



$$I / P(m \in I) = 1 - \alpha$$

$$P(-t < z < t) = 1 - \alpha$$

$$P\left(\bar{X}_m - \frac{t S_n}{\sqrt{n-1}} < m < \bar{X}_m + \frac{t S_n}{\sqrt{n-1}}\right) = 1 - \alpha$$