$$S^2 = \frac{\Sigma(Yi - \acute{Y})^2}{n}$$

$$Y' = BXi + B0$$

$$Sxy = \frac{\Sigma XY}{n} - avg(X)avg(Y)$$

$$B = \frac{n\Sigma XY - \Sigma X\Sigma Y}{n\Sigma X^2 - (\Sigma X)^2}$$

$$B0 = avg(Y) - Bavg(X)$$