

Judges made a rating on a 1-5 scale

Judge1	Judge2	d	d-squared	m	m-M	(m-M)*(m-M)
1	3	-2	4	2	-1.5	2.25
3	4	-1	1	3.5	0	0
3	4	-1	1	3.5	0	0
5	5	0	0	5	1.5	2.25
2	1	1	1	1.5	-2	4
3	5	-2	4	4	0.5	0.25
5	5	0	0	5	1.5	2.25

column means
column totals

3.5
11

11

$$[2(11)]/7-1 \quad a=3.67$$

$$11/[2*7] \quad b=.786$$

intraclass correlation is $(3.67-.786)/(3.67+.786) = .647$
 $F(6,7)=4.67$ [test significance by comparing to .025 table]