$$\overline{x} = \frac{\sum_{i=1}^{n} x_i}{n} \tag{1}$$

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$$\sigma^2 = \frac{\sum_{i=1}^{n} x_i^2}{n} - \overline{x}^2 \tag{2}$$

$$\sigma = \sqrt{\sigma^2} \tag{3}$$

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