r: Pearson's correlation

$t_{n-2,1-\alpha/2}$: t-value with degree of freedom of n-2 and significant of 1-α/2

$$t_{n-2,1-\alpha/2} = \frac{r}{\sqrt{\frac{1-r^2}{n-2}}}$$

$$t^2_{n-2,1-\alpha/2}\left(\frac{1-r^2}{n-2}\right) = r^2$$

$$t^2_{n-2,1-\alpha/2} - r^2 \cdot t^2_{n-2,1-\alpha/2} = (n-2)r^2$$

$$t^2_{n-2,1-\alpha/2} = \left(n + t^2_{n-2,1-\alpha/2} - 2\right)r^2$$

$$r = \sqrt{\frac{t^2_{n-2,1-\alpha/2}}{\left(n + t^2_{n-2,1-\alpha/2} - 2\right)}} = \sqrt{\frac{t^2_{461,0.975}}{\left(463 + t^2_{461,0.975} - 2\right)}} = \sqrt{\frac{1.965^2}{(463 + 1.965^2 - 2)}} = 0.09191$$