Comparison of Versions of Kinship Links

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Outcome: WeightZGenderYob;
RelationshipPath: Gen1Housemates [ID:1]; **Newer Links Version**: 49; **Older Links Version**: 48;

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Newer Links: RExplicit2004 no longer contributes to R
Older Links: Implements MzManual for Gen1
R Groups specifically excluded: {  }
Drop pair if housemates are not confirmed in the same generation: FALSE
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1 Ace - Comparison of R Variants

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

R Variant	a^2_{new}	c^2_{new}	e^2_{new}	N_{new}	a^2_{old}	c^2_{old}	e^2_{old}	N_{old}
R	.23	.19	.57	4219	.21	.21	.58	4537
RExplicit	.64	.00	.36	3696	.64	.00	.36	3696
RImplicit2004	.45	.10	.44	2257	.45	.10	.44	2257

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^2_1	s^2_2	$s_{1,2}$	r	Determinant	PosDefinite
0.000	TRUE	439	0.80	0.90	0.22	0.26	0.7	TRUE
0.125	TRUE	89	0.61	0.98	0.13	0.16	0.6	TRUE
0.250	TRUE	237	0.96	1.23	0.01	0.01	1.2	TRUE
0.375	TRUE	44	0.84	0.91	0.36	0.41	0.6	TRUE
0.500	TRUE	3386	1.11	1.00	0.34	0.32	1.0	TRUE
0.750	TRUE	13	0.64	0.49	0.31	0.55	0.2	TRUE
1.000	TRUE	11	0.88	1.69	0.97	0.80	0.5	TRUE

Table 2: R – Newer Version of Links

R	Included in SEM	N_{Pairs}	s^2_1	s^2_2	$s_{1,2}$	r	Determinant	PosDefinite
0.000	TRUE	439	0.80	0.90	0.22	0.26	0.7	TRUE
0.125	TRUE	96	0.61	1.01	0.16	0.20	0.6	TRUE
0.250	TRUE	248	0.95	1.23	0.02	0.02	1.2	TRUE
0.375	TRUE	90	1.03	1.03	0.50	0.48	0.8	TRUE
0.500	TRUE	3639	1.11	0.99	0.33	0.32	1.0	TRUE
0.750	TRUE	14	0.59	0.46	0.28	0.54	0.2	TRUE
1.000	TRUE	11	0.88	1.69	0.97	0.80	0.5	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	244	0.97	1.22	0.02	0.02	1.2	TRUE
0.375	TRUE	44	0.84	0.91	0.36	0.41	0.6	TRUE
0.500	TRUE	3408	1.11	1.00	0.34	0.32	1.0	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	244	0.97	1.22	0.02	0.02	1.2	TRUE
0.375	TRUE	44	0.84	0.91	0.36	0.41	0.6	TRUE
0.500	TRUE	3408	1.11	1.00	0.34	0.32	1.0	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	TRUE	70	0.68	0.99	0.15	0.19	0.7	TRUE
0.250	TRUE	42	0.85	0.69	0.19	0.25	0.6	TRUE
0.375	TRUE	297	1.01	1.09	0.32	0.30	1.0	TRUE
0.500	TRUE	1818	1.03	0.93	0.32	0.32	0.9	TRUE
0.750	TRUE	30	0.76	1.31	0.66	0.66	0.6	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	70	0.68	0.99	0.15	0.19	0.7	TRUE
0.250	TRUE	42	0.85	0.69	0.19	0.25	0.6	TRUE
0.375	TRUE	297	1.01	1.09	0.32	0.30	1.0	TRUE
0.500	TRUE	1818	1.03	0.93	0.32	0.32	0.9	TRUE
0.750	TRUE	30	0.76	1.31	0.66	0.66	0.6	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
$RImplicit$	Uses only implicit items
$RImplicit_{Pass1}$	Uses only implicit items & supposed to be fooled only by knowledge errors
$RImplicit_{Mother}$	Uses only mother's implicit items (exists only for Gen2)
$RImplicit_{Subject}$	Uses only subject's implicit items
$RImplicit_{2004}$	The state of the links in 2004. Rodgers & Rowe for Gen1; Rodgers, Johnson & Bard for Gen2
$RExplicit$	Uses only explicit items
$RExplicit_{Pass1}$	Uses only explicit items & supposed to be fooled only by knowledge errors