
Number of correct answers	61	21
Correct answer percentage	81.3%	36.8%



Figure 46: Correct answer percentage of street (behavior and signals) divided by the age in the primary schools

Table 35: Question of street (behavior and signals) distribution depending on the age in the primary schools

Age	Age=7	Age=8	Age=9	Age=10	Age=11	Age=12
Number of	0	64	55	2	1	0
questions						
Number if	0	42	37	2	1	0
correct						
answers						
Correct answer	0	65.6%	67.3%	100.0%	100.0%	0
percentage						

The female participants' correct answer percentage is higher than male participants and the Table 35 and the Figure 47 show the effect of the age in the primary schools



Figure 47: Correct answer percentage of street (behavior and signals) divided by the age in the primary schools

The students who are 10 and 11 years old have the highest correct answer percentage and the students who are 8 years old have the least correct answer percentage. In secondary schools, the Table 36 and the Figure 38 show the effect of the gender in the secondary schools.

Table 36: Question of street (behavior and signals) distribution depending on the gender in the secondary schools

Gender	Female	Male
Number of questions	16	16
Number of correct answers	14	13
Correct answer percentage	87.5%	81.3%



Figure 48: Correct answer percentage divided by the gender in the secondary

The female participants gave more correct answer than male participants like others. In order to analyze the effect of age, the Table 37 and the Figure 49 shows the question distribution and correct answer percentage divided by the age in the secondary schools.

Table 37: Question of street (behavior and signals) distribution depending on the age in the secondary schools

Age	Age=11	Age=12	Age=13	Age=14	Age=15
Number of	5	5	18	3	1
questions					
Number if correct	2	3	14	2	1
answers					
Correct answer	40.0%	60.0%	77.8%	66.7%	1%
percentage					



Figure 49: Correct answer percentage of street (behavior and signals) divided by the age in the secondary schools

The students who are 15 years old students have much higher correct than the students who are 11 years old. In general, the correct answer percentage increase with the age.

4.2.3.6 Technological

The table 38 and the Figure 50 show the effect of the gender for the topic of technological. This topic was only used in the secondary schools.

Table 38: Question of technological distribution depending on the gender in the secondary schools

Gender	Female	Male
Number of questions	70	70
Number of correct answers	40	43
Correct answer percentage	57.1%	61.4%



Figure 50: Correct answer percentage of technological divided by the age in the secondary schools

Table 39: Question of technological distribution depending on the age in the secondary schools

Age	Age=11	Age=12	Age=13	Age=14	Age=15
Number of	30	28	48	28	6
questions					
Number if correct	9	16	32	22	4
answers					
Correct answer	30.0%	57.1%	66.7%	78.6%	66.7%
percentage					

For this part the female participants have lower correct answer percentage than male. The Table 39 and the Figure 51 show the effect of age in the secondary schools.



Figure 51: Correct answer percentage of technological divided by the age in the secondary school

The students who are 14 years old have the highest correct answer percentage and the students who are 11 years old have the lowest correct answer percentage. Although the 15 years old students' correct answer percentage is lower than 14 years old students, the correct answer percentage increase with the age as a whole.

4.2.3.7 Chemical (substances, fire and explosion)

Table 40: Question of chemical (substances, fire and explosion distribution) depending on the gender in the secondary schools

Gender	Female	Male
Number of questions	104	135
Number of correct answers	45	59
Correct answer percentage	43.3%	43.7



Figure 52: Correct answer percentage of technological divided by the gender in the secondary schools

The Table 40 and the Figure 52 show the effect of gender for the question of chemical. Depending on the Table 40, the male participants answer more questions than female participants The male participants have more correct answers than female participants.

Table 41: Question of chemical (substances, fire and explosion) distribution depending on the age in the secondary schools

Age	Age=11	Age=12	Age=13	Age=14	Age=15
Number of	38	56	133	4	8
questions					
Number if correct	17	22	68	3	4
answers					
Correct answer	44.7%	36.3%	51.1%	75.0%	50.0%
percentage					

The Table 41 shows the question distribution divided by the age in the secondary schools and the Figure 53 shows the correct answer percentage divided by the age.



Figure 53: Correct answer percentage divided by the age in the secondary schools

The students who are 14 years old have the highest correct answer percentage and the students who are 12 years old have the lowest correct answer percentage. In a word, in the most cases the female participants have higher correct answer percentage than male and the correct answer percentage increase with the age.

5. **DISCUSSION**

According to the data collected, the correct answer percentage can be calculated and the difference of percentage between different age, gender and schools is compared. According to the figures in the thesis, non-negligible difference exists between different ages, gender and schools' locations. In the aspect of the gender, the female participants have higher correct answer percentage than the male. Due to the effect of the school location, the students in the suburban schools have higher safety knowledge than the city canter school students. For the effect of the age of the students, the older students have more safety knowledge. In the following the effect of each element on the safety awareness of the students is discussed and the gender gap with the increase of the age of the students will be further analyzed.

5.1 The effect of the gender

The correct answer percentage depending on the gender is analyzed. In order to verify the conclusion, students were divided into two categories (primary school students and secondary school students). And female correct answer percentage was compared with male correct answer percentage in primary and secondary schools respectively. The data shows female participants showed a more in-depth safety knowledge than male. These analysis results from the test underline that the population know the basis of the safety knowledge but the level needs to be increased to reach a sufficient quality and diffusion of knowledge for all students. Depending on the Figure 26, the gender gap in the primary schools with the change of the age was shown in the Figure 54. It shows the gender gap in the primary schools. The gender gap is the female correct answer percentage minus male correct answer percentage. It represents how the gender affects the correct answer percentage with the increase of the age.



Figure 54: Gender gap in the primary schools

In the primary schools the gender gap reaches the lowest point when students are 10 years old. Depending on the Figure 27, the gender gap in the secondary schools with the change of the age is shown in the Figure 55.



Figure 55: Gender gap in the secondary schools

In the secondary schools the gender gap is smallest when students are 13 years old. The gender gap reaches the highest point when the students are 15 years old.

5.2 The effect of the age

The difference of students' safety awareness level on the effect of age is compared and in the "Primary" part, the mean value of safety knowledge is higher than "Secondary" part because the primary school students were asked more difficult questions than the secondary school students. The Figure 56 and the Figure 57 represent the primary school and secondary school student correct answer percentage change with the increase of the age respectively.



Figure 56: The effect of the age on the correct answer percentage in the primary schools



Figure 57: The effect of the age on the correct answer percentage in the secondary schools

In the primary schools the highest correct answer percentage is obtained when the students are 12 years old and the lowest point is achieved when the students are 8 years old. In the secondary schools the students who are 15 years old have the highest correct answer percentage and the students who are 12 years old have the lowest correct answer percentage. In the primary schools and secondary schools, the percentage increase with the age.

The primary school students' mean correct answer percentage is higher than the secondary school students. This result may prove that the schools and parents pay more and more attention to safety education and infuse safety awareness from childhood for children. The primary schools have more activities to develop safety awareness. More children are aware of the importance of the safety and trend to behavior right and safely. With more activities about safety are conducted in the schools, the trend increase. In the primary schools and the secondary schools, the older participants gave more correct answers than the younger ones. The older students have more safety knowledge than the younger.

5.3 The effect of the school location

There are four schools are in the suburbs and one school is in the city center in the five schools. In the Primary schools the students in the outskirts gave more correct answers than in the city center. And the secondary schools have a similar result. The suburban schools have higher correct answer percentage than the city-center schools in this thesis. The Figure 58 shows the effect of the school location in the primary schools and the the Figure 59 shows the effect of the location in the secondary schools.



Figure 58: School location effect in the primary schools



Figure 59: School location effect in the secondary schools

The suburban school students have more safety knowledge than the city-center school students. Maybe in the suburban schools the students pay more attention to the safety problems and the teachers focus more on the safety awareness education. The correct answer percentage of the primary schools is higher than the secondary schools. The secondary school students have lower correct answer percentage because the "Secondary" questions which were used in the secondary schools are more difficult. Depending on the Table 4, in the primary schools, the gap of the correct answer percentage between the suburban schools and city-center schools is 3% (the correct answer percentage of the suburban schools minus the correct answer percentage of the suburban schools minus the correct answer percentage of the suburban schools minus the secondary schools. The gap due to the school location is bigger in the primary schools than the secondary schools.

6. SUGGESTIONS OF IMPROVING SAFETY AWARENESS

As described by this thesis, the increase of the safety awareness is very important for students' developing. More methods will be used and more and more efforts are made to promote safety education. This part will propose some ways to improve safety awareness.

6.1 Strengthen the construction of teachers

If teachers update and innovate safety education methods continuously, students would acquire more safety knowledge. Strengthen the construction of teachers to meet the requirements of school safety education. Teachers should know laws, regulations and important principle well to ensure the quality of safety education and they understand modern teaching strategies. The schools should hold lectures on safety education for teachers or organize safety training activities to communicate, learn and strengthen the theoretical safety teaching. The lectures should be hold at regular intervals about safety education and the methods to improve safety awareness of the students.

6.2 Carry out safety awareness education activities

The related textbooks, courses, practices and examinations should be appeared in schools. The schools should use network platform to strengthen propaganda. We should build related website to let students know more cases through online publicity. Learning more knowledge can help improve the safety consciousness of students. The schools should start projects about safety every four months. For example, a competition about safety knowledge can be held, each class choose 10 students to form a group and the class that gives the most correct answers will acquire rewards. The safety knowledge that is taught in class is put into practice to ensure that students can respond effectively in life.

