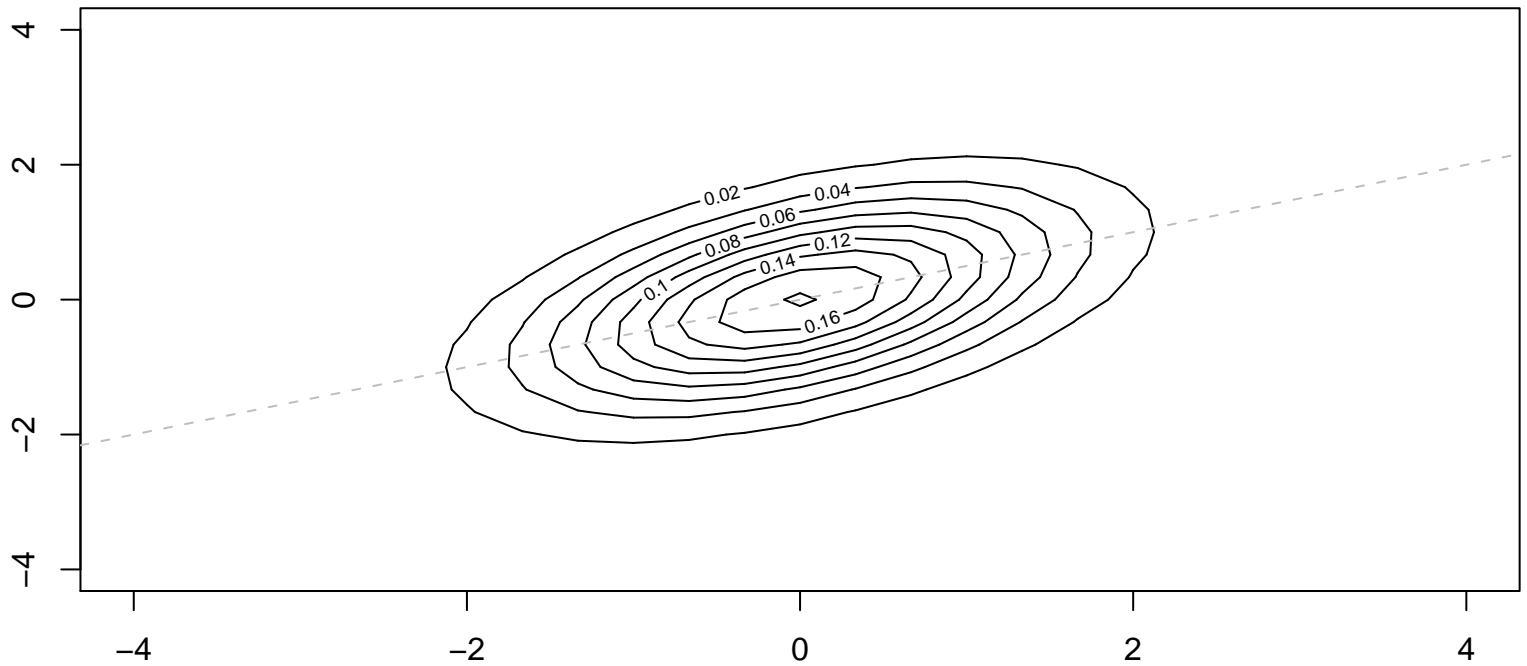# Two variables of interest correlate 0.5

Unreliability and invalidity attenuate the correlation by a factor 0.5 .
while method effects of 0.4 add 0.16 ,
and the variables are split up into 5 categories at unequal intervals.
Pearson correlation: 0.3