

FLANGAN Melhod (7) वास्य वाम 100 उत्तर पाहरुमामां भी प्राथक मही हो । जिल्ला के स्ट्रावाहर 34x 91 29/2 (9/20/0) -1-4 an 29/ (9/, - 20/) 342 90 91 01-4 90 9/2 901 7510 अगर कि के प्राप्ट Method on uppersol Lower ्यार - ८५ द्वार माठा का कासिर, पर वार - ८५ द्वार माठायः पप लडे माठा पर Educational Testing Service Meltros Battom 10 Asswer Sheels ocsuot indicate function of Difficulty 7-17 Diserimination 10 papers Wo NO 10 papers Bollighelly between -> \$17 - 4 more llean 1> out of uf less their > Ancious Difficult

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FIZAHIPANA Reliability and Frenkos-1. anvilla (24 min) minar word भागा भागड़ की प्रदूषराग्रण विकासिम 51711 1. 4x/NOT ast C/2013 - 2+2 20132251 at 492011 2. भारकां की जिमदल अमरा की करी 19244114201 ON =9217/2 1 Test-Relest- Method Content Balance, loisevinalty ower, Degree of D Silit half & Melhod 1 Brect even Naumberd ld-numberd -

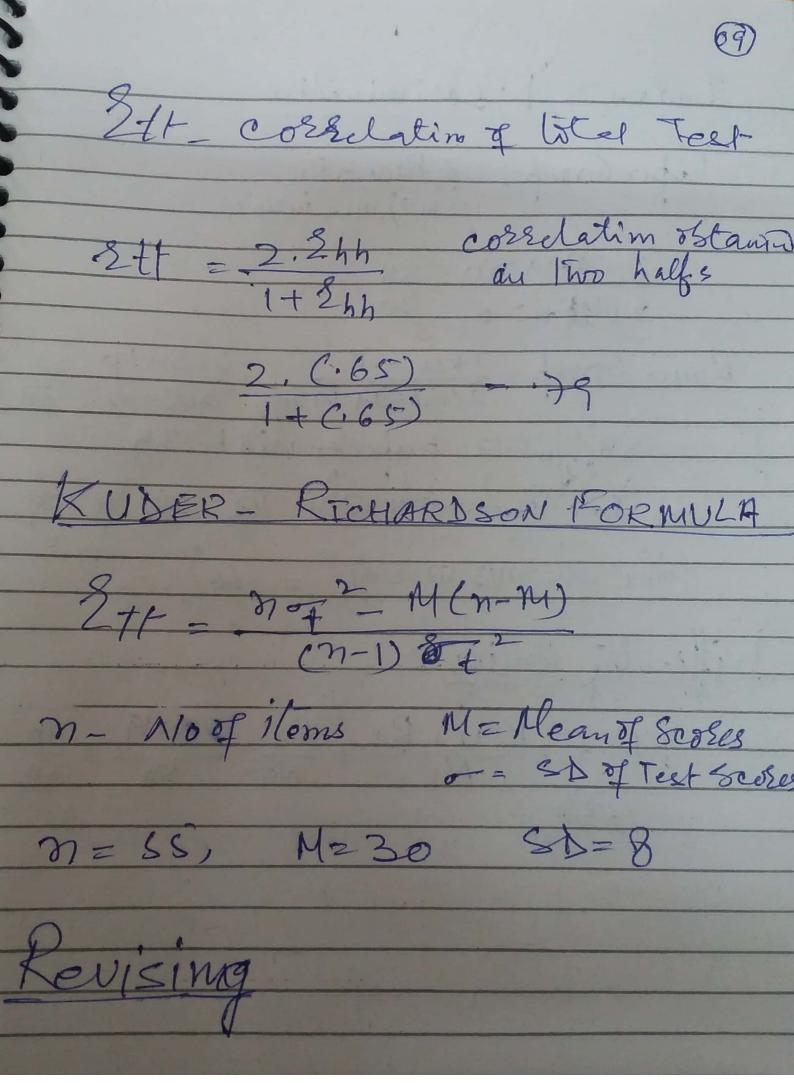


Table 11–4. Product Moment Correlation Coefficients Corresponding to Various Proportions of Successes in the 29% Scoring Highest and Lowest\*

