ISSN: 2347-2723 Impact Factor : 2.0210(UIF) Volume - 3 | Issue - 11 | June - 2016

Review of Literature

COMPARATIVE LOGICAL THINKING IN DISABLED CHILDREN

Dr. Har Narayan
Assistant Professor in B.Ed College – Ghaziabad Institute of Managment and Technology, Duhai (Ghaziabad) U.P India.

Co - Author Details :

Dr. Anju Agarwal
Associate Professor Faculty of education and Allied sciences in M.J.P Rohilkhand University Bareilly (U.P) india.

ABSTRACT

Logical thinking test scores of the disabled respondent students of various categories have been presented in table 4.01 and 4.02 and figures 1, 2 and 3. The logical thinking test scores achieved by the respondents on an overall basis were 19.02±0.41 (median 19; mode 19) with standard deviation 8.15 (minimum 3, maximum 42 and range 39) in 400 observations.

KEYWORDS :Engagement, Retention, Banks etc.

INTRODUCTION

The logical thinking test scores achieved by the normal respondents were 25.52±0.82 (median 26; mode 25) with standard deviation 8.21 (minimum 6, maximum 42 and range 36) in 100 observations whereas the scores in disabled child were 16.85±0.40 (median 18; mode 18) with standard deviation 6.90 (minimum 3, maximum 34 and range 31) in 300 observations. As far as the disabled chidren were concerned, logical thinking test scores achieved by the dyslexia child were 16.50±0.68 (median 17; mode 16) with standard deviation 6.85 (minimum 3, maximum 34 and range 31) in 100 observations, Dysgraphia child were 16.82±0.69 (median 18; mode 20) with standard deviation 6.93 (minimum 3, maximum 34 and range 31) in 100 observations and dyscalculia child were 17.24±0.70 (median 18; mode 18) with standard deviation 6.96 (minimum 3, maximum 34 and range 31) in 100 observations,

The logical thinking test scores achieved by the normal boy respondent students were 25.88±1.18 (median 26; mode 26) with standard deviation 8.35 (minimum 6, maximum 42 and range 36) in 50 observations, whereas the scores in girl respondent students were 25.16±1.15 (median 26; mode 25) with standard deviation 8.13 (minimum 7, maximum 41 and range 34) in 50 observations. The logical thinking test scores achieved by the boy disabled respondent students were 16.55±0.56 (median 17; mode 20) with standard deviation 6.81 (minimum 3, maximum 32 and range 29) in 150 observations whereas the scores achieved by the girl respondent students were 17.15±0.57 (median 18; mode 18) with standard deviation 7.00 (minimum 3, maximum 34 and range 31) in 150 observations.

The logical thinking test scores achieved by the normal rural respondent students were 25.28±1.18 (median 26; mode 25) with standard deviation 8.35 (minimum 6, maximum 42 and range 36) in 50 observations, whereas the scores in urban respondent students were 25.76±1.15 (median 26; mode 25) with standard deviation 8.14 (minimum 7, maximum 41 and range 34) in 50 observations. The logical thinking test scores achieved by the rural disabled respondent students were 16.53±0.56 (median 18; mode 18) with standard deviation 6.89 (minimum 3, maximum 34 and range 31) in 150 observations whereas the scores achieved by the urban respondent students were 17.18±0.56 (median 18; mode 17) with standard deviation 6.91 (minimum 3, maximum 34 and range 31) in 150 observations.

Table 4.1.1: Comparative Logical thinking in Disabled Child.

Subjects		Mean ± SEM	Median	Mode	SD	MIN	MAX	Range	Count
NO		25.52±0.82	26	25	8.21	6	42	36	100
DL		16.50±0.68	17	16	6.85	3	34	31	100
DG		16.82±0.69	18	20	6.93	3	34	31	100
DC		17.24±0.70	18	18	6.96	3	34	31	100
DA		16.85±0.40	18	18	6.90	3	34	31	300
NO	**B**	25.88±1.18	26	26	8.35	6	42	36	50
	G	25.16±1.15	26	25	8.13	7	41	34	50
DA	**B**	16.55±0.56	17	20	6.81	3	32	29	150
	G	17.15±0.57	18	18	7.00	3	34	31	150
NO	**R**	25.28±1.18	26	25	8.35	6	42	36	50
	U	25.76±1.15	26	25	8.14	7	41	34	50
DA	**R**	16.53±0.56	18	18	6.89	3	34	31	150
	U	17.18±0.56	18	17	6.91	3	34	31	150
Overall		19.02±0.41	19	19	8.15	3	42	39	400

