Chapter 2 Formulas

$$2^k \geq n \qquad \frac{f_i}{n}$$

Chapter 3 Formulas

$$i = \frac{p}{100}(n) \qquad i = \frac{1}{2}n \qquad \mu_w = \frac{\sum w_i x_i}{\sum w_i} \qquad CV = \frac{\sigma}{\mu}(100)\%$$

$$\bar{x} = \frac{\sum x}{n} \qquad s^2 = \frac{\sum (x - \bar{x})^2}{n - 1} \qquad s = \sqrt{s^2} \qquad \sigma = \sqrt{\sigma^2} = \sqrt{\frac{\sum_{i=1}^{N} (x_i - \mu)^2}{N}}$$

$$z = \frac{x - \bar{x}}{s}$$

=Average( ) =Median( ) =Mode( )

=Var.P( ) =Stdev.P( ) =Var.S( ) =Stdev.S( )

=Standardize(x, mean, standard_dev)