

$$\rho(f_1, f_2)$$

 f_1
 f_2

f_1, f_2 = variables of interest

 v_{1j}
 v_{2j}

v_{ij} = validity coefficient for variable i

 M_j

M_j = method factor for both variables

 m_{1j}
 m_{2j}

m_{ij} = method effect on variable i

 t_{1j}
 t_{2j}

t_{ij} = true score for y_{ij}

 r_{1j}
 r_{2j}

r_{ij} = reliability coefficient

 y_{1j}
 y_{2j}

y_{ij} = the observed variable

 e_{1j}
 e_{2j}

e_{ij} = the random error in variable y_{ij}