2c   6 degrees of freedom : $(4-1) \times (3-1) = 6$

sig level   :   crit val

20%   8.558

10%   10.645

5%   12.592

H_0: " no correlation ... "

H_1: " correlation ... "

at :   20%, $x^2 > 8.558$, so reject H_0

10%, $x^2 > 10.645$, so reject H_0

5%, $x^2 < 12.592$, so cannot reject H_0