



Construction Of A Tool To Study Safety And Security Of Children In Schools

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Introduction

Their formative years, children spend more time at school than anywhere else other than their own home. At school, children need a secure, positive, and comfortable environment to help them learn and grow. A safe learning environment is essential for students of all ages.

Without that they are unable to focus on learning the skills needed for a successful education and future. The issue of school safety is a major concern at all levels of government from local to federal.

"School Safety" has been defined as creating a safe environment for children, starting from their homes to their schools and back. This includes safety from any kind of abuse, violence, psycho-social issue, disaster: natural and manmade, fire, transportation. Emotional safety is especially important because it is often difficult for teachers and parents to detect emotional problems and difficulties in children. Bullying can cause victimized students to suffer from lower self-esteem and daily stress about their well-being.

Government norms of safety and security of children in schools

Supreme Court's Directive on School Safety Norms in India In a significant ruling, the Supreme Court ordered that no new government or private school would be given affiliation if the building did not have fire safety measures and earthquake resistant structure. Pained by the heart-rending death of 93 children in a fire at a Kumbakonam school in Tamil Nadu five years ago, a Bench comprising Justice H Dhanoo said, "Children cannot be compelled to receive education from an unsound and unsafe building."

Referring to painful incidents involving death of school children due to fire in Kumbakonam as well as Dabwali in Haryana in 1995, the Bench said, "It has become imperative that safety measures as prescribed by the National Building Code of India, 2005, be implemented by all government and private schools functioning in our country."

The other directions to all state governments are:

- * All existing government and private schools shall install fire extinguishing equipment within a period of six months
- * School buildings are to be kept free from inflammable and toxic material or stored safely
- * Evaluation of structural aspect of the school building must be carried out periodically
- * School staff must be well-trained to use the fire-extinguishing equipment.

Construction of a tool

Based on the manual of NCPCR-2017, I have Created my research tool titled" child safety and security checklist from the school.

This checklist based on 5 dimensions as detailed below-

- 1.Physical safety and security -24 questions
- 2.Emotional and social safety and security-12 questions
- 3.Health and hygiene safety and security --10 questions
- 4.Disaster safety and security --10 questions
- 5.Cyber safety and security --14 questions

Marking rules

The presented tool is based on yes and no answer type questions and each correct answer carries one marks.

Definition of Reliability

Reliability is defined as the probability that a product, system, or service will perform its intended function adequately for a specified period of time, or will operate in a defined environment without failure.

The most important components of this definition must be clearly understood to fully know how reliability in a product or service is established:

Calculation of Reliability

I put this tool on a small sample based on the results of which I determined the reliability by split aff method which is as follows.

	X	Y	Σ^x	Σ^y	Σ^{x^2}	Σ^{y^2}	Σ_{xy}
	65	62	2	2	4	4	4
	63	65	0	1	0	1	0
	66	65	3	1	9	1	3
	64	65	1	1	1	1	1
	66	65	3	1	9	1	3
	62	63	-1	1	1	1	1
	62	65	-1	-1	1	1	-1
	66	65	3	1	9	1	3
	64	65	2	1	4	1	2
	62	63	-1	-1	1	1	1
	62	63	-1	-1	1	1	1
	62	65	-1	1	1	1	-1
	64	66	-1	2	1	4	2
	62	61	-1	-3	1	9	3
	62	63	-1	-1	1	1	1
	64	65	2	2	4	4	4

	62	62	-1	-2	1	4	2
	63	65	0	-2	0	4	0
	62	64	-1	0	1	0	0
	62	63	-1	-1	1	1	1
	62	68	-1	4	1	16	-4
	65	62	-2	-2	4	4	-4
	63	62	0	-2	0	4	0
	62	63	-1	-0	1	0	0
	63	64	0	0	0	0	0
Total	63.2	63.96	+7	+5	57	81	22

$$r = \frac{N\sum xy - \sum x \sum y}{\sqrt{[N\sum x^2 - (\sum x)^2][N\sum y^2 - (\sum y)^2]}}$$

$$= \frac{25 \times 22 - 7 \times 5}{\sqrt{[25 \times 57 - 49][25 \times 81 - 25]}}$$

$$= \frac{515}{\sqrt{1376 \times 2000}}$$

$$= \frac{515}{\sqrt{2752000}}$$

$$= \frac{515}{524.4}$$

$$= .98$$

Conclusion - I sent my tool to five different subject expert and they give me some suggestions and I followed them in my tool. So I calculate the face validity for my tool. Which is highly positive correlation so the test is high reliable. We can applied this test on safety and security of children in School research work.

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