6.3 Involve parents, family and community members

Parents and family members are vital members of the school community. If everyone conveys the same message about education, the students can get that message. Parents and family members should collaborate to supervise students' behaviour. For example, the parents and the teachers make an appointment if possible. In the meeting, parents should communicate with the teachers about the children's behavior in home and the teachers make some suggestions to correct the students' incorrect behaviour. Parents and family members regulate their own behavior and set an example for their children.

7. CONCLUSION

This thesis presents the data on the safety knowledge addressed a sample of Turin students, which were tested through the participation to a simple game. Each participant was asked questions randomly and the participants can compete in groups, Through the thesis the level of safety awareness of students and more information about students' safety culture can be shown. Depending on these questions the overall condition of these five schools and which aspect of safety knowledge is the weakness of these students is shown. And teachers can carry out a targeted teaching about safety in the safety education lessons for students.

The difference between different schools can be compared and the elements of affecting the safety awareness level can be investigated. Depending on this thesis, the following conclusions can be obtained.

In the primary schools and secondary schools, the female participants have more safety knowledge percentage, In the primary schools the 10 years old students have the smallest gender gap. In the secondary schools the 13 years old students have the smallest gender gap.

In the primary and secondary schools, with the increase of the age of the students, the correct answer percentage also increase. The older students have more safety knowledge.

In the primary schools and the secondary schools, the suburban school students have higher correct answer percentage than city-center school students.

The primary school students have higher correct answer percentage than the secondary school students because of simpler questions are used in the primary schools.

In the primary schools the students gave the least correct answer percentage of the questions of the topic about emergency. The topic about life in school and behavior has the highest correct answer percentage. In the secondary schools the topic about life in the schools and behavior has the lowest correct answer percentage and the topic about the street (behavior and signals) has the highest correct answer percentage.

These analysis results from the test underline that the population know the basis of the safety knowledge but the level needs to be increased to reach a sufficient quality and diffusion of knowledge for all students.

Student safety education should be implemented according to the learning situation of students. Safety education plays an important role in improving students' safety consciousness. Not only teachers but also the students' parents pay more attention the safety education. The teachers and the parents improve their safety knowledge and education methods. They set examples to the students and the students can imitate their actions.

8. REFERENCE

Lee T., Harrison K., 2000. Assessing safety culture in nuclear power stations. Safety Science 34(1-3). 61-97.

P.Ceola., 2010. Tracce di sicurezza-Percorsi educat8nivo-didattici per la scuola, MIUR-USR per il Veneto.

Khairul Ridhwan Rozak., 2017. A study of safety level for UiTM Shah Alam student / Khairul Ridhwan Rozak.

Radazione., 2018.https://www.inail.it/cs/internet/comunicazione/news-ed-eventi/news/news-dati-inail-scuola-2019.html.

Suzanne& Lindsay., 2013. Perceived School Safety: The Impact of School Security Measures.

Linda &Mary., 2009. Food Safety Educational Intervention Positively Influences College Students' Food Safety Attitudes, Beliefs, Knowledge, and Self-Reported Practices.

Bove E., Rocca G, Peracchi M.,2002. A scuola di sicurezza! Milano, Regione Lombardia.

Dettoni L.2011. Scuola e sicurrezza: dall'esperienza di un lavoro in rete raccomandazioni pratiche e support della progettazione. Pienerolo: Centro

Regionale di Documentazione. Pienerolo: Centro Regionale di Documentazione per la Promoozione della Salute.

Nepofilm.net 2017, https://www.napofilm.net/en/using-napo/napo-for-teachers access, 24/11/2017.

Battaglia M., Frey M., Passetti E. 2014. Accidents at work and costs analysis: a field study in a large Italian company. Industrial Health 52.354-366.

Ferrante P., Massari S., Buresti G., Iavicoli S., 2012. Infortuni Domestici: epidemiologia del fenomeno ed approfondimenti sulla popolazione infortunata. Milano INAIL.

Kolade E.S. 2002. Injection safety: knowledge and practice among health workers. West African journal of medicine 21 (1). 70-73.

Mizanur rahman. 2012. Food Safety Knowledge, Attitude And Hygiene Practices Among The Street Food Vendors In Northern Kuching City Sarawak.

Ansari-Lari M., Soodbakhsh S., Lakzadeh L., 2010. Knowledge, attitudes and practices of workers on food hygienic practices in meat processing plants in Fars, Iran. Food Cintrol 21(3). 260-263.

Choudhry R., Fang D., Sherif M., 2007. The nature of safety culture: A survey of the state-of-the-art. Safety Science.

ISTAT 2017, https://www.istat.it/en/archivio/219652 iatat

9. Annex

School 1:

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	9	F	33	YES	20	YES	12	YES
2	10	М	49	YES	13	YES	40	NO
3	9	F	3	YES	27	YES	44	NO
4	9	F	26	YES	8	NO		
5	9	М	52	YES	42	NO		
6	9	М	28	YES	47	YES		
7	9	F	9	YES	21	NO		
8	9	М	1	NO	7	YES		
9	9	М	47	YES	16	YES		
10	9	F	36	YES	10	YES		
11	9	М	33	YES	5	NO		
12	9	F	49	YES	41	YES		
13	9	F	8	YES	6	NO		
14	10	F	30	YES	29	YES		
15	9	М	42	YES	2	YES		
16	9	М	12	YES	45	YES		
17	9	F	18	YES	40	NO		
18	9	F	7	NO	23	NO		
PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	8	F	37	YES	10	NO		
2	8	М	42	NO	44	YES		
3	8	F	38	NO	9	YES		
4	8	М	33	YES	19	NO		
5	8	F	15	YES	49	NO		
6	8	М	25	YES	8	YES		
7	8	F	3	NO	1	YES		
8	8	F	7	YES	32	YES	51	YES
9	8	М	14	NO	39	YES	10	NO
10	8	М	12	YES	53	NO		

7	8	F	3	NO	1	YES		
8	8	F	7	YES	32	YES	51	YES
9	8	М	14	NO	39	YES	10	NO
10	8	М	12	YES	53	NO		
11	8	F	48	YES	20	YES		
12	8	М	21	YES	5	NO		
13	8	М	13	NO	36	NO		
14	8	М	42	YES	52	YES	2	NO
15	8	М	9	YES	5	NO	37	NO
16	8	М	16	NO	41	YES	19	YES
17	8	F	35	YES	22	YES	45	YES
18	8	F	38	YES	18	NO	44	NO
19	8	F	14	NO	23	YES	43	YES

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	9	М	39	NO	48	YES	52	YES
2	10	F	33	YES	20	NO	5	NO
3	10	М	15	NO	13	YES	16	NO
4	9	F	21	NO	49	NO		
5	9	F	36	YES	3	NO		
6	9	F	8	YES	1	NO		
7	9	F	7	NO	22	YES		
8	9	F	41	YES	40	YES	49	YES
9	9	F	6	NO	52	YES	14	YES
10	9	F	18	NO	12	YES	45	NO
11	10	F	10	YES	23	NO		
12	10	М	42	YES	4	NO		
13	9	М	33	YES	37	NO		
14	9	М	38	YES	2	NO		
15	9	М	15	YES	19	NO	27	NO
16	9	М	8	NO	44	YES	20	YES
17	9	М	7	NO	39	YES	5	NO
18	9	F	3	YES	40	YES	33	YES
19	10	М	12	YES	41	YES	6	YES
20	9	М	10	NO	1	YES	49	YES
21	9	М	48	YES	42	NO	13	YES

School 2:

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	8	F	3	YES	33	YES
2	8	М	2	YES	6	YES
3	8	F	42	NO	54	YES
4	8	М	38	YES	52	YES
5	9	F	14	NO	1	YES
6	8	М	15	NO	49	YES
7	8	М	7	YES	37	YES
8	8	F	13	NO	41	NO
9	8	F	16	NO	45	YES
10	8	М	48	YES	28	YES
11	8	М	5	NO	44	YES
12	8	F	8	YES	12	YES
13	8	F	40	NO	52	YES
14	8	F	10	YES	33	YES
15	8	F	3	NO	42	YES
16	8	М	6	YES	38	NO
17	9	М	19	YES	49	YES
18	8	F	53	YES	20	YES
19	8	М	7	YES	2	YES

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	9	F	13	NO	42	YES	38	YES
2	8	F	5	NO	7	NO		
3	8	F	16	YES	49	YES		
4	9	F	46	YES	53	YES		
5	9	М	18	NO	32	NO		
6	8	М	19	YES	52	YES		
7	8	М	8	YES	14	NO		
8	8	F	21	YES	12	YES		
9	8	М	40	NO	15	NO		
10	8	F	10	YES	33	YES		
11	9	F	24	YES	36	YES		
12	7	М	42	NO	44	YES		
13	8	F	30	YES	50	YES		
14	8	М	7	YES	49	NO		
15	9	F	8	YES	41	YES		
16	7	F	12	YES	22	YES		
17	8	F	13	NO	9	YES		
18	8	F	43	YES	40	NO		
19	7	F	16	YES	23	NO		
20	8	М	10	NO	39	NO		

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	8	F	3	YES	33	YES
2	8	М	2	YES	6	YES
3	8	F	42	NO	54	YES
4	8	М	38	YES	52	YES
5	9	F	14	NO	1	YES
6	8	М	15	NO	49	YES
7	8	М	7	YES	37	YES
8	8	F	13	NO	41	NO
9	8	F	16	NO	45	YES
10	8	М	48	YES	28	YES
11	8	М	5	NO	44	YES
12	8	F	8	YES	12	YES
13	8	F	40	NO	52	YES
14	8	F	10	YES	33	YES
15	8	F	3	NO	42	YES
16	8	М	6	YES	38	NO
17	9	М	19	YES	49	YES
18	8	F	53	YES	20	YES
19	8	М	7	YES	2	YES

School 3:

