

α di CRONBACH

$$\alpha = \frac{k}{k-1} \left(1 - \frac{\sum_{i=1}^N S_{\phi_i}^2}{S_x^2} \right)$$

$k = \text{N}^\circ \text{ ITEMS}$

$S_{\phi_i}^2 = \text{VARIANZA DI CIASCUN ITEM}$

$S_x^2 = \text{VARIANZA DELL'INTEROTEST}$
(DISTRIBUZIONE TOTALE DEI PUNTEGGI)

OPPURE

$$\alpha = \frac{k \bar{r}}{1 + (k-1) \bar{r}}$$

$k = \text{N}^\circ \text{ INDICATORI O ITEMS}$

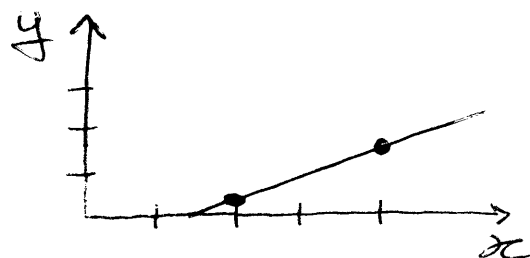
$\bar{r} = \text{CORRELAZIONE MEDIA TRA GLI INDICATORI}$

	A1	A2	A3	TOTALE
1	3	1	4	8
2	2	0	3	5
3	1	0	2	3
4	4	2	5	11
5	2	0	2	4
$\bar{X}$	2,4	0,6	3,2	6,2
S^2	1,3	0,8	1,7	10,7

$$\alpha = \frac{3}{2} \left(1 - \frac{1,3 + 0,8 + 1,7}{10,7} \right) = 0,97$$

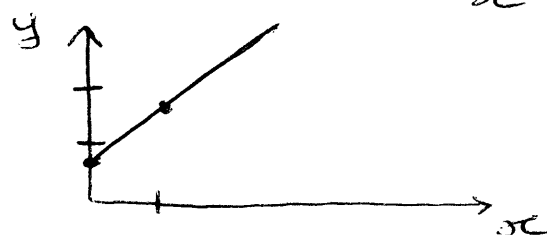
$$r_{A1A2} = 0,93$$

$$y = -1,15 + 0,73x$$



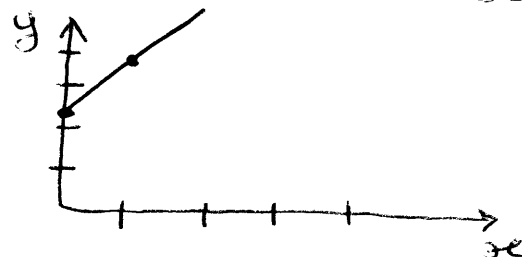
$$r_{A1A3} = 0,94$$

$$y = 0,62 + 1,08x$$



$$r_{A2A3} = 0,94$$

$$y = 2,38 + 1,38x$$



$$\bar{r} = 0,94$$

$$\alpha = \frac{k\bar{r}}{1 + (k-1)\bar{r}} = \frac{3 \cdot 0,94}{1 + 2(0,94)} = \frac{2,82}{2,88} = 0,98$$