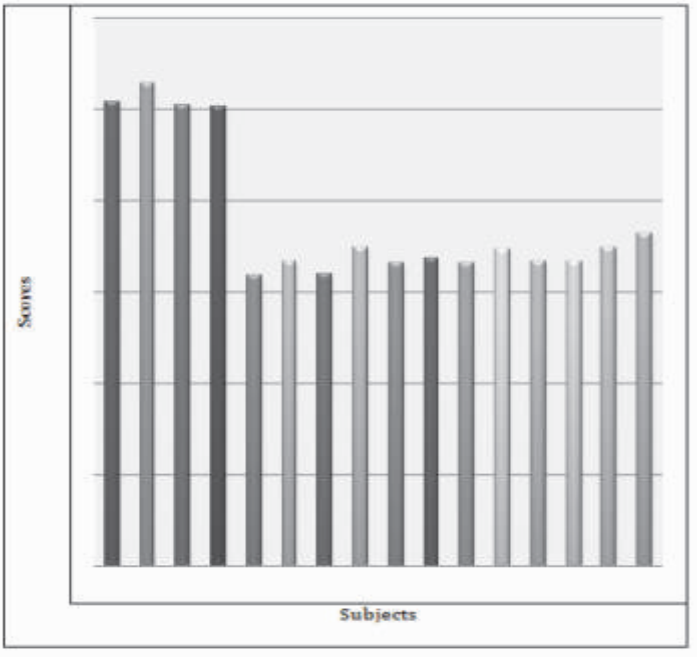
NO-> Normal, DL->Dyslexia, DG-> Dysgraphia, DC-> Dyscalculia-> DA-> Disabled, B->Boys, G-> Girls, R-> Rural, U-> Urban SEM-> Standard error of mean, SD-> Standard Deviation, MIN-> Minimum score, MAX, Maximum score.

Table 4.1.2: Comparative Interacted Logical thinking in Disabled Child.

Subjects	Mean ± SEM	Median	Mode	SD	MIN	MAX	Range	Count
NO, B, R	25.36±1.73	26	25	8.64	6	42	36	25
NO, B, U	26.40±1.64	26	32	8.21	11	41	30	25
NO, G, R	25.20±1.65	25	25	8.23	7	41	34	25
NO, G, U	25.12±1.64	26	25	8.20	7	40	33	25
DL, B, R	15.92±1.39	16	20	6.93	3	32	29	25
DL, B, U	16.68±1.38	17	17	6.92	3	32	29	25
DL, G, R	16.00±1.36	17	19	6.82	3	34	31	25
DL, G, U	17.40±1.41	18	18	7.04	3	34	31	25
DG, B, R	16.60±1.37	18	20	6.83	3	32	29	25
DG, B, U	16.80±1.43	17	16	7.15	3	32	29	25
DG, G, R	16.56±1.40	18	19	7.02	3	34	31	25
DG, G, U	17.32±1.42	18	21	7.10	3	34	31	25
DC, B, R	16.64±1.35	18	18	6.75	3	32	29	25
DC, B, U	16.68±1.38	17	17	6.92	3	32	29	25
DC, G, R	17.44±1.51	18	18	7.56	3	34	31	25
DC, G, U	18.20±1.38	18	21	6.90	3	34	31	25

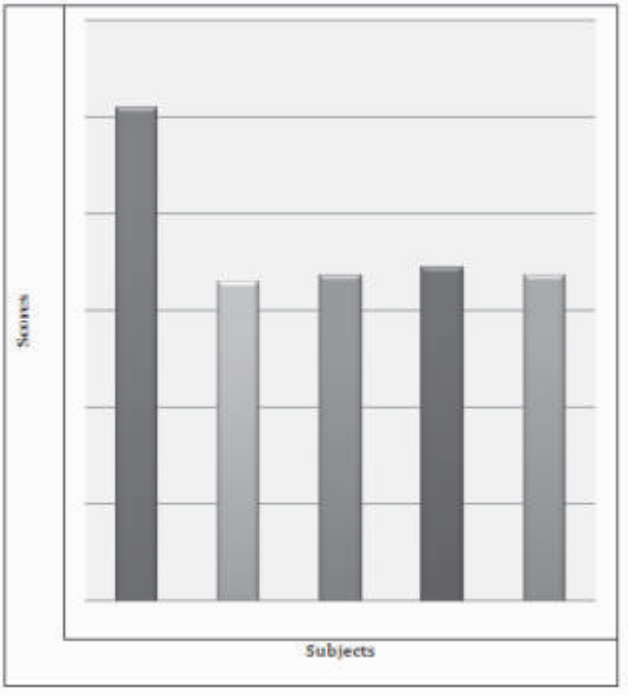
NO-> Normal, DL->Dyslexia, DG-> Dysgraphia, DC-> Dyscalculia-> DA-> Disabled,
B->Boys, G-> Girls, R-> Rural, U-> Urban SEM-> Standard error of mean, SD-> Standard Deviation, MIN-> Minimum score, MAX, Maximum score.

Figure 1.1: Comparative Logical thinking in Disabled Children.