	PARTICIPANT	AGE	GENDER	QUESTION	ANSWERR	QUESTION	ANSWER
	1	8	F	34	YES	33	NO
	2	8	М	27	NO	40	NO
	3	8	F	15	YES	7	YES
	4	9	М	44	YES	45	NO
	5	8	F	5	YES	41	YES
	6	8	М	35	NO	16	NO
	7	8	F	8	NO	36	NO
	8	8	М	22	NO	49	NO
	9	9	F	56	NO	3	YES
	10	8	М	43	YES	29	NO
	11	8	F	46	NO	6	NO
	12	8	М	2	YES	47	YES
	13	8	F	32	NO	12	YES
	14	8	М	23	NO	42	NO
	15	8	М	37	NO	13	NO
	16	8	М	21	NO	1	NO
	17	8	М	30	NO	48	NO
	18	9	F	39	NO	52	NO
	19	8	М	10	NO	14	YES
	20	8	F	19	YES	9	NO
	21	8	М	33	YES	15	YES
	22	8	F	40	YES	41	YES
	23	9	М	7	NO	16	YES
-							
P.	ARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
L	1	9	F	18	NO	44	YES
	2	9	М	19	NO	49	NO
	3	9	F	20	NO	30	YES
L	4						
	4	10	F	21	NO	53	YES
L	5	10 9	F M	21 22	NO NO	53 38	YES YES
	4 5 6	10 9 9	F M M	21 22 23	NO NO NO	53 38 33	YES YES YES
	4 5 6 7	10 9 9 9	F M M F	21 22 23 24	NO NO NO	53 38 33 45	YES YES YES NO
	4 5 6 7 8	10 9 9 9 10	F M M F F	21 22 23 24 25	NO NO NO NO	53 38 33 45 14	YES YES YES NO NO
	4 5 6 7 8 9	10 9 9 9 10 9	F M F F F	21 22 23 24 25 26	NO NO NO NO NO	53 38 33 45 14 46	YES YES NO NO YES
	4 5 6 7 8 9 10	10 9 9 10 9 9	F M F F F F	21 22 23 24 25 26 27	NO NO NO NO NO NO	53 38 33 45 14 46 14	YES YES NO NO YES NO
	4 5 6 7 8 9 10 11	10 9 9 9 10 9 9 9 9 10	F M F F F F F	21 22 23 24 25 26 27 28	NO NO NO NO NO NO NO	53 38 33 45 14 46 14 8	YES YES NO NO YES NO NO
	4 5 6 7 8 9 10 11 12	10 9 9 10 9 9 9 9 10 9	F M F F F F F F M	21 22 23 24 25 26 27 28 29	NO NO NO NO NO NO NO NO	53 38 33 45 14 46 14 8 8 44	YES YES NO NO YES NO NO NO
	4 5 6 7 8 9 10 11 12 13	10 9 9 10 9 9 9 9 10 9 10 9	F M F F F F F F M	21 22 23 24 25 26 27 28 29 30	NO NO NO NO NO NO NO NO NO	53 38 33 45 14 46 14 8 44 44 4	YES YES NO NO YES NO NO NO YES
	4 5 6 7 8 9 10 11 12 13 14	10 9 9 10 9 9 10 9 10 9 11 9	F M F F F F F M F M	21 22 23 24 25 26 27 28 29 30 31	NO NO NO NO NO NO NO NO NO NO	53 38 33 45 14 46 14 8 44 44 4 26	YES YES NO NO YES NO NO NO YES YES
	4 5 6 7 8 9 10 11 12 13 14 15	10 9 9 10 9 9 10 9 10 9 11 9 11	F M F F F F F M F M M M	21 22 23 24 25 26 27 28 29 30 31 32	NO NO NO NO NO NO NO NO NO NO NO	53 38 33 45 14 46 14 46 14 8 44 4 26 13	YES YES NO NO YES NO NO YES YES YES
	4 5 6 7 8 9 10 11 12 13 14 15 16	10 9 9 9 10 9 9 10 9 11 9 11 9 11	F M F F F F F M F M F M F M	21 22 23 24 25 26 27 28 29 30 31 32 33	NO NO NO NO NO NO NO NO NO NO NO NO	53 38 33 45 14 46 14 8 46 14 8 44 4 26 13 10	YES YES NO NO YES NO NO YES YES YES NO
	4 5 6 7 8 9 10 11 12 13 14 15 16 17	10 9 9 9 10 9 9 9 10 9 9 11 9 11 9 9 11 9 9	F M F F F F F M F M M F M F F	21 22 23 24 25 26 27 28 29 30 31 32 33 34	NO NO NO NO NO NO NO NO NO NO NO NO NO	53 38 33 45 14 46 14 46 14 8 44 4 26 13 10 16	YES YES NO NO YES NO NO YES YES YES NO YES
	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	10 9 9 10 9 9 9 10 9 11 9 11 9 11 9 9 11	F M F F F F M F M M F M F F F F	21 22 23 24 25 26 27 28 29 30 31 31 32 33 34 35	NO NO NO NO NO NO NO NO NO NO NO NO NO N	53 38 33 45 14 46 14 46 14 46 14 26 13 10 16 42	YES YES NO NO YES NO NO YES YES YES NO YES NO
	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	10 9 9 10 9 9 10 9 10 9 11 9 11 9 11 9	F M F F F F M F M M F M F F F F M	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	NO NO NO NO NO NO NO NO NO NO NO NO NO N	53 38 33 45 14 46 14 46 14 46 14 46 14 26 13 10 16 42 7	YES YES NO NO YES NO NO YES YES YES NO YES NO YES NO
	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	10 9 9 10 9 9 9 10 9 11 9 11 9 11 9 9 9 9	F M F F F M F M F M F M F M F M F M F M F <td< td=""><td>21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37</td><td>NO NO NO NO NO NO NO NO NO NO NO NO NO N</td><td>53 38 33 45 14 46 14 46 14 8 44 4 26 13 10 16 42 7 1</td><td>YES YES NO NO YES NO NO YES YES YES NO YES NO YES</td></td<>	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	NO NO NO NO NO NO NO NO NO NO NO NO NO N	53 38 33 45 14 46 14 46 14 8 44 4 26 13 10 16 42 7 1	YES YES NO NO YES NO NO YES YES YES NO YES NO YES
	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	10 9 9 10 9 9 9 9 10 9 11 9 11 9 9 9 9 9	F M F F F M F M	21 22 23 24 25 26 27 28 29 30 31 32 33 33 34 35 36 37 38	NO NO NO NO NO NO NO NO NO NO NO NO NO N	53 38 33 45 14 46 14 8 44 4 26 13 10 16 42 7 1 18	YES YES NO NO YES NO YES YES YES NO YES NO YES NO YES NO YES NO
	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	10 9 9 10 9 9 9 10 9 11 9 11 9 9 11 9 9 9 9	F M F F F M F M F M F M F M F M F M F M F M F M F M F M M M M M M M M M M M	21 22 23 24 25 26 27 28 29 30 31 32 33 31 32 33 34 35 36 37 38 39	NO NO	53 38 33 45 14 46 14 46 14 46 14 46 14 8 44 4 26 13 10 16 42 7 1 18 6	YES YES NO NO YES NO NO YES YES YES NO YES NO YES NO YES NO YES NO NO YES NO
	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	10 9 9 9 10 9 9 9 10 9 9 11 9 9 11 9 9 9 9	F M F F F M F M F M F M F M F M F M F M F M F M F M F M M M	21 22 23 24 25 26 27 28 29 30 31 31 32 33 34 35 36 37 38 39 40	NO NO	53 38 33 45 14 46 14 46 14 46 14 8 44 4 26 13 10 16 42 7 1 18 6 9	YES YES NO NO YES NO NO YES YES NO YES NO YES NO YES NO YES NO YES NO YES
	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	10 9 9 10 9 9 9 9 10 9 11 9 9 11 9 9 9 9	F M F F F M F M F M F M F M F M F M F M F M M M M M M M M M M M M M M M M	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	NO NO	53 38 33 45 14 46 14 46 14 8 44 4 26 13 10 16 42 7 1 18 6 9 44	YES YES NO NO YES NO NO YES YES NO YES NO YES NO YES NO YES NO YES NO YES NO NO YES
	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	10 9 9 10 9 9 9 9 10 9 11 9 11 9 9 9 9 9	F M F F F M F M F M F M F M F M F M F M F M F M <td< td=""><td>21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42</td><td>NO NO NO</td><td>53 38 33 45 14 46 14 46 14 8 44 4 26 13 10 16 42 7 1 18 6 9 44 2</td><td>YES YES NO NO YES NO YES NO YES NO YES YES YES YES NO YES</td></td<>	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	NO NO	53 38 33 45 14 46 14 46 14 8 44 4 26 13 10 16 42 7 1 18 6 9 44 2	YES YES NO NO YES NO YES NO YES NO YES YES YES YES NO YES

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	10	F	B56	YES	B6	NO
2	10	F	B54	YES	B2	NO
3	10	F	B42	YES	B1	YES
4	12	F	B27	YES	B7	NO
5	10	F	B4	NO	B45	YES
6	10	М	B46	YES	B47	YES
7	10	F	B49	NO	B8	YES
8	10	М	B43	YES	B44	YES
9	11	F	B23	NO	B40	YES
10	11	М	B14	NO	В5	YES
11	10	F	B12	YES	B37	YES
12	10	F	B3	NO	B15	YES
13	11	М	B18	NO	B41	NO
14	11	F	B9	YES	B10	YES
15	10	F	B33	YES	B21	NO
16	10	F	B32	NO	B30	YES
17	11	F	B40	NO	B16	YES
18	10	F	B39	YES	B6	YES

