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Construction and standardization of the girls' problem faced questionnaire

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Abstract

An attempt has been made to construct and standardize the problem faced questionnaire among the senior secondary girls. A well structure questionnaire was administered among them. The sample consists of 100 senior secondary girls randomly selected from the school situated in Kaithal district Haryana. Initially it was constructed with 160 statements posing a question which is related to problem faced generally. The questionnaire was standardized using 't' test and finally 72 statements were retained for the final study. The present research discusses about the development of the questionnaire to measure the level of problem faced among the senior secondary girls.

Keywords: Problem faced, senior secondary girls.

Introduction

It is known fact that the senior secondary stage is the period in which an individual starts thinking of claiming independent status and expressing the emotions in an unbalanced way participating in social process like competition, rivalry, assimilating social moral and values participating actively in sharing problems of the family obviously the individual at this stage are confronted with problems due to emerging self.

Operational Definition

These problems refer to fear of school activities; fear of teachers; rejection and indifference by teachers; incompetence of teachers; harsh, rude and sarcastic behavior of teachers; isolation; difficulties in teaching subjects and other handicaps at school. To carry out the present research 'Adolescents Girls' from 11th standard were chosen from the schools situated. Secondary School students are students of classes IX, X, XI and XII These are those students who are passing through the period of adolescence, which is the most important period of human's life. In the present study only students who were studying in class XI were taken up.

Objective of the Study

The main objective of the study is to develop a research tool which measures the level of problem faced among the senior secondary girls.

Methodology

From the 160 items 72 items have been selected. The problem faced final questionnaire consists of 72 items. The maximum score for a statement is 1 and the minimum score is 0. Therefore the tool can get a maximum score of 160 and a minimum score of 0. After having constructed the problem faced questionnaire, the investigator administered it to a sample of 100 senior secondary girls studying in the schools Kaithal district in Haryana. The respondents were asked to put a tick mark (\checkmark) within the brackets which is against the statement's answers. Then all the best papers of 100 senior secondary girls were scored carefully and the test papers were arranged in the descending order from highest to lowest score and subjected to statistical treatment.

Item Analysis

Item analysis is an important step in the standardization of a questionnaire. A pilot study is to find out the items which form the basis for item selection in order to build up the final study.

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Then 27% of the subjects with the highest total scores and 27% of subjects with the lowest total scores were sorted out for the purpose of the item selection.

Table 1: Independent sample t-test for the Item Selection

S. No	t-values	Selected items
1.	1.99	Selected
2.	3.08	Selected
3.	0.49	Not Selected
4.	0.50	Not Selected
5.	1.92	Not Selected
6.	1.35	Not Selected
7.	1.11	Not Selected
8.	0.76	Not Selected
9.	0.77	Not Selected
10.	0.42	Not Selected
11.	0.74	Not Selected
12.	0.96	Not Selected
13.	0.66	Not Selected
14.	2.34	Selected
15.	1.93	Not Selected
16.	0.83	Not Selected
17.	0.36	Not Selected
18.	0.30	Not Selected
19.	0.28	Not Selected
20.	0.23	Not Selected
21.	0.02	Not Selected
22.	0.16	Not Selected
23.	2.16	Selected
24.	0.16	Not Selected
25.	1.58	Not Selected
26.	0.37	Not Selected
27.	0.93	Not Selected
28.	0.47	Not Selected
29.	0.76	Not Selected
30.	1.36	Not Selected
31.	3.41	Selected
32.	0.81	Not Selected
33.	1.21	Not Selected
34.	0.05	Not Selected
35.	3.63	Selected
36.	0.37	Not Selected
37.	0.82	Not Selected
38.	0.38	Not Selected
39.	0.72	Not Selected
40.	0.60	Not Selected
41.	0.98	Not Selected
42.	1.54	Not Selected
43.	1.25	Not Selected
44.	2.54	Selected
45.	2.36	Selected
46.	1.90	Not Selected
47.	1.39	Not Selected
48.	1.98	Selected
49.	2.64	Selected
50.	1.61	Not Selected
51.	0.07	Not Selected
52.	1.99	Selected
53.	1.56	Not Selected
54.	2.43	Selected
55.	2.02	Selected
56.	2.42	Selected
57.	1.98	Selected
58.	1.18	Not Selected
59.	1.77	Not Selected
60.	2.59	Selected
61.	3.12	Selected

