**Confidence Interval of Population Mean µ**

Result (a,b)-page106 6.3(Page 107)

 **σ unknown** **σ known**

 **(use S instead)**

**Normal or Not normal(n≥30) normal distribution**

$\overbar{X}\mp t\_{1-\frac{α }{2} }\frac{S}{\sqrt{n}}$$\overbar{X}\mp Z\_{1-\frac{α }{2}}\frac{σ}{\sqrt{n}}$

**Where:**

$Z\_{1-\frac{α }{2}, }t\_{ 1-\frac{α }{2}, }$**: Reliability coefficient القيمة الجدوليه Z or T تسمى**

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