

The statistical formula used to calculate the reliability is:

$$r = 1 - \frac{6 \sum D^2}{N(N^2-1)}$$

$$r = 1 - \frac{6(1.3)}{3(3^2-1)}$$

$$r = 1 - \frac{6(1.3)}{3(1-1)}$$

$$r = 1 - \frac{8.8}{3(1)}$$

$$r = 1 - \frac{8.8}{4}$$

$$r = 1 - 0.001$$

$$r = 0.99$$

Where: r : coefficient of rank correlation
 N : number of students
 D : the different of rank correlation
 $1-6$: constant number

(Hatch and Farhady, 1982:143)