$SST = \sum_{i=1}^{p} \left(\bar{y}_i - \bar{y} \right)^2$	$SSE = \sum_{i=1}^{p} \sum_{j=1}^{n_i} \left(y_{ij} - \bar{y}_i \right)^2$	$TSS = \sum_{i=1}^{p} \sum_{j=1}^{n_i} \left(y_{ij} - \bar{y} \right)^2$
$SS_{XX} = \sum X^2 - \frac{\left(\sum X \right)^2}{n}$	$SS_{YY} = \sum Y^2 - \frac{\left(\sum Y \right)^2}{n}$	$SS_{XY} = \sum XY - \frac{\sum X \sum Y}{n}$
$\hat{y} = \hat{\beta}_0 + \hat{\beta}_1 x$	$\hat{\beta}_1 = \frac{SS_{xy}}{SS_{xx}}$	$\hat{\beta}_0 = \bar{y} - \hat{\beta}_1 \bar{x}$
$SSE = \sum_{i=1}^{n} \left(y_i - \hat{y} \right)^2$	$TSS = \sum_{i=1}^{n} \left(y_i - \bar{y} \right)^2$	$S_{\hat{\beta}_1} = \frac{\sqrt{\frac{SSE}{n-2}}}{\sqrt{SS_{xx}}}$
$r = \frac{SS_{xy}}{\sqrt{SS_{xx} SS_{yy}}}$	$r^2 = 1 - \frac{SSE}{SS_{yy}}$	