

SOC 5050: Week 12 Equations Quick Reference

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Pearson's r

Calculating r

$$r^2 = \frac{\sum_{i=1}^n (x - \bar{x})(y - \bar{y})}{(n-1)s_x s_y} \quad (1a)$$

Calculating t

$$t = \frac{r}{\sqrt{\frac{1-r^2}{n-2}}} \quad (1b)$$

Degrees of freedom (v) is defined as
 $v = n - 2$.

Document Details

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