Pearson $r = \frac{SS_{XY}}{\sqrt{SS_X SS_Y}}$

Table for correlation

X	Y	$X-M_X$	$Y-M_Y$	$(X-M_X)(Y-M_Y)$	$(X-M_X)^2$	$(Y-M_Y)^2$
M_X	M_Y			SS_{XY}	SS_X	SS_Y

Pearson, Spearman rank correlation rho

Point Biserial Correlation Coefficient. Phi Correlation Coefficient

Simple linear regression

X	Y	$(X-M_X)$	$(Y-M_Y)$	$(X-M_X)(Y-M_Y)$	$(X-M_X)^2$
M_X	M_Y			SS_{XY}	SS_X

$Y = a + bX$, $b = \dfrac{SS_{XY}}{SS_X}$, $a = M_Y - bM_X$

Analysis of regression

X	Y	$X-M_X$	$Y-M_Y$	$(X-M_X)(Y-M_Y)$	$(X-M_X)^2$	$(Y-M_Y)^2$
				SS_{XY}	SS_X	SS_Y

F Table for the analysis of regression

Source of Variation	SS	df	MS	Fobt
Regression	$r^2 \cdot SS_Y$	1	$\frac{SS_{regression}}{df_{regression}}$	$\frac{MS_{regression}}{MS_{residual}}$
Residual	$(1-r^2) \cdot SS_Y$	$n-2$	$\frac{SS_{residual}}{df_{residual}}$	
Total	$SS_{regression} + SS_{residual}$	$n-1$		