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	10	М	5	YES	8	YES
2	10	F	6	YES	9	NO
3	9	М	7	YES	10	YES
4	9	F	8	YES	11	YES
5	10	М	9	NO	12	YES
6	9	F	10	YES	13	YES
7	10	М	11	YES	14	YES
8	9	F	12	YES	15	YES
9	9	М	13	YES	16	YES
10	9	F	14	YES	17	YES
11	9	F	15	NO	18	NO
12	9	М	16	YES	19	YES
13	9	F	17	YES	20	YES
14	9	М	18	NO	21	NO
15	9	М	19	YES	22	NO
16	9	F	20	YES	23	NO
17	9	М	21	YES	24	YES
18	10	F	22	YES	25	NO
19	9	М	23	YES	26	YES
20	9	F	24	YES	27	YES
21	9	F	25	YES	28	NO
22	10	М	26	YES	29	YES

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	11	М	B6	YES	B7	YES
2	10	F	B7	YES	B54	NO
3	10	М	B8	NO	B2	NO
4	10	F	B9	YES	B1	NO
5	10	М	B10	YES	B45	YES
6	10	F	B11	YES	B28	YES
7	12	F	B12	YES	B48	YES
8	10	М	B13	YES	B19	YES
9	10	М	B14	NO	В5	YES
10	10	F	B15	YES	B38	YES
11	10	М	B16	NO	B9	YES
12	10	F	B17	NO	B33	YES
13	11	М	B18	YES	B51	YES
14	10	М	B19	YES	B54	YES
15	11	М	B20	YES	B14	NO
16	11	F	B21	NO	B7	NO
17	11	М	B22	YES	B8	YES
18	10	F	B23	NO	B1	YES
19	11	М	B24	YES	B42	YES
20	11	F	B25	NO	B10	NO
21	11	F	B26	NO	B27	YES

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	8	М	48	YES	3	YES	8	YES
2	9	F	29	YES	16	YES	12	YES
3	8	М	33	YES	10	NO	53	NO
4	8	F	42	YES	19	YES		
5	9	М	57	NO	49	NO		
6	8	М	7	NO	52	YES		
7	8	М	35	YES	38	YES		
8	8	F	20	YES	21	YES		
9	9	М	40	YES	6	YES		
10	8	F	36	YES	9	YES		
11	8	М	21	YES	10	YES		
12	9	F	14	NO	33	YES	2	NO
13	8	F	46	YES	42	YES		
14	8	F	43	YES	49	NO		
15	8	F	23	YES	7	YES		
16	9	М	27	NO	46	NO		
17	8	М	8	YES	47	YES		
18	8	М	15	NO	32	NO		
19	9	М	37	YES	41	YES		
20	8	F	16	YES	40	NO		

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	9	М	6	NO	8	YES	28	NO
2	9	F	9	YES	46	YES		
3	9	М	35	YES	37	YES		
4	10	F	23	YES	1	YES		
5	9	М	45	NO	33	YES		
6	9	М	40	YES	44	YES		
7	9	М	5	YES	7	YES		
8	9	М	27	YES	51	YES		
9	9	F	56	YES	29	YES		
10	10	М	42	YES	3	NO		
11	9	F	49	YES	43	NO		
12	10	F	2	NO	12	YES		
13	9	М	47	YES	22	YES		
14	9	F	30	YES	4	YES		
15	9	F	10	NO	36	YES		
16	9	М	52	YES	8	YES		
17	9	F	6	NO	21	YES		
18	10	М	9	YES	41	YES		
19	9	F	1	NO	13	YES		
20	10	F	33	YES	16	YES		
21	10	F	40	YES	45	YES		

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	9	М	7	YES	1	NO
2	8	F	50	NO	40	NO
3	8	М	20	NO	15	YES
4	8	F	28	YES	34	NO
5	8	М	53	NO	38	YES
6	8	М	14	YES	26	NO
7	8	М	19	YES	33	NO
8	9	М	6	NO	25	YES
9	8	F	2	YES	9	NO
10	8	М	10	NO	32	YES
11	8	F	30	NO	12	YES
12	8	М	3	YES	39	YES
13	9	F	49	NO	48	NO
14	8	М	5	YES	8	NO
15	9	F	44	YES	16	NO
16	8	М	42	NO	13	YES
17	8	F	45	NO	7	NO
18	8	М	47	NO	40	NO
19	8	F	27	NO	29	NO
20	8	М	56	NO	33	YES
21	8	М	9	NO	21	NO
22	8	М	1	YES	41	NO

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	11	F	44	YES	14	YES
2	10	М	7	YES	42	NO
3	10	F	48	YES	49	NO
4	10	М	38	YES	12	YES
5	10	F	32	NO	18	YES
6	10	М	34	YES	5	YES
7	11	F	10	NO	4	YES
8	10	F	8	YES	25	NO
9	10	М	9	YES	39	YES
10	10	F	15	NO	33	YES
11	11	М	40	YES	2	NO
12	11	F	3	NO	26	YES
13	10	М	19	YES	6	YES
14	10	F	1	NO	7	YES
15	10	М	42	YES	45	NO
16	10	F	52	YES	49	YES
17	10	М	12	YES	10	NO
18	10	М	44	YES	53	YES
19	10	F	8	YES	46	YES
20	10	М	41	YES	9	YES
21	10	F	20	YES	37	YES
22	10	М	33	YES	40	YES
23	10	F	7	NO	13	NO
24	11	М	5	YES	23	YES
25	10	F	42	YES	49	YES

School 4:

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	13	М	47	NO	17	NO	74	NO
2	13	М	48	NO	56	YES	6	NO
3	15	F	11	NO	69	NO	61	NO
4	13	F	51	YES	46	YES	65	NO
5	13	F	21	YES	26	YES		
6	13	F	55	YES	52	YES		
7	14	М	54	YES	8	NO	42	NO
8	14	F	19	YES	58	YES	18	NO
9	13	F	69	YES	68	YES		
10	14	F	32	YES	33	NO		
11	14	М	41	YES	3	NO		
12	13	М	70	NO	72	NO	16	NO
13	13	М	14	NO	22	YES	5	NO
14	14	М	29	NO	63	YES	60	NO
15	13	F	2	YES	13	NO	68	YES
16	14	F	9	YES	6	YES	73	YES

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	13	М	31	NO	28	YES	27	YES
2	13	F	41	YES	17	NO	51	YES
3	15	М	24	YES	38	NO	7	YES
4	14	М	35	YES	9	NO	73	NO
5	13	М	42	YES	10	YES	49	NO
6	13	М	55	NO	54	YES		
7	13	М	45	NO	56	YES	8	NO
8	13	М	48	NO	25	YES	53	YES
9	14	М	14	NO	61	NO	40	NO
10	13	F	36	YES	59	NO	67	YES
11	13	F	37	YES	69	NO	65	YES
12	13	М	74	YES	18	NO	2	YES
13	14	М	12	NO	21	NO	15	NO
14	13	F	52	NO	1	YES	50	YES
15	13	F	6	NO	47	YES		
16	13	М	30	YES	29	NO		
17	14	М	71	YES	57	NO		
PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	13	F	6	YES	54	NO	50	YES
2	13	F	22	YES	51	YES	48	YES
3	13	М	14	YES	33	NO	18	NO
4	13	F	45	YES	7	NO		
5	13	F	42	YES	56	NO		
6	13	F	8	NO	15	YES		
7	14	F	36	YES	16	NO	43	NO
8	13	F	25	YES	53	NO	29	YES
9	13	F	11	NO	19	YES	72	NO
10	14	М	1	YES	34	YES	46	YES
11	13	F	20	NO	67	YES	71	YES
12	13	М	21	NO	70	NO	26	NO
13	13	F	52	NO	2	NO	62	YES

YES

YES

NO

YES

NO

YES

4

23

61

5

66

63

YES

YES

NO

NO

YES

NO

3

13

YES

NO

14

15

16 17

18

19

13

14

13

13

13

13

М

F

М

F

F

F

44

58

39

57

32

37

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	14	М	40	NO	18	NO
2	14	М	63	YES	53	YES
3	13	F	64	YES	43	NO
4	13	М	28	NO	60	NO
5	14	М	13	NO	32	YES
6	15	М	41	YES	12	YES
7	14	F	24	YES	3	YES
8	14	М	67	YES	21	NO
9	13	F	73	NO	52	NO
10	13	М	69	NO	9	NO
11	14	М	71	YES	29	NO
12	14	М	57	NO	23	YES
13	13	М	37	YES	39	NO
14	13	М	62	YES	47	NO
15	14	М	27	NO	66	YES
16	13	F	30	NO	61	NO
17	13	F	38	NO	55	YES
18	13	F	74	NO	65	NO

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	15	F	39	YES	50	YES	61	YES
2	15	М	27	YES	66	YES	2	NO
3	15	М	38	NO	56	YES	1	YES
4	14	М	37	YES	7	NO		
5	13	М	55	YES	44	NO		
6	13	М	54	YES	40	YES		
7	15	М	53	YES	14	NO		
8	14	F	51	YES	12	NO		
9	14	М	8	NO	22	NO		
10	14	F	15	NO	21	NO		
11	13	М	18	NO	29	YES		
12	13	М	31	YES	34	YES		
13	13	М	12	NO	67	YES		
14	15	М	5	NO	57	NO		
15	13	М	52	YES	27	YES		
16	13	F	37	NO	49	YES		
17	14	F	60	YES	7	NO		
18	14	F	62	YES	20	YES		
19	14	М	43	NO	53	YES		
20	13	F	66	YES	38	YES		
21	13	М	9	NO	73	YES		

School 5:

