

# Comparison of Versions of Kinship Links

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**Outcome:** Afm;

**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: { }

## 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	.55	0	.45	1109	.56	0	.44	1111
RExplicit	.51	0	.49	866	.51	0	.49	866
RImplicit2004	.56	0	.44	589	.56	0	.44	589

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	TRUE	121	1.65	1.85	-0.32	-0.18	3.0	TRUE
0.125	TRUE	31	3.39	3.74	0.95	0.27	11.8	TRUE
0.250	TRUE	58	2.12	2.81	0.15	0.06	5.9	TRUE
0.375	TRUE	24	7.74	3.07	0.77	0.16	23.1	TRUE
0.500	TRUE	863	2.63	2.27	0.64	0.26	5.6	TRUE
0.750	TRUE	7	0.95	2.48	0.76	0.50	1.8	TRUE
1.000	TRUE	5	1.30	1.70	1.15	0.77	0.9	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	TRUE	108	1.76	2.00	-0.36	-0.19	3.4	TRUE
0.125	TRUE	28	3.07	3.56	0.52	0.16	10.7	TRUE
0.250	TRUE	58	2.12	2.81	0.15	0.06	5.9	TRUE
0.375	TRUE	24	7.74	3.07	0.77	0.16	23.1	TRUE
0.500	TRUE	859	2.64	2.29	0.64	0.26	5.6	TRUE
0.750	TRUE	23	1.33	1.63	0.97	0.66	1.2	TRUE
1.000	TRUE	11	1.36	1.29	0.68	0.51	1.3	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	56	2.14	2.58	0.29	0.13	5.4	TRUE
0.375	TRUE	7	23.29	3.57	-0.02	-0.00	83.2	TRUE
0.500	TRUE	803	2.67	2.31	0.64	0.26	5.8	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	56	2.14	2.58	0.29	0.13	5.4	TRUE
0.375	TRUE	7	23.29	3.57	-0.02	-0.00	83.2	TRUE
0.500	TRUE	803	2.67	2.31	0.64	0.26	5.8	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	TRUE	22	1.64	3.71	0.55	0.22	5.8	TRUE
0.250	TRUE	10	0.54	4.01	-0.37	-0.25	2.0	TRUE
0.375	TRUE	73	3.75	2.81	0.94	0.29	9.7	TRUE
0.500	TRUE	470	2.19	2.12	0.56	0.26	4.3	TRUE
0.750	TRUE	14	2.07	2.88	0.95	0.39	5.1	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	TRUE	22	1.64	3.71	0.55	0.22	5.8	TRUE
0.250	TRUE	10	0.54	4.01	-0.37	-0.25	2.0	TRUE
0.375	TRUE	73	3.75	2.81	0.94	0.29	9.7	TRUE
0.500	TRUE	470	2.19	2.12	0.56	0.26	4.3	TRUE
0.750	TRUE	14	2.07	2.88	0.95	0.39	5.1	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