

**FORMULE:**

$$\bar{X} = \frac{\sum_{i=1}^n X_i}{n}$$

$$\frac{n+1}{2}$$

$$X_{\max} - X_{\min}$$

$$S^2 = \frac{\sum_{i=1}^n (X_i - \bar{X})^2}{n-1}$$

$$S = \sqrt{\frac{\sum_{i=1}^n (X_i - \bar{X})^2}{n-1}}$$

$$V = \left( \frac{S}{\bar{X}} \right) \cdot 100\%$$

$$\sigma^2 = \frac{\sum_{i=1}^N (X_i - \mu)^2}{N}$$

$$\sigma = \sqrt{\frac{\sum_{i=1}^N (X_i - \mu)^2}{N}}$$

$$\sigma_{\bar{X}} = \frac{\sigma}{\sqrt{n}}$$

$$Z = \frac{X - \bar{X}}{S}$$

$$\bar{X} \pm Z \frac{\sigma}{\sqrt{n}}$$

$$\bar{X} \pm t_{n-1} \frac{S}{\sqrt{n}}$$

$$s.s. = n - 1$$

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

$$t_{n-1} = \frac{\bar{X} - \mu}{\frac{S}{\sqrt{n}}}$$

**TABELE:**

Nivo pouzdanosti	Koeficijent pouzdanosti, $1 - \alpha$	Z vrijednost
80%	0.80	1.28
90%	0.90	1.645
95%	0.95	1.96
98%	0.98	2.33
99%	0.99	2.58
99.8%	0.998	3.08
99.9%	0.999	3.27

Tabela t vrijednosti						
s.s.	Jednosmjerni	90%	95%	97.50%	99.00%	99.99%
	Dvosmjerni	80%	90%	95%	98%	99.00%
5		1.47	2.01	2.57	3.36	4.03
6		1.44	1.94	2.44	3.14	3.7
7		1.41	1.89	2.36	2.99	3.49
8		1.39	1.86	2.3	2.89	3.35
9		1.38	1.83	2.26	2.82	3.25
10		1.37	1.81	2.22	2.76	3.17