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Development And Standardization Of An Emotional Confidence Scale (ECS)

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Abstract: Emotion is the generic term for subjective, conscious experience that is characterized primarily by psycho physiological expressions, biological reactions, and mental states. Confidence is generally described as a state of being certain either that a hypothesis or prediction is correct or that a chosen course of action is the best or most effective. Self-confidence is having confidence in oneself. The study of emotional confidence is a significant one and for which the investigator has decided to develop and standardize a scale to measure it.

Keyword: Development , Standardization , Emotional Confidence Scale , psycho physiological.

INTRODUCTION

Emotions have been described as discrete and consistent responses to internal or external events which have a particular significance for the organism. Confidence can be a self-fulfilling prophecy as those without it may fail or not try because they lack it and those with it may succeed because they have it rather than because of an innate ability. Researches confirm that emotional confidence can drive to positive impact on students learning. As there is no suitable tool available to study the school and college students emotional confidence scale, the investigator have decided to construct and standardize a scale to measure the students emotional confidence. This Likert type scale is a five- point scale of "Always", "Often", "Sometime", "Rarely" and "Never". 40 items have been collected from the various sources like Experts in Psychology, Teacher Educators, Books, Journals, Internet and so on.

PILOT STUDY

This scale with 40 items has been administered to the sample of 200 students studying in different higher secondary schools and different colleges of Kanchipuram District, Tamil Nadu, India, in order to carry out the pilot study. Then their responses have been scored carefully and their marks secured by all the samples have been arranged in the descending order from the highest scorer to the lowest scorer. Then they were subjected to item analysis.

ITEM ANALYSIS

The next step in the standardization of an emotional confidence scale after pilot study is to find out the t-value of each item, which forms the basis for item selection in order to build up the final scale. The Likert type scale calls for a graded response to each item on a five-point scale ranging from "Always", to "Never". The individual score for all the 200 students and teachers were ranked from the highest to the lowest score. Then 25% of the subjects with the highest total scores and 25% of the subjects with the lowest total scores were sorted out for the purpose of item selection. The high and low groups, were selected, formed the criterion groups and each group was made up of 50 students (Edward. L. Allen, 1957).

It may be recalled that each item is followed by five different responses of "Always", "Often", "Sometime", "Rarely" and "Never" in the mental health scale. Then each item was taken individually and the number of students who responded "Always", "Often", "Sometime", "Rarely" and "Never" was found out both the high and low groups separately. Thus for all the 40 items, the number of students coming under each category was found out separately for both the high and low groups and the t-values for all the 40 items have been calculated with the formula suggested by Allen Edwards(1957). As many as 36 items having the t-value greater than or equal to 1.75 (Edward. L. Allen, 1957) have been chosen in order to form the final scale (vide: Table-I). Then this final scale has been administered to 200 students studying in different higher secondary schools and different colleges of Kanchipuram District, Tamil Nadu, India, in order to establish the scoring procedure, validity and reliability of this scale.

TABLE – I
ITEM SELECTED FOR ECS

Item Number	't' Value	Item selected
1	7.08	S
2	7.02	S
3	6.93	S
4	6.08	S
5	1.52	NS
6	6.52	S
7	5.82	S
8	1.29	NS
9	5.62	S
10	5.46	S
11	6.42	S
12	5.98	S
13	5.42	S
14	5.32	S
15	4.86	S
16	4.02	S
17	3.98	S
18	3.06	S
19	5.06	S
20	4.94	S
21	6.24	S
22	6.08	S
23	5.94	S
24	5.06	S
25	4.94	S
26	4.02	S
27	3.98	S
28	2.96	S
29	5.60	S
30	4.32	S
31	5.94	S
32	4.82	S
33	4.62	S
34	3.96	S
35	3.08	S
36	0.96	NS
37	6.02	S
38	5.26	S
39	2.86	S
40	1.24	NS

S – Selected NS – Not selected

SCORING PROCEDURE

The emotional confidence scale has 36 items, out of which 26 items are positively worded and the remaining 10 items are negatively worded. An individual score is the sum of the scores of all the 36 items. The scores range from 36 to 180. Higher score indicates the high emotional confidence and the details of scoring are given in the following table.

The scoring to the response given by the respondents should be like the following

TABLE – II

Response	Positive	Negative
Always	5	1
Often	4	2
Sometime	3	3
Rarely	2	4
Never	1	5

RELIABILITY:

Reliability refers to the consistency with which a test measures, whatever it measures. The concept of reliability suggests both stability and consistency of measurement. The investigator calculated the reliability analysis and it was given in the following table.

TABLE – III
TABLE SHOWING THE RELIABILITY METHOD AND CO-EFFICIENT VALUES

METHOD OF RELIABILITY ANALYSIS	RELIABILITY CO-EFFICIENTS
Correlation between forms	0.836
Equal-length Spearman-Brown	0.872
Guttman Split-half	0.825
Unequal-length Spearman-Brown	0.814

VALIDITY:

Validity reveals the merits of our measurement. This emotional confidence scale was given to the experts (20 members) in order to find out its content validity. The experts agreed that the items in the scale provided adequate coverage of the concept. This emotional confidence scale also has construct validity.

CONCLUSION

The investigator believe that this scale would be a contribution to the field of emotional confidence in Psychology and those who want to measure the emotional confidence anywhere in this country will find this scale very useful.

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