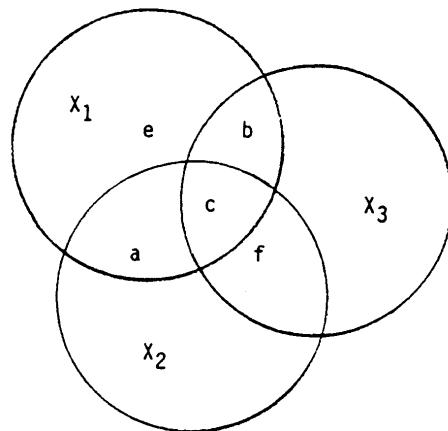


GRAPHIC REPRESENTATION OF KEY MULTIVARIATE CORRELATION STATISTICS



Bivariate Correlations

$$r^2_{12} = a + c$$

$$r^2_{13} = b + c$$

$$r^2_{23} = c + f$$

Multiple Correlation

$$R^2_{1.23} = a + b + c$$

Semi-partial (Part) Correlations

$$r^2_{1(2.3)} = R^2_{1.23} - r^2_{13} = a$$

$$r^2_{1(3.2)} = R^2_{1.23} - r^2_{12} = b$$

Partial Correlations

$$r^2_{12.3} = r^2_{1(2.3)} / (1 - r^2_{13}) = a / (a + e)$$

$$r^2_{13.2} = r^2_{1(3.2)} / (1 - r^2_{12}) = b / (b + e)$$

N.B.: $s_1^2 = s_2^2 = s_3^2$