A21

Monday, 18. November 2019 13:32

Test the null hypothesis H_0 : ρ =0,8 against the alternative hypothesis H_1 : ρ >0,8 (one-tailed!) with

a) with
$$t_{calc} = (r - \rho_0) \cdot \sqrt{\frac{n-2}{(1-r^2)\cdot (1-\rho_0^2)}}$$
 and df = n-2 (table of Students t-distribution)

b) with Fishers z-transform and $z_{calc} = (\dot{z} - \dot{\zeta}_0) \cdot \sqrt{n-3}$ (standard normal distribution)