SOC 5050: Week 12 Equations Quick Reference

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Pearson's r

Calculating r

$$s^2 = \frac{\sum_{i=1}^{n}(x-\overline{x})(y-\overline{y})}{(n-1)s_x s_y} \tag{1a}$$

Calculating t

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

$$t = \frac{r}{\sqrt{\frac{1-r^2}{n-2}}} \tag{1b}$$

Document Details