Percentage of successes in the 29% scoring highest (top 9% weighted 2, next 20% weighted 1)

|           |    | 1              | 2     | 3     | 4     | 5     | 10    | 15                    | 20    | 25    | 30    | 35         | 40    | 45         | 50    | 55  | 60   | 65  | 70  | 75  | 80  | 85       | 90  | 95  | 96       | 97       | 98 | 99       |
|-----------|----|----------------|-------|-------|-------|-------|-------|-----------------------|-------|-------|-------|------------|-------|------------|-------|-----|------|-----|-----|-----|-----|----------|-----|-----|----------|----------|----|----------|
|           | 1  | 00<br>-10      | 10    |       | 21    | 24    | 3     | 45                    |       | 55    | 59    | 62         | 65    | 67         | 70    | 72  | 74   | 77  | 78  | 81  | 83  | 85       | 87  | 90  | 91       | 92       | 93 | 94       |
|           | 3  | -16            | 00    | 06    | 05    | 15    | 28    | 36                    | 43    | 47    | 52    | 55         | 59    | 62         | 64    |     |      |     |     |     | 10  | 82       |     |     | 89       |          | 91 | 93       |
|           | 4  |                |       | -     | 0.0   | 0,2   |       | 30                    |       | 42    | 47    | 51         | 55    | 58         | 61    | 64  | 66   | 69  | 72  | 75  | 77  | 80       | 83  | 87  | 88       | 89       | 90 | 92       |
|           | 5  | -21<br>-24     |       | -09   |       |       | 17    | 26                    |       | 38    |       |            |       | 54         | -     |     | - 00 | 66  | 69  | 72  | 75  | 78       | 81  | 86  | 87       | 88       | 89 | 91       |
| lowest    | 10 | -37            |       |       |       |       | 14    | 23                    |       | 34    | 40 28 |            |       |            |       |     |      |     |     | 70  |     | 77       | 80  |     | 86       |          | 89 | 90       |
|           | 15 | -45            |       |       |       |       |       |                       | - 37  |       |       |            |       |            | 45    | 49  | -    |     |     | 63  |     | 70       | 75  | 80  | 81       | 83       | 85 | 87       |
| (e)       | 20 | -50            |       |       |       |       |       |                       |       | 14    | 19    |            |       | 33<br>26   | 37    |     |      |     |     | 57  | -   | 65       | 70  | 77  | 78       | 80       | 82 | 85       |
|           | 25 | -55            | -47   | -42   | -38   | -34   | -23   | -14                   | -06   | 00    | 06    |            | 16    |            |       | 35  | 39   | 43  |     | 52  |     | 61<br>57 | 66  | 73  | 75<br>72 | 77 75    | 79 | 83       |
| fwice)    | 30 | -59            |       |       |       |       |       |                       |       |       |       |            | -     |            | 20    | 24  | 28   | 33  | 38  | 42  |     |          | -   |     |          |          |    |          |
| I pwic    | 35 | -62            | -55   | -51   | -47   | -44   | -32   | -24                   | -17   | -11   | -05   | 00         | 05    | 10         | 14    | 19  | 24   | 28  |     | 38  |     | 53       | 59  | 67  | 69       | 72<br>69 | 75 | 78<br>77 |
|           | 40 | -65            | -59   | -55   | -51   | -48   | -37   | -29                   | -22   | -16   | -10   | -05        | 00    | 0.5        | 10    | 14  | 19   | 24  | 28  | 34  | 39  | 45       | 52  | 61  | 63       | 66       | 70 | 74       |
| counted   | 45 | -67            | -62   | -58   | -54   | -51   | -41   | -33                   | -26   | -20   | -15   | -10        | -05   | 00         | 05    | 10  | 14   | 19  | 24  | 29  | 35  | 41       | 49  | 58  | 61       | 64       | 67 | 72       |
| соп       | 50 | -70            | -64   | -61   | -57   | -55   | -45   | -37                   | -31   | -25   | -20   | -14        | -10   | -05        | 00    | 05  | 10   | 14  | 20  | 25  | 31  | 37       | 45  | 55  | 57       | 61       | 64 | 70       |
| ttom 9% c |    | -72            |       |       |       |       |       |                       |       |       |       |            |       |            |       |     |      | 10  | 15  | 20  | 26  | 33       | 41  | 51  | 54       | 58       | 62 | 67       |
| m         | 60 | -74            | -70   | -66   | -63   | -61   | -52 - | -45                   | -39 - | -34   | -28   | -24        | -19   | -14        | -10   | -05 | 00   | 05  | 10  | 16  | 22  | 29       | 37  | 48  | 51       | 55       | 59 | 65       |
| bottom    | 70 | -77<br>-78     | -75   | -72   | -69   | -67   | -50 · | <del>-49</del><br>-53 | _43 - | -38   | -33   | -28        | -24   | -19        | -14   | -10 | -05  | 00  | 05  | 11  | 17  | 24       | 32  | 44  | 47       | 51       | 55 | 62       |
| (90       | 75 |                |       |       |       |       |       |                       |       |       |       |            |       |            |       |     |      |     |     | 06  | 12  | 19       | 28  | 40  | 43       | 47       | 52 | 59       |
|           | 80 | -81 -<br>-83 - | -79   | _77 - | -75   | -73 - | -66 - | -61                   | -56 - | -52   | 42    | -38<br>-43 | -34   | -29<br>-35 | -25   | -20 | -16  | -11 | -06 | 00  | 06  | 14       | 23  | 34  | 38       | 42       | 47 | 55       |
|           | 85 | -85 -          | -82 - | -80 - | -78   | -77 - | -70 - | -65                   | -61 - | -57 - | -53 - | -49        | -45   | -41        | -37   | -33 | -29  | -24 | -12 | -00 | _08 | 08       | 17  | 29  | 33       | 37       | 43 | 50       |
|           | 90 | -87 -          | -85 - | -83 - | -81 - | -80 - | -75 - | -70 -                 | -66 - | -63 - | -59 - | -56        | -52   | _49        | 45    | _41 | _37  | -32 | 20  | 22  | 17  | 10       | 10  | 23  | 26       | 30       | 36 | 45       |
|           | 95 | -90 -          | -89 - | -8/ - | -86 - | -84 - | -80 - | -11 -                 | -/3 - | -/0 - | -67 - | -64        | -61   | -58        | -55   | -51 | _48  | _11 | 40  | 24  | 20  | 22       |     | 14  | 17       | 22       | 28 | 37       |
|           | 96 | -91 -          | -89 - | -88 - | -8/ - | -80 - | -81 - | -/8 -                 | -13 - | -12 - | -69 - | -66        | -63   | -61        | -57   | -54 | -51  | -47 | -43 | -38 | -33 | -26      | _17 | 00  | 04       | 09       | 15 | 24       |
|           | 97 | -92 -          | 90 -  | 89 -  | - 88  | -87 - | 83 -  | - 80                  | -77 - | 75 -  | -72 - | -69 -      | -66 . | _64 .      | -61   | -58 | 55   | 51  | 47  | 42  | 27  |          |     |     |          |          | 11 | 21       |
|           |    |                |       |       |       |       |       |                       |       |       |       |            |       |            |       |     |      |     |     |     |     |          |     |     |          |          | 06 | 16       |
|           | 99 | -94 -          | 93 -  | 92 -  | 91 -  | .90 - | 87 –  | 85 -                  | -83 – | 81 -  | -78 - | -77 -      | -74 - | -72 -      | -70 - | -67 | -65  | -62 | -59 | -55 | -50 | -45      | -37 | -24 | -21      | -16      | 10 | 10       |

