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... I nj I åk'/ku foKku fo"k; krhy ifj l Fkk ÄVdkl kBh mi ; p vkg

e; khk

f- ÄLrq I åk'/ku i åjij I k[k]; k fue'kgjh Hkkxrhy 'kkGkj rse; klnr vkg

"- ÄLrq I åk'/ku b- ^ ohP; k fo | kF; kijrp e; klnr vkg

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v-dz	i ppkpk.kh ½20 i Sh½	mRrjpko.kh ½20 i Sh½	Xkqkrhy Qjd D¹	Ojdkpk oxz D²
1	9	18	9	81
2	4	13	9	81
3	3	12	9	81
4	6	17	11	12
5	4	18	14	196
6	4	19	15	225
7	3	18	15	225
8	4	18	14	196
9	10	16	6	36
10	3	13	10	100
11	4	18	14	196
12	4	12	08	64
13	10	18	8	64
14	08	13	5	25
15	4	16	12	144
16	6	12	6	36
17	6	9	3	9
18	6	15	9	81
19	3	12	9	81
20	5	11	6	36
21	4	17	13	169
22	5	14	9	81
23	7	17	10	100
24	10	14	4	16
25	09	13	4	16
26	10	15	5	25
27	11	17	6	36
28	9	13	4	16
29	12	16	4	16
30	8	12	4	16
31	7	13	6	36
32	10	14	4	16
33	11	16	5	25
34	12	15	3	09
35	6	13	7	49
36	5	14	9	81
37	10	16	6	36
38	11	17	6	36
39	7	15	8	64

40	9	14	5	25
41	6	13	7	49
42	11	17	6	36
43	10	16	6	36
44	8	12	4	16
45	12	16	4	16
46	7	13	6	36
47	10	14	4	16
48	11	16	5	25
49	12	15	3	09
50	6	13	7	49
			D = 336	D ² 3234

$$t = \sqrt{\frac{\sum D}{\frac{N \sum D^2 - (D)^2}{N-1}}}$$

$$t = \sqrt{\frac{366}{\frac{50 \times 3234 - (366)^2}{49}}}$$

$$= \sqrt{\frac{366}{\frac{1700-133956}{49}}}$$

$$= \sqrt{\frac{366}{566.20}}$$

$$t = 15.88$$

vFktuoþu

; ko: u vI sfnI w ; ssdH] ÁklrE eY; kph çder yf...ygh Vçy t eY; ki çkk ¼,-%½vf/kd vI Y; keGs' kH; ifjdYi upk R; kx d: u I ák'/ku ifjdYi upk Lohdkj dýsyk vkg

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brj fu"dk

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baxth I nHkZ

- 1.Bassandra Suresh K (2002) Computer Today
- 2.Best John, Khan James, Research in Education (9th Edi), New Delhi prentice-Hall of India Private Limited.
- 3.Gaur Ajai, Gaur Sanjaya (2007) Statistical Methods for practice and Research, Response Books A division of sage publication.
- 4.Kristine, M. Alpi. (2004) An introduction to computer assisted qualitative Date analysis software. HYPOTHESIS, The Journal of Journal of the Research section of MLA 1 & 9-10
- 5.Leon A Lexis, Leon Mathews, (1999), Introduction computers, New Delhi, Vikas Publishing House Pvt. Ltd.
- 6.Wiersma William, (1986)., Research Massachusetts, Allyn and Bacon Inc. 7 wells Avenue, Newton.

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Internet I nHkZ

- 1.<http://www.socresonline.org.uk/3/3/4html>
- 2.<http://www.nyu.edu/its/pubs/>
- 3.<http://www.archieves/01spring/yaffeesplus.htm/>
- 4.<http://www.systat.com/products/systat#>

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