

Comparison of Versions of Kinship Links

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Outcome: Afi;

RelationshipPath: Gen1Housemates [ID:1]; **Newer Links Version:** 48; **Older Links Version:** 47;

Newer: Implements MzManual for Gen1

Older: Moved DZ assignment after MZ

R Groups specifically excluded: { 0, 0.125, 0.375, 0.75 }

1 Ace - Comparison of R Variants

(See the final table for an explanation of the different R variants.)

R Variant	a_{new}^2	c_{new}^2	e_{new}^2	N_{new}	a_{old}^2	c_{old}^2	e_{old}^2	N_{old}
R	.07	.21	.72	3378	.21	.15	.65	3407
RExplicit	.00	.25	.75	3172	.00	.25	.75	3172
RImplicit2004	.00	.22	.78	1588	.00	.22	.78	1588

Table 1: Comparison of R Variants (by rows) and of Links Versions (left vs right side).

2 Subgroups – R

R	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.000	FALSE	423	7.43	6.35	2.21	0.32	42.3	TRUE
0.125	FALSE	89	4.14	5.18	0.60	0.13	21.1	TRUE
0.250	TRUE	241	7.90	6.79	1.24	0.17	52.1	TRUE
0.375	FALSE	88	6.33	6.00	0.68	0.11	37.5	TRUE
0.500	TRUE	3129	7.22	6.07	1.64	0.25	41.1	TRUE
0.750	FALSE	15	5.55	2.12	1.38	0.40	9.9	TRUE
1.000	TRUE	8	14.98	6.79	8.61	0.85	27.6	TRUE

Table 2: R – Newer Version of Links

R	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.000	FALSE	386	7.45	6.20	2.23	0.33	41.2	TRUE
0.125	FALSE	83	4.10	5.04	0.68	0.15	20.2	TRUE
0.250	TRUE	246	7.85	6.99	1.14	0.15	53.6	TRUE
0.375	FALSE	87	6.41	6.02	0.68	0.11	38.1	TRUE
0.500	TRUE	3143	7.20	6.02	1.62	0.25	40.7	TRUE
0.750	FALSE	35	7.02	10.61	2.75	0.32	66.9	TRUE
1.000	TRUE	18	10.21	5.58	5.72	0.76	24.3	TRUE

Table 3: R – Older Version of Links

3 Subgroups – RExplicit

RExplicit	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	236	8.07	6.95	1.26	0.17	54.5	TRUE
0.375	FALSE	41	5.46	4.35	-0.59	-0.12	23.4	TRUE
0.500	TRUE	2936	7.25	6.17	1.67	0.25	42.0	TRUE

Table 4: RExplicit – Newer Version of Links

RExplicit	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	236	8.07	6.95	1.26	0.17	54.5	TRUE
0.375	FALSE	41	5.46	4.35	-0.59	-0.12	23.4	TRUE
0.500	TRUE	2936	7.25	6.17	1.67	0.25	42.0	TRUE

Table 5: RExplicit – Older Version of Links

4 Subgroups – RImplicit2004

RImplicit2004	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.125	FALSE	63	3.24	3.76	0.83	0.24	11.5	TRUE
0.250	TRUE	41	2.74	3.40	0.58	0.19	9.0	TRUE
0.375	FALSE	278	4.86	6.01	1.30	0.24	27.5	TRUE
0.500	TRUE	1547	7.27	5.87	1.50	0.23	40.4	TRUE
0.750	FALSE	27	5.92	7.38	3.27	0.49	33.1	TRUE

Table 6: RImplicit2004 – Newer Version of Links

RImplicit2004	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.125	FALSE	63	3.24	3.76	0.83	0.24	11.5	TRUE
0.250	TRUE	41	2.74	3.40	0.58	0.19	9.0	TRUE
0.375	FALSE	278	4.86	6.01	1.30	0.24	27.5	TRUE
0.500	TRUE	1547	7.27	5.87	1.50	0.23	40.4	TRUE
0.750	FALSE	27	5.92	7.38	3.27	0.49	33.1	TRUE

Table 7: RImplicit2004 – Older Version of Links

5 Explanation of R Variants

Variant	Explanation
R	We recommend researchers typical use this version.
R_{Pass1}	Supposed to be fooled only by errors in the subject’s/mother’s knowledge
$R_{Implicit}$	Uses only implicit items
$R_{Implicit}_{Pass1}$	Uses only implicit items & supposed to be fooled only by knowledge errors
$R_{Implicit}_{Mother}$	Uses only mother’s implicit items (exists only for Gen2)
$R_{Implicit}_{Subject}$	Uses only subject’s implicit items
$R_{Implicit}_{2004}$	The state of the links in 2004. Rodgers & Rowe for Gen1; Rodgers, Johnson & Bard for Gen2
$R_{Explicit}$	Uses only explicit items
$R_{Explicit}_{Pass1}$	Uses only explicit items & supposed to be fooled only by knowledge errors