

PSYC 300A Cheat Sheet

by athenamarko via cheatography.com/166726/cs/34899/

Correlations

Bivariate descriptive statistics: Two variables

Univariate descriptive statistics: One variable

 $\sum (x-\overline{x})^2 = Minimum$

Correlation: Measures the direction and degree of linear Relationship

between two variables

Linear Relationship: When the relationship between two variables

can be most accurately represented by a straight line

V = hY+2

a = Y intercept (i.e., value of Y when X = 0)

Formulas	
Y = bX + a	Equation of the line
Mean X	Σ X/N
Deviation score	$(X-\bar{X})$
Squared deviation score	$(X-\bar{X})^2$
Sums of squares (SS)	$\sum (X-\bar{X})^2$
Variance (SD ²)	SS/N
sample size	N
Standard deviation (SD)	$\sqrt{\text{SD}^2}$
Sum of products (SP)	$\sum (X-\bar{X})(Y-\bar{Y})$
Covariance (Cov)	SP/N



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