62.	2.37	Selected
63.	3.12	Selected
64.	1.56	Not Selected
65.	1.93	Not Selected
66.	1.92	Not Selected
67.	1.35	Not Selected
68.	2.24	Selected
69.	2.02	Selected
70.	0.15	Not Selected
71.	1.40	Not Selected
72.	1.96	Selected
73.	2.66	Selected
74.	2.30	Selected
75.	1.85	Not Selected
76.	0.18	Not Selected
77.	2.16	Selected
78.	3.50	Selected
79.	2.10	Selected
80.	1.04	Not Selected
81.	2.43	Selected
82.	0.06	Not Selected
83.	1.99	Selected
84.	1.72	Not Selected
85.	1.08	Not Selected
86.	0.48	Not Selected
87.	3.03	Selected
88.	1.60	Not Selected
89.	2.40	Selected
90.	2.85	Selected
91.	1.49	Not Selected
92.	2.29	Selected
93.	1.77	Not Selected
94.	2.44	Selected
95.	1.96	Selected
96.	0.18	Not Selected
97.	0.24	Not Selected
98.	2.38	Selected
99.	1.83	Not Selected
100.	2.61	Selected
101.	3.15	Selected
102.	2.18	Selected
103.	2.10	Selected
104.	1.30	Not Selected
105.	2.66	Selected
106.	1.56	Not Selected
107.	2.37	Selected
108.	1.97	Selected
109.	1.80	Not Selected
110.	1.99	Selected
111.	0.10	Not Selected
112.	1.99	Selected
113.	2.87	Selected
114.	3.07	Selected
115.	1.49	Not Selected
116.	3.12	Selected
117.	1.67	Not Selected
118.	2.36	Selected
119.	1.52	Not Selected
120.	2.35	Selected
121.	3.09	Selected
122.	1.77	Not Selected
123.	1.71	Not Selected
124.	2.16	Selected
125.	1.26	Not Selected
126.	2.21	Selected
127.	2.26	Selected
128.	2.57	Selected
129.	3.20	Selected

130.	2.33	Selected
131.	2.37	Selected
132.	2.87	Selected
133.	1.26	Not Selected
134.	2.76	Selected
135.	3.04	Selected
136.	2.73	Selected
137.	2.60	Selected
138.	2.60	Selected
139.	1.34	Not Selected
140.	2.18	Selected
141.	2.35	Selected
142.	1.98	Selected
143.	1.99	Selected
144.	1.76	Not Selected
145.	1.44	Not Selected
146.	0.18	Not Selected
147.	1.24	Not Selected
148.	1.81	Not Selected
149.	1.38	Not Selected
150.	1.60	Not Selected
151.	1.52	Not Selected
152.	1.42	Not Selected
153.	1.24	Not Selected
154.	0.60	Not Selected
155.	1.67	Not Selected
156.	3.51	Selected
157.	4.59	Selected
158.	2.66	Selected
159.	1.47	Not Selected
160.	2.74	Selected

From the above 160 items only 72 items have been selected.

Reliability and Validity

The scale has construct validity as the items were selected using t-value according to Henrye Garrett (1975). The questionnaire has content validity, as it was developed with the assistance of experts in the field of educational psychology. The reliability of the questionnaire was found out by using split- half technique. In the present study, reliability of the tool was found to be 0.95. The validity of tool was found to be 0.97.

Percentile

Percentile norm is a system of norms based on the percentiles within a specific reference group. The calculated percentiles are presented in Table – 2.

Table 2: The Percentile Norms for the Problems Faced among the Senior Secondary Girls

S. No	Percentile	Scores
1.	P ₇₅	130
2.	P ₅₀	95
3.	P ₂₅	40

Norms

The percentile norms have been calculated and are given in the following Table-3.

Table 3: The level of Problems Faced among the Senior Secondary Girls

S. No	Scores	Level
1.	Above 130	High
2.	Between 41 – 129	Average
4.	Below 40	Low

Mean = 86.64 S.D = 48.10

Conclusion

The scale will be very useful to measure the level of problems faced among the Senior Secondary girls.

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