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	8	F	38	YES	23	NO	41	YES
2	8	F	40	NO	7	YES	42	YES
3	9	F	47	YES	33	YES	14	NO
4	8	М	1	NO	50	YES	2	NO
5	8	М	10	NO	49	YES	54	YES
6	8	М	8	YES	31	YES	5	YES
7	8	F	25	YES	12	YES	26	YES
8	8	М	34	NO	9	NO	4	NO
9	8	F	40	NO	15	NO		
10	8	F	6	NO	27	NO		
11	8	М	52	YES	7	YES		
12	8	М	28	NO	30	YES		
13	8	F	36	YES	13	YES		
14	8	М	29	NO	33	YES		
15	8	F	32	NO	16	YES		
16	8	М	18	NO	39	NO		
17	8	М	10	NO	30	NO		
18	8	М	32	YES	44	YES		
19	8	F	22	YES	49	NO		
20	8	F	8	YES	43	YES		
21	8	М	48	NO	14	NO		
22	8	М	12	NO	19	NO		
23	8	М	3	YES	46	YES		
PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	9	F	13	YES	33	NO	35	NO
2	8	F	49	YES	52	YES	45	NO
3	9	М	13	YES	53	YES		
4	9	М	9	YES	8	YES		
5	9	F	25	YES	12	YES		
6	9	F	44	YES	20	YES		
7	9	F	26	YES	42	YES		
8	9	F	27	YES	7	NO		
9	9	М	40	NO	28	YES		
10	9	М	33	NO	16	NO		
11	9	М	1	NO	10	YES		
12	9	F	21	YES	2	NO		
13	9	F	49	YES	8	YES		
14	9	F	5	YES	9	YES		
15								
	9	F	30	YES	18	NO		
16	9 9	F	30 42	YES YES	18 23	NO YES		
16 17	9 9 9	F F M	30 42 29	YES YES NO	18 23 24	NO YES YES		
16 17 18	9 9 9 9	F F M M	30 42 29 7	YES YES NO YES	18 23 24 51	NO YES YES YES		
16 17 18 19	9 9 9 9 9	F F M M F	30 42 29 7 47	YES YES NO YES YES	18 23 24 51 6	NO YES YES YES YES		
16 17 18 19 20	9 9 9 9 9 9 9 9	F F M M F F	30 42 29 7 47 3	YES YES NO YES YES YES	18 23 24 51 6 40	NO YES YES YES YES YES		
16 17 18 19 20 21	9 9 9 9 9 9 9 9 9 9	F F M F F M	30 42 29 7 47 3 38	YES YES NO YES YES YES YES	18 23 24 51 6 40 54	NO YES YES YES YES YES YES		

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	11	М	40	NO	33	NO		
2	10	М	49	YES	36	YES		
3	10	F	10	NO	44	YES		
4	10	F	1	YES	8	NO		
5	10	М	22	YES	18	YES		
6	10	F	9	YES	46	YES		
7	10	F	5	NO	12	YES		
8	11	F	44	YES	6	NO	4	YES
9	10	М	22	YES	39	NO	1	NO
10	10	F	74	NO	37	NO	5	YES
11	10	М	32	YES	48	NO	7	NO
12	10	F	19	YES	20	YES	40	NO
13	10	М	3	YES	21	YES		
14	10	F	42	YES	45	NO		
15	10	М	33	YES	2	NO	44	YES
16	11	F	3	YES	15	YES	1	YES
17	10	М	51	YES	34	YES	6	NO
18	10	М	23	YES	45	NO	5	NO
19	10	F	92	NO	24	YES	9	NO
20	10	F	49	YES	8	YES	12	YES

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	8	F	46	YES	52	YES
2	8	F	40	YES	42	NO
3	8	М	15	NO	48	YES
4	8	М	3	NO	2	NO
5	8	F	8	YES	9	YES
6	8	F	10	YES	6	YES
7	8	F	47	NO	12	NO
8	8	М	53	YES	13	NO
9	8	F	33	YES	16	YES
10	8	М	19	YES	44	NO
11	8	F	49	NO	49	YES
12	8	F	18	NO	20	YES
13	8	М	40	YES	38	NO
14	8	М	34	YES	42	YES
15	8	F	3	YES	7	NO
16	8	М	9	NO	1	NO
17	8	F	2	NO	10	YES
18	8	F	8	YES	54	YES
19	8	М	12	NO	33	YES
20	8	М	41	YES	40	NO
21	8	F	14	NO	49	YES
22	8	М	4	NO	50	YES
23	8	М	5	YES	56	YES

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	9	F	13	NO	8	NO	16	NO
2	10	М	12	NO	36	YES	33	YES
3	9	М	42	YES	1	NO	41	YES
4	9	М	40	YES	28	YES	49	NO
5	9	F	52	YES	23	YES		
6	9	F	43	YES	7	YES		
7	9	F	10	NO	30	YES		
8	9	М	18	YES	37	YES	15	YES
9	9	М	44	NO	8	YES	3	YES
10	9	F	42	YES	19	YES	25	YES
11	9	F	5	YES	12	YES	7	NO
12	9	М	6	YES	2	YES	1	YES
13	9	F	39	YES	40	YES	10	NO
14	9	М	29	YES	45	YES	33	YES
15	9	М	44	YES	49	NO	35	YES
16	9	F	53	YES	5	NO	10	NO
17	9	F	6	NO	8	YES	48	YES
18	9	F	51	YES	2	YES	33	YES
19	9	F	42	YES	12	NO		
20	9	М	9	NO	40	YES		
21	10	F	45	NO	7	NO	14	NO

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	10	М	41	YES	45	NO	44	YES
2	10	F	14	NO	46	NO	25	YES
3	10	М	33	YES	36	YES		
4	10	F	25	YES	22	YES		
5	9	М	26	YES	49	YES		
6	10	F	27	NO	1	NO	30	YES
7	10	F	39	NO	28	YES	48	YES
8	10	М	10	NO	37	YES	39	NO
9	10	М	5	YES	8	YES	29	NO
10	10	М	6	NO	2	NO		
11	10	F	33	YES	9	NO	45	NO
12	10	М	20	YES	21	YES	42	YES
13	10	F	3	NO	23	YES	7	NO
14	10	М	52	YES	13	YES		
15	10	М	16	YES	12	YES		