<sup>\*</sup> Flanagan, J. C.: Calculating Correlation Coefficients. Pittsburgh, American Institute of Research, 1962. Adapted to 5-step interval and used by permission of John C. Flanagan. Copies of the complete table are available from the Institute at 410 Amberson Ave., Pittsburgh, Pa., 15232.

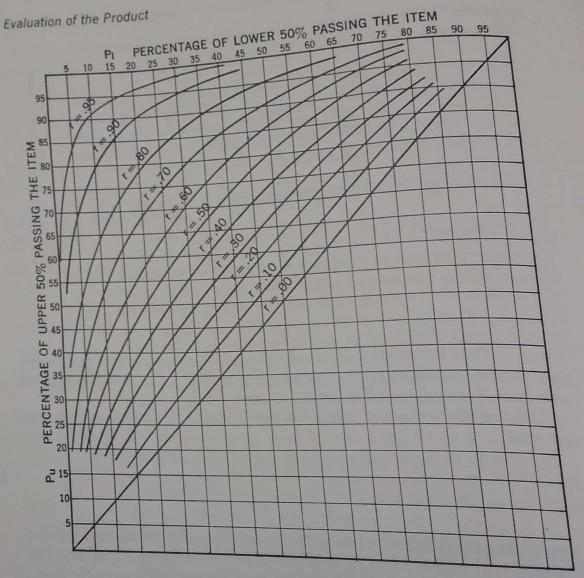


Figure 11-4. Chart for computing tetrachoric r with the criterion dichotomized at the median. (Wood, D. A.: Test Construction, Columbus, Ohio, Charles E. Merrill Books, Inc., 1960, p. 85.

## KNOWLEDGE TEST TABULATION SHEET Name of Test: 8th Grade Soccer Test 100 papers 29 in Upper Groups, 29 in Lower Groups 38 Possible Maximum Q 1 2 Revise Omit D.R. I.D. 3 4 5 UU 11111111 29+19 U **麦麦麦麦** F 18 + 20 = 38 + 3848 100% 58 1 .66 58% 83% 6+16=22+38LIIII 1 HT HT HT LL HHI 111 UU 111111 25+14 UII II HITHHHII 39 16+17=33+3858 87% 2 .42 64% 47% 8+10=18+30 1111 #### LIIII 11 LL II 1111 26+26 III HH III 三生生生 11 DR 52 16+18=34+38 ID 58 89% .00 F 3 . 89% 90% 16+18=34+3811 HHHHHIII III HH LL 1111 13+4 Ш UUIII 1111111 井 111 UIII 8+9=17+3817 58 45% .36 4 13% 2+3=5+3829% 111 ###1111 LIII 141 LLIII # 10 + 23UUIII ID III HHHH 33 11111 U 58 6+7=13+38 34% -.435 79% 14+16=30+38 57% III r mmmmi LLIMII