**Table 1**

*Different patterns of component-specific predictions for mean levels of men and women by gender equality that all produce difference score correlation of r*X,Y1–Y2 *= .50*

|  |  |  |  |  |  | Effect size for slope non-parallelism | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type | *rX,Y1* | *rX,Y2* | *rY1,Y2* | *SD*Y1-Y2 |  | *rX,Y1-Y2* | *rX,Y1– rX,Y2* | Cohen’s *q* |
| A | .35 | -.35 | .00 | 1.41 |  | .50 | 0.71 | 0.74 |
|  | .31 | -.31 | .25 | 1.22 |  | .50 | 0.61 | 0.63 |
|  | .25 | -.25 | .50 | 1.00 |  | .50 | 0.50 | 0.51 |
|  | .21 | -.21 | .65 | 0.84 |  | .50 | 0.42 | 0.42 |
|  | .16 | -.16 | .80 | 0.63 |  | .50 | 0.32 | 0.32 |
|  | .08 | -.08 | .95 | 0.32 |  | .50 | 0.16 | 0.16 |
|  |  |  |  |  |  |  |  |  |
| B | .71 | .00 | .00 | 1.41 |  | .50 | 0.71 | 0.88 |
|  | .61 | .00 | .25 | 1.22 |  | .50 | 0.61 | 0.71 |
|  | .50 | .00 | .50 | 1.00 |  | .50 | 0.50 | 0.55 |
|  | .42 | .00 | .65 | 0.84 |  | .50 | 0.42 | 0.45 |
|  | .32 | .00 | .80 | 0.63 |  | .50 | 0.32 | 0.33 |
|  | .16 | .00 | .95 | 0.32 |  | .50 | 0.16 | 0.16 |
|  | .00 | -.71 | .00 | 1.41 |  | .50 | 0.71 | 0.88 |
|  | .00 | -.61 | .25 | 1.22 |  | .50 | 0.61 | 0.71 |
|  | .00 | -.50 | .50 | 1.00 |  | .50 | 0.50 | 0.55 |
|  | .00 | -.42 | .65 | 0.84 |  | .50 | 0.42 | 0.45 |
|  | .00 | -.32 | .80 | 0.63 |  | .50 | 0.32 | 0.33 |
|  | .00 | -.16 | .95 | 0.32 |  | .50 | 0.16 | 0.16 |
|  |  |  |  |  |  |  |  |  |
| C | .92 | .31 | .25 | 1.22 |  | .50 | 0.61 | 1.26 |
|  | .75 | .25 | .50 | 1.00 |  | .50 | 0.50 | 0.72 |
|  | .63 | .21 | .65 | 0.84 |  | .50 | 0.42 | 0.52 |
|  | .47 | .16 | .80 | 0.63 |  | .50 | 0.32 | 0.36 |
|  | .24 | .08 | .95 | 0.32 |  | .50 | 0.16 | 0.16 |
|  | -.31 | -.92 | .25 | 1.22 |  | .50 | 0.61 | 1.26 |
|  | -.25 | -.75 | .50 | 1.00 |  | .50 | 0.50 | 0.72 |
|  | -.21 | -.63 | .65 | 0.84 |  | .50 | 0.42 | 0.52 |
|  | -.16 | -.47 | .80 | 0.63 |  | .50 | 0.32 | 0.36 |
|  | -.08 | -.24 | .95 | 0.32 |  | .50 | 0.16 | 0.16 |
|  |  |  |  |  |  |  |  |  |
| D | .07 | -.07 | .96 | 0.28 |  | .50 | 0.14 | 0.14 |
|  | .06 | -.06 | .97 | 0.24 |  | .50 | 0.12 | 0.12 |
|  | .05 | -.05 | .98 | 0.20 |  | .50 | 0.10 | 0.10 |
|  | .04 | -.04 | .99 | 0.14 |  | .50 | 0.07 | 0.07 |

*Note.* Gender-equality (X), and mean-levels of men (Y1) and women (Y2) have unit variances in all scenarios. *rY1,Y2* = correlation between mean-levels of men and women. *rX,Y1* = correlation between gender-equality and mean-level of men. *rX,Y2* = correlation between gender-equality and mean-level of women. *rX,Y1-Y2* = correlation between gender-equality and difference between men and women mean-levels.