## Student t distribution

In Z stats When we perform any analysis using Z-score we require of (population standard deviation) -> is already known

How do no perform any analysis when we don't know the population standard deciation?

1

Student's t dishibution

t stars

 $Z = \frac{\bar{\chi} - \mu}{\sqrt{\chi_{x}}}$ 

f = 71-11 8/12 S = Sample Standard Acuighon

I table

t tobe > t top

Degree of fredom

$$dof = n-1 = 3-1 = 2$$

3 people

