



$$n = \sum_{i=1}^n 1 \qquad S_1 = \sum_{i=1}^n x_i \qquad S_2 = \sum_{i=1}^n x_i^2$$

$$\mu_n = \frac{S_1}{n} \qquad \sigma_n = \sqrt{\frac{S_2}{n} - \left(\frac{S_1}{n}\right)^2}$$