Comparison of Versions of Kinship Links

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Outcome: HeightStandarizedFor19to25;
RelationshipPath: Gen2Siblings [ID:2]; **Newer Links Version**: 50; **Older Links Version**: 50;

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Newer Links: Resumed inclusion of Gen2
Older Links: Resumed inclusion of Gen2
R Groups specifically excluded: { 0 }
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	.81	.00	.18	3487	.81	.00	.18	3487
RPass1	.81	.00	.18	3483	.81	.00	.18	3483
RImplicit	.81	.01	.19	3297	.81	.01	.19	3297
RImplicitPass1	.81	.00	.19	2879	.81	.00	.19	2879
RExplicit	.81	.01	.19	3472	.81	.01	.19	3472
RExplicitPass1	.76	.02	.21	3462	.76	.02	.21	3462
RImplicit2004	.85	.00	.15	3472	.85	.00	.15	3472

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
0.250	TRUE	1058	1.00	1.04	0.25	0.25	1.0	TRUE
0.375	TRUE	31	1.22	1.19	0.61	0.50	1.1	TRUE
0.500	TRUE	2385	1.01	1.04	0.40	0.39	0.9	TRUE
0.750	FALSE	0						FALSE
1.000	TRUE	13	0.97	0.97	0.92	0.95	0.1	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
0.250	TRUE	1058	1.00	1.04	0.25	0.25	1.0	TRUE
0.375	TRUE	31	1.22	1.19	0.61	0.50	1.1	TRUE
0.500	TRUE	2385	1.01	1.04	0.40	0.39	0.9	TRUE
0.750	FALSE	0						FALSE
1.000	TRUE	13	0.97	0.97	0.92	0.95	0.1	TRUE

Table 3: R – Older Version of Links

3 Subgroups – RPass1

RPass1	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	1057	1.01	1.04	0.25	0.25	1.0	TRUE
0.375	TRUE	30	1.26	1.23	0.63	0.50	1.2	TRUE
0.500	TRUE	2383	1.01	1.04	0.40	0.39	0.9	TRUE
0.750	FALSE	0						FALSE
1.000	TRUE	13	0.97	0.97	0.92	0.95	0.1	TRUE

Table 4: RPass1 – Newer Version of Links

RPass1	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	1057	1.01	1.04	0.25	0.25	1.0	TRUE
0.375	TRUE	30	1.26	1.23	0.63	0.50	1.2	TRUE
0.500	TRUE	2383	1.01	1.04	0.40	0.39	0.9	TRUE
0.750	FALSE	0						FALSE
1.000	TRUE	13	0.97	0.97	0.92	0.95	0.1	TRUE

Table 5: RPass1 – Older Version of Links

4 Subgroups – RImplicit

RImplicit	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	971	0.99	1.07	0.26	0.25	1.0	TRUE
0.500	TRUE	2313	1.02	1.05	0.40	0.39	0.9	TRUE
0.750	FALSE	0						FALSE
1.000	TRUE	13	0.97	0.97	0.92	0.95	0.1	TRUE

Table 6: RImplicit – Newer Version of Links

RImplicit	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	971	0.99	1.07	0.26	0.25	1.0	TRUE
0.500	TRUE	2313	1.02	1.05	0.40	0.39	0.9	TRUE
0.750	FALSE	0						FALSE
1.000	TRUE	13	0.97	0.97	0.92	0.95	0.1	TRUE

Table 7: RImplicit – Older Version of Links

5 Subgroups – RImplicitPass1

RImplicitPass1	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	784	0.98	1.07	0.21	0.21	1.0	TRUE
0.500	TRUE	2082	1.02	1.05	0.41	0.39	0.9	TRUE
0.750	FALSE	0						FALSE
1.000	TRUE	13	0.97	0.97	0.92	0.95	0.1	TRUE

Table 8: RImplicitPass1 – Newer Version of Links

RImplicitPass1	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	784	0.98	1.07	0.21	0.21	1.0	TRUE
0.500	TRUE	2082	1.02	1.05	0.41	0.39	0.9	TRUE
0.750	FALSE	0						FALSE
1.000	TRUE	13	0.97	0.97	0.92	0.95	0.1	TRUE

Table 9: RImplicitPass1 – Older Version of Links

6 Subgroups – RExplicit

RExplicit	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	1011	1.02	1.04	0.28	0.27	1.0	TRUE
0.375	TRUE	115	0.85	1.27	0.08	0.08	1.1	TRUE
0.500	TRUE	2333	1.02	1.04	0.40	0.39	0.9	TRUE
1.000	TRUE	13	0.97	0.97	0.92	0.95	0.1	TRUE

Table 10: 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	1011	1.02	1.04	0.28	0.27	1.0	TRUE
0.375	TRUE	115	0.85	1.27	0.08	0.08	1.1	TRUE
0.500	TRUE	2333	1.02	1.04	0.40	0.39	0.9	TRUE
1.000	TRUE	13	0.97	0.97	0.92	0.95	0.1	TRUE

Table 11: RExplicit – Older Version of Links

7 Subgroups – RExplicitPass1

RExplicitPass1	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	1011	1.02	1.04	0.28	0.27	1.0	TRUE
0.375	TRUE	115	0.85	1.27	0.08	0.08	1.1	TRUE
0.500	TRUE	2324	1.01	1.04	0.40	0.39	0.9	TRUE
1.000	TRUE	12	1.06	1.05	1.00	0.95	0.1	TRUE

Table 12: RExplicitPass1 – Newer Version of Links

RExplicitPass1	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	1011	1.02	1.04	0.28	0.27	1.0	TRUE
0.375	TRUE	115	0.85	1.27	0.08	0.08	1.1	TRUE
0.500	TRUE	2324	1.01	1.04	0.40	0.39	0.9	TRUE
1.000	TRUE	12	1.06	1.05	1.00	0.95	0.1	TRUE

Table 13: RExplicitPass1 – Older Version of Links

8 Subgroups – RImplicit2004

RImplicit2004	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	865	0.99	1.04	0.26	0.26	1.0	TRUE
0.375	TRUE	643	0.95	1.00	0.28	0.29	0.9	TRUE
0.500	TRUE	1952	1.01	1.06	0.42	0.41	0.9	TRUE
1.000	TRUE	12	1.00	1.03	0.97	0.95	0.1	TRUE

Table 14: RImplicit2004 – Newer Version of Links

RImplicit2004	Included in SEM	N_{Pairs}	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	865	0.99	1.04	0.26	0.26	1.0	TRUE
0.375	TRUE	643	0.95	1.00	0.28	0.29	0.9	TRUE
0.500	TRUE	1952	1.01	1.06	0.42	0.41	0.9	TRUE
1.000	TRUE	12	1.00	1.03	0.97	0.95	0.1	TRUE

Table 15: RImplicit2004 – Older Version of Links

9 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