Population Variance
$${}^{\circ}6^{2} = IE[(X - E(X))^{2}]$$

Sample Variance ${}^{\circ}6^{2} = IE[(X - E(X))^{2}]$
Note: The reason we divide by $n-1$ in s^{2} enot n is because that: The reason we divide by $n-1$ in s^{2} enot n is because this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} an F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} and F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} and F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} and F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} and F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} and F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} and F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this makes s^{2} and F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this this makes s^{2} and F_{e} unbiased estimator i.e. $IE[s^{2}] = 6^{2}$. This this this makes s^{2} and s^{2} an

$$\frac{1}{n-1} \left(\frac{1}{1-1} \right)^{\frac{1}{1-1}} = \frac{1}{n-1} \left(\frac{2}{1-1} \right)^{\frac{1}{1-1}} - 2y^{2} + ny^{2}$$

$$\frac{1}{n-1} \left(\frac{2}{1-1} \right)^{\frac{1}{1-1}} - 2y^{2} + ny^{2}$$

$$\frac{1}{n-1} \left(\frac{2}{1-1} \right)^{\frac{1}{1-1}} - ny^{2}$$

$$= \frac{1}{n-1} \left(\frac{2}{2} y_{1}^{2} - n y^{2} \right)$$

$$= \frac{1}{n-1} \left(\frac{2}{2} y_{1}^{2} - n \left(\frac{2}{2} y_{1}^{2} / n \right)^{2} \right)$$

$$= \frac{1}{n-1} \left(\frac{2}{2} y_{1}^{2} - n \left(\frac{2}{2} y_{1} / n \right)^{2} \right)$$

$$= \frac{1}{n-1} \left(\sum_{i=1}^{n} y_i^2 - \frac{n}{n^2} \left(\sum_{i=1}^{n} y_i^2 \right)^2 \right)$$

$$= \frac{1}{n-1} \left(\frac{2}{2} \cdot y_i^2 - \frac{1}{n} \left(\frac{2}{2} \cdot y_i^2 \right)^2 \right)$$

Next, let
$$C_{T,j} = y_i = \frac{1}{n-1}\left(\frac{2}{i}C_{T,j} - \frac{1}{n}\left(\frac{2}{i-1}C_{T,j}\right)^2\right)$$
.

To Find the sample standard deviation or $\sqrt{s^2} = s_1$ take square roof.

S=
$$\sqrt{\frac{2}{i-1}} \frac{C_{T,i}}{n-1} - \frac{1}{n} \left(\frac{2}{i-1} C_{T,i}\right)^2 = \frac{1}{n-1} \frac{2}{n-1} \frac{C_{T,i}}{n-1} = \frac{1}{n-1} \frac{2}{n-1} \frac{C_{T,i}}{n-1}$$

Discounted = $\frac{1}{n-1} \frac{2}{n-1} \frac{C_{T,i}}{n-1}$