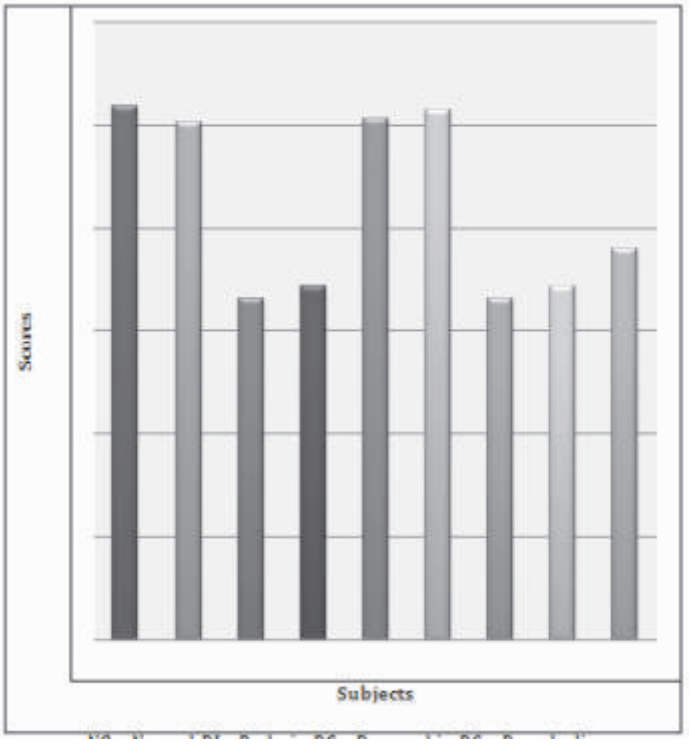
NO-> Normal, DL->Dyslexia, DG-> Dysgraphia, DC-> Dyscalculia,
B->Boys, G-> Girls, R-> Rural, U-> Urban

Figure 1.2: Comparative Logical thinking in Disabled Children.



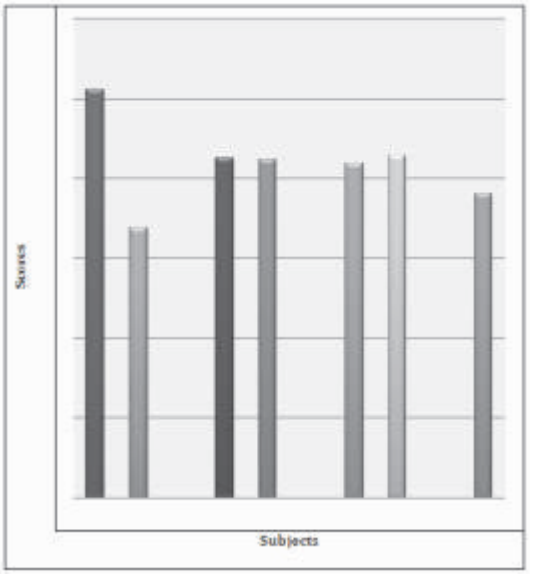
NO-> Normal, DL->Dyslexia, DG-> Dysgraphia, DC-> Dyscalculia, DA-> Disabled

Figure 1.3: Comparative Logical thinking in Disabled Children.



NO-> Normal, DL->Dyslexia, DG-> Dysgraphia, DC-> Dyscalculia,
B->Boys, G-> Girls, R-> Rural, U-> Urban

Figure 1.4: Comparative Logical thinking in Disabled Children.



NO-> Normal, DL->Dyslexia, DG-> Dysgraphia, DC-> Dyscalculia,
B->Boys, G-> Girls, R-> Rural, U-> Urban

The logical thinking scores achieved by the normal rural boy respondent students were 25.36±1.73 (median 26; mode 25) with standard deviation 8.64 (minimum 6, maximum 42 and range 36) in 25 observations by the urban boy respondent students the scores were 26.40±1.64 (median 26; mode 32) with standard deviation 8.21 (minimum 11, maximum 41 and range 30) in 25 observations whereas the scores achieved by the rural girl respondent students were 25.20±1.65 (median 25; mode 25) with standard deviation 8.23 (minimum 7, maximum 41 and range 34) in 25 observations and by the urban girl respondent students the scores were 25.12±1.64 (median 26; mode 25) with standard deviation 8.20 (minimum 7, maximum 40 and range 33) in 25 observations.

REFERENCE

Funnell, R., Koutoukidis, G. & Lawrence, K. (2008).Tabbner's Nursing Care: Theory and Practice. Elsevier Australia.

Gamino, J.F., Chapman, S.B., Hull, E.L. & Lyon, G.R. (2010).Effects of higher-order cognitive strategy training on gist reasoning and fact-learning in adolescents.Front. Psychol. Retrieved from http://journal.frontiersin.org/Journal/10.3389/fpsyg.(2010).00188/full.

Gardner, H., & Hatch, T. (1989). Multiple intelligences go to school: Educational implications of the theory of multiple intelligences. Educational Researcher, 18, 8, 4-10.

Garrett, A.J., Mazzocco, M.M.M. & Baker, L. (2006).Development of the Metacognitive Skills of Prediction and Evaluation in Children With or Without Math Disability. Learning Disabilities Research & Practice, 21, 2, 77–88,

Garrett, H.E. (1981). Statistics in Psychology and Education.Vaklis, Fetter and Simons, Bombay.

Gathercole, S.E., Alloway, T.P., Willis, C. & Adams, A.M. (2006).Working memory in children with reading disabilities. Journal of Experimental Child Psychology, 93, 3, 265-281.

Gay, G. (2002). Culturally responsive teaching in special education for ethnically diverse students: Setting the stage. International Journal of Qualitative Studies in Education, 15, 6, 613-629.