DI DELCIDI NE	1.05	OF THE	OF IDOLLON I		OL TROTTON I		OUTFOTION	
PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	8	Г	10	NO	0	NO		
2	8	M	33	YES		NU		
3	8	м	49	NO	27	TES		
4	8	F	24	YES	3/	YES		
5	8	М	52	YES	8	YES		
6	8	М	2	YES	12	NO		
7	8	М	3	NO	25	NO		
8	8	М	1	YES	51	YES		
9	8	М	16	YES	9	NO		
10	8	F	42	YES	18	NO		
11	9	М	26	YES	40	NO		
12	8	М	47	YES	45	NO		
13	8	F	7	NO	39	NO		
14	8	F	10	NO	27	YES		
15	8	F	44	YES	41	YES		
16	9	М	6	NO	5	YES		
17	9	М	33	YES	28	YES	46	NO
18	8	F	30	YES	38	YES	29	YES
19	8	М	49	NO	8	YES	1	YES
20	8	М	4	YES	12	YES		
21	8	F	2	NO	15	YES		
22	8	М	14	YES	42	NO		
23	8	F	40	NO	3	YES		
24	8	F	19	NO	53	YES		
							1	
PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
PARTICIPANT 1	AGE 9	GENDER M	QUESTION 21	ANSWER YES	QUESTION 2	ANSWER NO	QUESTION 45	ANSWER YES
PARTICIPANT 1 2	AGE 9 9	GENDER M F	QUESTION 21 22	ANSWER YES YES	QUESTION 2 19	ANSWER NO NO	QUESTION 45 42	ANSWER YES YES
PARTICIPANT 1 2 3	AGE 9 9 9	GENDER M F F	QUESTION 21 22 23	ANSWER YES YES YES	QUESTION 2 19 38	ANSWER NO NO YES	QUESTION 45 42 24	ANSWER YES YES NO
PARTICIPANT 1 2 3 4	AGE 9 9 9 9	GENDER M F F M	QUESTION 21 22 23 24	ANSWER YES YES YES YES	QUESTION 2 19 38 3	ANSWER NO NO YES NO	QUESTION 45 42 24 30	ANSWER YES YES NO YES
PARTICIPANT 1 2 3 4 5	AGE 9 9 9 9 9 9 9	GENDER M F F M F	QUESTION 21 22 23 24 25	ANSWER YES YES YES YES	QUESTION 2 19 38 3 49	ANSWER NO NO YES NO YES	QUESTION 45 42 24 30 40	ANSWER YES YES NO YES NO
PARTICIPANT 1 2 3 4 5 6	AGE 9 9 9 9 9 9 9 9	GENDER M F F M F F F	QUESTION 21 22 23 24 25 26	ANSWER YES YES YES YES YES YES	QUESTION 2 19 38 3 49 8	ANSWER NO YES NO YES NO	QUESTION 45 42 24 30 40	ANSWER YES YES NO YES NO
PARTICIPANT 1 2 3 4 5 6 7	AGE 9 9 9 9 9 9 9 9 9 9	GENDER M F F M F F F F	QUESTION 21 22 23 24 25 26 27	ANSWER YES YES YES YES YES YES	QUESTION 2 19 38 3 49 8 8 9	ANSWER NO NO YES NO YES NO YES	QUESTION 45 42 24 30 40	ANSWER YES YES NO YES NO
PARTICIPANT 1 2 3 4 5 6 7 8	AGE 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F M F F F F F	QUESTION 21 22 23 24 25 26 27 28	ANSWER YES YES YES YES YES YES YES	QUESTION 2 19 38 3 49 8 9 1	ANSWER NO NO YES NO YES NO YES NO	QUESTION 45 42 24 30 40	ANSWER YES YES NO YES NO
PARTICIPANT 1 2 3 4 5 6 7 8 9	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F F M F F F F F M	QUESTION 21 22 23 24 25 26 27 28 29	ANSWER YES YES YES YES YES YES YES YES	QUESTION 2 19 38 3 49 8 9 9 1 1 5	ANSWER NO NO YES NO YES NO YES NO NO	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F F F F F F F M F	QUESTION 21 22 23 24 25 26 27 28 29 30	ANSWER YES YES YES YES YES YES YES YES	QUESTION 2 19 38 3 49 8 9 1 15 37	ANSWER NO YES NO YES NO YES NO NO YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F F F F F F F F M F M	QUESTION 21 22 23 24 25 26 27 28 29 30 31	ANSWER YES YES YES YES YES YES YES YES YES	QUESTION 2 19 38 3 49 8 9 1 15 37 10	ANSWER NO YES NO YES NO YES NO NO YES NO	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F M F F F F F M F M F M	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32	ANSWER YES YES YES YES YES YES YES YES YES YES	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44	ANSWER NO NO YES NO YES NO YES NO YES NO YES NO	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F M F F F F F M F M F M M F	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33	ANSWER YES YES YES YES YES YES YES YES YES YES	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14	ANSWER NO NO YES NO YES NO YES NO YES NO YES NO NO NO	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F F F F F F M F M F M M F M	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34	ANSWER YES YES YES YES YES YES YES YES YES YES	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6	ANSWER NO NO YES NO YES NO NO YES NO NO NO NO YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F F F F F M F M F M F M F F F M	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	ANSWER YES YES YES YES YES YES YES YES YES YES	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2	ANSWER NO NO YES NO YES NO YES NO YES NO NO YES YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F F M F F F M F M F M F F F F M	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	ANSWER YES	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49	ANSWER NO NO YES NO YES NO YES NO YES NO NO YES YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F M F F F F M F M F M F M F M F M	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	ANSWER YES	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49 1	ANSWER NO NO YES NO YES NO YES NO YES NO NO YES YES YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	ANSWER YES	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49 1 1 8	ANSWER NO NO YES NO YES NO YES NO YES NO NO YES YES YES YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F M F F F M F M F M F M F M F M F M F M F M F M F M F M F F M F M F M F M F M F M F M F M F F F F	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	ANSWER YES	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49 1 1 8 1 8 23	ANSWER NO NO YES NO YES NO YES NO NO YES NO NO YES YES YES YES YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F F M F F F M F M F F M F F M F F M F F M F F M F M	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	ANSWER YES YES <	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49 1 8 23 12	ANSWER NO NO YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F M F F F M <td>QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40</td> <td>ANSWER YES YES <</td> <td>QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49 1 8 23 12 44</td> <td>ANSWER NO NO YES YES</td> <td>QUESTION 45 42 24 30 40 </td> <td>ANSWER YES NO YES NO</td>	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	ANSWER YES YES <	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49 1 8 23 12 44	ANSWER NO NO YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F M <td>QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41</td> <td>ANSWER YES <t< td=""><td>QUESTION 2 19 38 3 49 8 9 1 1 15 37 10 44 14 6 2 49 1 1 8 23 12 44 42</td><td>ANSWER NO NO YES YES</td><td>QUESTION 45 42 24 30 40 </td><td>ANSWER YES NO YES NO</td></t<></td>	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	ANSWER YES YES <t< td=""><td>QUESTION 2 19 38 3 49 8 9 1 1 15 37 10 44 14 6 2 49 1 1 8 23 12 44 42</td><td>ANSWER NO NO YES YES</td><td>QUESTION 45 42 24 30 40 </td><td>ANSWER YES NO YES NO</td></t<>	QUESTION 2 19 38 3 49 8 9 1 1 15 37 10 44 14 6 2 49 1 1 8 23 12 44 42	ANSWER NO NO YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F M F F F M <td>QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42</td> <td>ANSWER YES <t< td=""><td>QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49 1 8 23 12 44 42</td><td>ANSWER NO NO YES YES</td><td>QUESTION 45 42 24 30 40</td><td>ANSWER YES NO YES NO</td></t<></td>	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	ANSWER YES YES <t< td=""><td>QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49 1 8 23 12 44 42</td><td>ANSWER NO NO YES YES</td><td>QUESTION 45 42 24 30 40</td><td>ANSWER YES NO YES NO</td></t<>	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49 1 8 23 12 44 42	ANSWER NO NO YES YES	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO
PARTICIPANT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	AGE 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GENDER M F F M F F M F M M F M F M F M F M F	QUESTION 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	ANSWER YES YES <	QUESTION 2 19 38 3 49 8 9 1 15 37 10 44 14 6 2 49 1 8 23 12 44 42 40 7	ANSWER NO NO YES NO NO YES YES NO NO YES NO NO<	QUESTION 45 42 24 30 40	ANSWER YES NO YES NO

	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	10	F	53	YES	15	NO
2	10	F	42	YES	51	YES
3	10	F	40	YES	52	YES
4	10	М	44	NO	13	NO
5	10	F	20	YES	7	YES
6	10	F	21	YES	16	YES
7	10	F	33	NO	23	NO
8	10	М	24	YES	47	YES
9	10	F	10	NO	45	NO
10	10	F	18	NO	49	NO
11	10	М	1	NO	36	YES
12	10	М	2	YES	8	NO
13	10	М	38	NO	9	YES
14	10	М	37	YES	12	YES
15	10	М	42	YES	5	YES
16	10	М	40	NO	7	YES
17	10	М	39	NO	41	YES
18	10	М	46	YES	6	NO
19	10	F	50	NO	14	NO
20	10	М	15	NO	22	NO
21	10	F	43	NO	48	YES
22	10	М	52	YES	19	NO
DADTICIDANT	ACE	CENIDED	OUESTION	ANGWED	OUESTION	ANGWED
	AGE	GENDER	QUESTION	AINSWER	QUESTION	AINSWER NO
2	0	F	32	VES	15	VES
2	8	r M	44	VEC	15	11.5
	N N	10/1			/15	NO
4	8	M	42	NO	45	NO
4	8	M	42 7 13	NO VFS	45 9 3	NO NO
4	8 8 8 8	M M F M	7 13	NO YES	45 9 3 2	NO NO NO
4 5 6 7	8 8 8 8	M M F M	42 7 13 1 10	NO YES NO	45 9 3 2 8	NO NO NO
4 5 6 7 8	8 8 8 8 8 8	M M F M M	13 10 12	NO YES NO YES	45 9 3 2 8	NO NO NO NO YES
4 5 6 7 8	8 8 8 8 8 8 8 8	M F M M F M	12 7 13 1 10 12 33	NO YES NO YES YES	45 9 3 2 8 54 50	NO NO NO NO YES
4 5 6 7 8 9	8 8 8 8 8 8 8 8 8 8	M F M M F M F	42 7 13 1 10 12 33 21	NO YES NO YES YES YES	45 9 3 2 8 54 50 40	NO NO NO NO YES NO YES
4 5 6 7 8 9 10	8 8 8 8 8 8 8 8 8 8 8 8	M F M M F M F F	42 7 13 1 10 12 33 21	NO YES NO YES YES YES YES	45 9 3 2 8 54 50 40	NO NO NO NO YES NO YES
4 5 6 7 8 9 10 11 11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M F M F F F M	42 7 13 1 10 12 33 21 49 56	NO YES NO YES YES YES YES YES	45 9 3 2 8 54 50 40 4 5	NO NO NO NO YES NO YES NO
4 5 6 7 8 9 10 11 12 13	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M F M F F F M	42 7 13 1 10 12 33 21 49 56 22	NO YES NO YES YES YES YES YES YES	45 9 3 2 8 54 50 40 4 5 23	NO NO NO NO YES NO YES NO NO
4 5 6 7 8 9 10 11 12 13	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M F M F F M M M	42 7 13 1 10 12 33 21 49 56 22 24	NO YES NO YES YES YES YES YES NO	45 9 3 2 8 54 50 40 4 5 23 51	NO NO NO NO YES NO YES NO NO YES
4 5 6 7 8 9 10 11 12 13 14	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M F M F F M M M M F	42 7 13 1 10 12 33 21 49 56 22 24 42	NO YES NO YES YES YES YES YES NO YES	45 9 3 2 8 54 50 40 4 5 23 51	NO NO NO NO YES NO YES NO NO NO YES YES
4 5 6 7 8 9 10 11 12 13 14 15 16	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M F M F F M M M F M	42 7 13 1 10 12 33 21 49 56 22 24 42 18	NO YES NO YES YES YES YES YES NO YES NO YES NO	45 9 3 2 8 54 50 40 4 5 23 51 40 7	NO NO NO NO YES NO YES NO NO YES YES NO
4 5 6 7 8 9 10 11 12 13 14 15 16	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M F M F F M M M F M F M	42 7 13 1 10 12 33 21 49 56 22 24 42 18 8	NO YES NO YES YES YES YES YES NO YES YES NO YES NO	45 9 3 2 8 54 50 40 4 5 23 51 40 7 38	NO NO NO NO YES NO YES NO YES YES NO
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M F M F F M M M F M F M F M	42 7 13 1 10 12 33 21 49 56 22 24 42 18 8 36	NO YES NO YES YES YES YES YES NO YES NO YES NO YES	45 9 3 2 8 54 50 40 4 5 23 51 40 7 38	NO NO NO NO YES NO YES NO YES YES NO YES
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M M F M F F M M M F M F M	42 7 13 1 10 12 33 21 49 56 22 24 42 18 8 36 39	NO YES NO YES YES YES YES YES NO YES NO YES NO YES YES	45 9 3 2 8 54 50 40 4 5 23 51 40 7 38	NO NO NO NO YES NO YES NO YES YES NO YES
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M F F M F M M F M M F M F M M M M	42 7 13 1 10 12 33 21 49 56 22 24 42 18 8 36 39 44	NO YES NO YES YES YES YES YES NO YES NO YES NO YES YES	45 9 3 2 8 54 50 40 4 5 23 51 40 7 38	NO NO NO NO YES NO YES NO YES YES NO YES
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M M F M F M M F M F M F M M M M M	42 7 13 1 10 12 33 21 49 56 22 24 42 18 8 36 39 44 8	NO YES NO YES YES YES YES YES NO YES NO YES NO YES YES YES YES	45 9 3 2 8 54 50 40 4 5 23 51 40 7 38	NO NO NO NO YES NO YES NO YES YES NO YES
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M M F M F F M M F M F M M F M M M M M F	42 7 13 1 10 12 33 21 49 56 22 24 42 18 8 36 39 44 8 3	NO YES NO YES YES YES YES YES NO YES NO YES NO YES	45 9 3 2 8 54 50 40 4 5 23 51 40 7 38	NO NO NO VES NO YES NO NO YES YES NO YES
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M M F M F F M M F M F M M F M M M F M M F F M	42 7 13 1 10 12 33 21 49 56 22 24 42 18 8 36 39 44 8 3 41	NO YES NO YES YES YES YES YES YES NO YES NO YES	45 9 3 2 8 54 50 40 4 5 23 51 40 7 38	NO NO NO YES NO NO YES NO YES YES NO YES
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	M M F M M F M F M M F M F M M F M M M F M M F F F F F	42 7 13 1 10 12 33 21 49 56 22 24 42 18 8 36 39 44 8 3 41 9	NO YES NO YES YES YES YES YES YES NO YES NO YES NO YES NO YES YES	45 9 3 2 8 54 50 40 4 5 23 51 40 7 38	NO NO NO YES NO NO YES NO YES NO YES YES

