

Student t distribution

Statistical Analysis using Z-score we need population standard deviation (σ)

How do we perform an analysis when we don't know the population standard deviation?

Soln: Student t distribution

$$Z = \frac{\bar{x} - \mu}{\sigma/\sqrt{n}}$$

$$t = \frac{\bar{x} - \mu}{s/\sqrt{n}}$$

s = sample std

Degree of freedom

$$\text{dof} = \underline{\underline{n-1}}$$

n = sample size

3 people

