

Confidence level is  $100\% - 95\% = 5\%$  or  $1 - 0.95 = 0.05$   
 $100\% - 95\% = 5\%$  or  $0.05$ .

$$Z_{\alpha/2} = Z_{0.05/2} = 0.025$$

$$\text{avg. - registered} + z \cdot s / \sqrt{n} = 156.0373$$

$$\text{avg. - registered} - z \cdot s / \sqrt{n} = 151.5364$$

Confidence Interval formula is above and confidence

$$\text{interval} = [151.53, 156.04]$$

For confidence Interval the number has a difference between them.