PARTICIPANT	AGE	GEND	ER	QUESTION	ANSWER	QUESTION	ANSWER	QUEST	ION	ANSWER
1	8	F		2	NO	40	YES	14		NO
2	9	М		9	NO	34	YES			
3	9	М		10	NO	21	YES	9		YES
4	9	F		33	NO	49	NO	34		NO
5	9	F		23	NO	36	YES	46		YES
6	9	F		8	YES	30	YES	24		YES
7	9	F		29	YES	15	YES			
8	9	M		12	NO	32	NO	26		NO
9	9	F		3	YES	37	NO			
10	10	F			NO	51	VES			
12	9	F		13	YES	40	NO			
13	9	M		25	YES	44	YES			
14	9	F		52	YES	19	YES			
15	9	М		48	NO	53	YES			
16	9	М		1	YES	20	YES			
17	9	F		16	YES	6	NO			
18	9	М		5	NO	47	YES			
19	9	F		27	NO	18	NO			
20	9	М		7	NO	28	NO			
PARTICIP	ANT	AGE	(GENDER	QUESTION	ANSWE	R QUE	STION	А	NSWER
1		10		F	2	NO	3	36		YES
2		10		F	42	NO	2	22		YES
3		10		М	43	YES		13		YES
4		10		F	44	NO		16		YES
5		10		F	45	YES	4	45		NO
6		10		М	46	NO	2	25		YES
7		10		М	47	NO		26		YES
8		10		М	48	NO		33		NO
9		10		F	49	NO		8		YES
10		10		F	50	YES		37		YES
11		10		М	51	YES		39		YES
12		10		М	52	YES		25		YES
13		10		М	53	NO		24		NO
14		10		М	54	NO		34		YES
15		10		F	55	YES		27		NO
16		10		F	56	YES	2	48		YES
17		10		М	57	NO		12		YES
18		10		F	58	YES	2	42		NO
19		10		М	59	YES		18		YES
20		10		М	60	YES		7		NO
21		10		М	61	YES		18		YES
22		10		F	62	YES	2	40		YES
PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER		
-------------	-----	--------	----------	--------	----------	--------	----------	--------		
1	8	F	45	NO	8	YES				
2	8	F	12	YES	1	NO				
3	8	М	37	YES	33	YES				
4	8	F	14	YES	40	YES				
5	8	М	43	YES	43	YES				
6	8	F	42	YES	7	YES				
7	8	М	52	NO	15	NO				
8	8	F	10	NO	48	YES				
9	8	М	8	YES	13	NO				
10	8	М	33	YES	12	NO				
11	8	М	13	NO	2	NO				
12	8	М	27	NO	40	NO				
13	8	М	54	YES	7	NO				
14	8	М	53	YES	49	YES				
15	8	М	20	NO	21	YES	2	NO		
16	8	F	3	YES	4	YES	18	YES		
17	8	F	42	YES	22	NO	33	YES		
18	8	F	10	NO	66	NO	23	YES		
19	8	F	44	YES	8	YES	24	YES		
20	8	F	12	NO	3	YES	38	NO		
21	8	F	45	YES	16	YES	28	NO		

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	9	М	32	NO	7	YES
2	9	F	10	NO	33	YES
3	9	М	43	YES	19	NO
4	9	F	49	NO	45	YES
5	9	F	39	YES	27	NO
6	9	F	20	YES	8	YES
7	9	М	7	NO	12	YES
8	9	М	9	NO	44	NO
9	10	F	5	NO	42	NO
10	9	М	40	NO	48	YES
11	9	F	7	YES	6	NO
12	9	М	20	YES	10	NO
13	9	М	33	YES	21	YES
14	9	М	45	YES	49	NO

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	10	М	1	NO	41	YES	29	YES
2	10	М	30	YES	14	NO	9	YES
3	10	F	36	YES	42	YES		
4	10	М	16	NO	5	NO		
5	10	М	52	YES	8	YES		
6	10	М	39	YES	12	YES		
7	10	F	33	NO	42	YES		
8	10	М	37	YES	10	NO		
9	10	F	43	YES	6	YES		
10	10	М	32	YES	48	YES		
11	10	F	19	NO	6	NO		
12	10	М	46	YES	13	NO		
13	10	F	8	YES	53	YES		
14	10	F	3	NO	12	YES		
15	10	F	42	YES	16	YES		
16	10	М	20	NO	57	YES		
17	10	М	21	YES	18	NO		
18	10	М	44	NO	45	NO		
PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	8	М	51	YES	19	NO	7	NO
2	8	F	8	YES	9	YES	25	YES
3	8	F	12	YES	13	NO	14	NO
4	8	М	26	YES	20	YES	10	NO
5	8	М	21	YES	15	NO	16	YES
6	8	F	18	NO	33	YES	38	NO
7	8	F	42	YES	23	YES	3	YES
8	8	М	40	YES	22	YES	2	NO
9	8	F	49	YES	27	YES	24	YES
10	8	F	55	YES	31	NO		
11	8	М	36	YES	7	NO		
12	8	F	34	YES	4	NO		
13	8	М	8	YES	9	NO		
14	8	F	28	YES	3	NO		
15	8	F	41	NO	5	YES		
16	8	F	14	NO	6	NO		
17	8	F	44	NO	43	YES		
18	8	М	45	YES	10	NO		
19	8	F	12	NO	13	NO		
20	8	М	33	YES	3	NO		
21	8	F	1	NO	54	YES		
22	8	F	2	NO	30	YES		
23	8	F	35	YES	32	YES		
24	8	F	4	NO	49	NO		
25	8	F	40	YES	52	YES		

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER
1	9	F	13	YES	52	YES
2	9	F	16	YES	25	NO
3	9	М	1	NO	45	NO
4	9	F	20	YES	7	NO
5	9	F	18	NO	41	YES
6	9	М	10	NO	38	YES
7	9	М	33	YES	49	NO
8	9	М	98	YES	8	YES
9	9	F	44	YES	5	YES
10	9	F	12	NO	9	YES
11	9	М	15	YES	23	YES
12	9	F	21	YES	6	NO
13	9	F	42	NO	51	YES
14	9	М	40	NO	7	YES
15	9	М	33	NO	10	YES
16	9	F	40	YES	35	NO
17	9	F	8	YES	2	YES
18	9	М	26	YES	12	YES
19	9	М	9	NO	36	YES
20	9	М	23	YES	22	YES
21	9	М	14	NO	42	YES
22	9	F	40	YES	7	YES

PARTICIPANI	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	11	М	66	NO	71	YES	65	YES
2	11	F	54	YES	17	NO	29	NO
3	11	F	6	NO	69	NO		
4	12	М	21	NO	55	YES		
5	11	М	14	YES	46	NO		
6	12	F	51	YES	74	YES		
7	11	М	57	YES	1	YES		
8	11	М	34	NO	22	YES		
9	11	М	4	NO	62	YES		
10	11	М	35	YES	37	YES		
11	11	F	49	NO	19	NO		
12	11	М	31	NO	7	NO		
13	11	М	26	NO	27	YES	5	YES
14	12	М	56	YES	20	NO		
15	11	F	10	YES	70	YES		
16	11	М	8	NO	59	NO		
17	11	F	72	NO	58	YES		
18	11	М	3	YES	2	NO		

PARTICIPANI	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	12	М	3	YES	40	NO		
2	13	F	33	YES	54	YES		
3	12	М	18	NO	73	NO		
4	13	F	55	YES	52	NO		
5	12	F	68	NO	14	NO		
6	13	М	37	YES	53	YES		
7	12	М	7	NO	42	YES		
8	12	М	36	YES	67	YES	20	NO
9	13	М	27	NO	47	YES	51	NO
10	12	F	56	YES	44	NO	2	YES
11	13	М	71	YES	21	NO		
12	13	F	29	YES	1	YES		
13	12	М	50	YES	34	NO		
14	12	F	48	YES	12	NO		
15	12	М	15	YES	57	NO	9	NO
16	12	М	23	YES	25	NO	38	NO
17	12	F	16	NO	41	YES	24	NO
18	12	F	73	NO	64	YES	8	YES
19	12	М	43	NO	39	NO		
20	12	F	61	YES	30	YES		
21	12	М	62	YES	11	NO		

PARTICIPANI	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	13	М	73	YES	57	NO	34	YES
2	13	М	9	YES	62	YES	20	YES
3	14	М	16	NO	46	NO	67	YES
4	14	F	30	YES	8	YES	69	NO
5	13	F	18	NO	6	NO	31	NO
6	13	М	52	NO	7	YES		
7	14	М	17	NO	37	NO		
8	13	М	2	NO	55	YES	74	YES
9	14	F	7	YES	27	YES	56	NO
10	13	М	15	NO	23	YES	35	YES
11	13	М	22	YES	64	YES	71	YES
12	13	F	26	YES	43	NO	21	NO
13	13	F	58	NO	4	YES	39	NO
14	13	М	49	NO	32	YES	72	YES
15	13	М	45	YES	65	NO	5	NO
16	13	М	29	NO	61	YES	62	YES
17	13	F	10	YES	51	YES	8	YES
18	13	М	28	NO	30	NO	60	NO
19	13	F	38	NO	59	NO	63	NO
20	13	F	19	YES	70	NO	66	YES

PARTICIPANT	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	11	М	5	NO	68	NO	60	NO
2	11	М	53	NO	23	YES	51	NO
3	12	F	59	NO	64	YES	38	YES
4	11	F	43	YES	39	NO	73	NO
5	11	F	61	NO	65	YES		
6	11	М	58	NO	66	YES		
7	12	М	40	NO	3	NO	14	NO
8	12	М	33	YES	54	YES		
9	12	М	7	NO	63	NO		
10	11	F	13	NO	55	YES		
11	11	F	68	YES	47	YES		
12	11	М	44	YES	27	NO		
13	11	F	56	YES	71	YES		
14	12	М	12	NO	21	NO		
15	11	F	29	YES	73	NO		
16	11	М	62	YES	65	NO		

PARTTCIPAN	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	13	F	53	NO	62	YES	18	NO
2	12	F	65	YES	57	YES	33	YES
3	12	М	15	YES	7	NO		
4	13	М	19	YES	68	YES		
5	13	М	13	NO	3	YES		
6	12	М	72	NO	70	NO		
7	13	М	5	YES	60	NO	24	NO
8	14	М	21	NO	73	YES		
9	12	М	16	YES	52	NO		
10	11	М	32	NO	63	NO		
11	12	М	36	NO	30	NO		
12	12	М	17	YES	9	NO		
13	12	М	67	NO	26	YES	59	NO
14	13	М	70	NO	17	NO	71	NO
15	12	М	72	NO	27	NO	9	N0
16	12	F	47	YES	14	YES		
17	12	F	29	NO	22	YES		
18	13	F	61	NO	22	NO		

ΡΔ ΒΤΙCΙΡΔ ΝΊ	AGE	GENDER	OUESTION	A NSW FR	OUESTION	ANSWER	OUESTION	ANSWER
1	15	F	32	VES	1	VES	37	NO
2	14	F	60	YES	57	YES		110
3	13	M	59	NO	10	NO		
4	13	F	43	YES	18	NO		
5	13	M	46	NO	44	NO		
6	13	F	52	NO	12	NO	9	NO
7	15	F	21	NO	40	NO	8	YES
8	13	F	67	YES	31	NO	38	YES
9	13	F	37	YES	73	NO		
10	13	F	39	NO	56	YES		
11	13	F	6	NO	4	VES	74	YES
12	13	M	27	YES	55	YES	,.	115
13	14	F	72	VES	29	NO		
13	13	M	35	VES	69	VES		
15	13	M	67	NO	63	NO		
10	15		07	110	05	110		
PARTICIPANI	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	11	F	22	NO	54	YES		
2	11	М	12	NO	74	YES		
3	11	М	10	NO	7	NO		
4	11	F	29	NO	26	YES		
5	11	F	37	NO	27	YES		
6	12	F	51	YES	52	YES		
7	11	F	4	YES	56	YES		
8	11	М	36	YES	62	YES		
9	10	F	41	YES	67	YES		
10	11	F	43	YES	57	YES		
11	11	М	39	YES	15	NO		
12	11	F	65	NO	71	YES		
13	11	М	60	NO	29	NO		
14	11	F	73	NO	12	YES		
15	11	М	13	NO	18	NO		
16	11	F	8	YES	6	YES		
17	11	F	42	YES	38	YES	6	YES
18	12	F	23	YES	53	YES	52	NO
19	11	М	21	YES	5	YES		
20	11	М	3	NO	13	NO		
21	12	М	37	NO	54	YES		
22	12	М	56	YES	7	NO		
23	11	М	27	YES	70	NO		
24	11	М	51	YES	72	YES		
25	11	М	63	NO	68	YES		

PARTICIPANI	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	12	М	17	YES	53	NO		
2	12	М	24	NO	27	NO		
3	12	F	70	NO	7	NO		
4	13	М	66	YES	59	NO		
5	12	М	29	NO	27	YES		
6	13	F	37	YES	64	NO		
7	12	М	44	YES	51	YES	69	NO
8	12	F	61	NO	52	YES	19	YES
9	12	F	47	NO	72	NO	67	YES
10	12	М	44	NO	55	NO	63	NO
11	12	М	56	NO	62	YES		
12	13	М	71	YES	9	NO	21	NO
13	12	М	8	YES	57	NO	22	YES
14	12	F	18	NO	40	NO	28	YES
15	12	М	53	YES	25	NO	32	YES
16	12	М	35	YES	33	NO	26	NO
17	12	М	30	YES	68	YES		

PARTICIPANI	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	13	М	31	YES	34	YES	18	YES
2	13	F	44	NO	47	NO	71	YES
3	14	F	50	YES	62	YES	43	YES
4	12	F	67	NO	63	NO		
5	13	F	40	NO	57	YES		
6	13	М	28	NO	70	NO		
7	13	М	29	YES	46	NO	20	YES
8	13	М	53	YES	69	NO	74	YES
9	13	F	30	NO	8	YES		
10	13	F	35	YES	21	NO		
11	13	F	9	NO	37	NO		
12	13	М	27	YES	59	YES		
13	13	М	64	NO	65	YES	67	YES
14	13	М	60	NO	36	NO	13	NO
15	13	F	7	NO	2	NO	33	NO
16	13	М	11	YES	38	NO	51	YES
17	13	М	24	NO	23	YES	63	NO
18	13	М	5	NO	73	NO	52	YES

PARTICIPANI	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	11	М	8	NO	35	YES	52	NO
2	11	F	21	NO	43	YES	62	YES
3	11	F	37	YES	27	YES	39	YES
4	11	М	33	NO	56	NO	38	YES
5	11	F	66	NO	59	NO	17	NO
6	11	М	7	NO	48	YES	60	YES
7	11	F	22	YES	16	YES	18	NO
8	11	М	67	YES	5	NO		
9	11	М	13	NO	29	NO		
10	11	М	73	YES	53	NO		
11	11	F	10	YES	51	YES		
12	11	F	55	YES	63	NO		
13	11	F	9	NO	8	NO		
14	11	М	12	YES	21	YES		
15	11	F	9	NO	37	NO		
16	11	F	27	YES	61	YES		
17	11	М	56	YES	72	NO		
18	11	М	6	NO	7	NO		
19	12	М	39	YES	60	YES		
20	11	М	3	YES	52	NO		
21	11	М	46	YES	62	YES		
22	11	F	23	YES	58	NO		

PARTICIPANI	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	12	М	45	YES	22	NO	72	NO		
2	13	F	62	YES	57	NO	55	YES		
3	12	F	18	NO	16	NO	28	YES		
4	13	М	71	YES	32	YES	12	NO		
5	12	F	29	NO	10	NO	26	NO		
6	13	М	14	NO	4	NO	1	YES		
7	13	F	47	NO	42	YES	7	NO	62	YES
8	12	F	3	YES	21	YES	70	NO	18	NO
9	13	М	37	NO	44	YES	61	NO		
10	12	М	27	NO	47	YES	36	NO		
11	12	М	68	YES	75	NO	19	YES		
12	13	М	36	YES	40	NO	52	NO		
13	12	F	34	YES	57	NO	67	NO	53	YES
14	12	М	31	NO	50	YES	29	YES	60	YES
15	12	М	49	YES	23	YES	74	NO		
16	12	М	69	NO	30	NO	65	YES		
17	12	М	34	NO	71	YES	64	YES		

PARTICIPANI	AGE	GENDER	QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1	13	М	68	NO	50	YES	70	NO
2	13	М	29	YES	34	YES	74	YES
3	13	F	53	YES	40	NO	38	YES
4	13	F	37	NO	56	NO	65	NO
5	13	М	47	YES	40	NO	19	YES
6	14	М	30	NO	3	YES	13	NO
7	13	М	20	YES	27	NO	68	YES
8	14	М	69	NO	51	YES	5	NO
9	13	М	8	NO	62	YES	22	NO
10	14	М	25	NO	41	YES	11	YES
11	13	М	18	NO	21	YES	71	YES
12	13	F	14	YES	29	YES	9	NO
13	14	М	32	YES	56	NO	63	NO
14	14	М	7	YES	35	YES	62	YES
15	14	F	13	NO	52	YES	72	YES
16	13	F	4	NO	2	YES	70	YES
17	13	F	66	YES	47	YES		
18	13	F	24	YES	53	NO		