Comparison of Versions of Kinship Links

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September 20, 2012

Outcome: HeightZGenderYob;
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: TRUE
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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	.47	.21	.32	4022	.45	.22	.33	4322
RExplicit	.77	.06	.17	3695	.77	.06	.17	3695
RImplicit2004	.73	.11	.15	2175	.73	.11	.15	2175

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	270	0.99	0.94	0.32	0.33	0.8	TRUE
0.125	TRUE	63	0.94	0.90	0.08	0.09	0.8	TRUE
0.250	TRUE	238	1.01	1.14	0.26	0.24	1.1	TRUE
0.375	TRUE	45	1.01	1.19	0.49	0.45	1.0	TRUE
0.500	TRUE	3382	0.97	1.02	0.44	0.44	0.8	TRUE
0.750	TRUE	13	0.85	0.57	0.42	0.61	0.3	TRUE
1.000	TRUE	11	0.27	0.59	0.36	0.89	0.0	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	270	0.99	0.94	0.32	0.33	0.8	TRUE
0.125	TRUE	70	0.90	0.91	0.12	0.13	0.8	TRUE
0.250	TRUE	248	1.01	1.15	0.28	0.26	1.1	TRUE
0.375	TRUE	90	1.19	1.35	0.66	0.52	1.2	TRUE
0.500	TRUE	3620	0.97	1.02	0.44	0.45	0.8	TRUE
0.750	TRUE	13	0.85	0.57	0.42	0.61	0.3	TRUE
1.000	TRUE	11	0.27	0.59	0.36	0.89	0.0	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	245	1.03	1.18	0.29	0.26	1.1	TRUE
0.375	TRUE	45	1.01	1.19	0.49	0.45	1.0	TRUE
0.500	TRUE	3405	0.97	1.01	0.44	0.44	0.8	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	245	1.03	1.18	0.29	0.26	1.1	TRUE
0.375	TRUE	45	1.01	1.19	0.49	0.45	1.0	TRUE
0.500	TRUE	3405	0.97	1.01	0.44	0.44	0.8	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	70	0.77	0.91	0.02	0.03	0.7	TRUE
0.250	TRUE	39	0.75	1.04	0.24	0.28	0.7	TRUE
0.375	TRUE	289	0.98	1.22	0.52	0.48	0.9	TRUE
0.500	TRUE	1751	0.96	0.97	0.45	0.47	0.7	TRUE
0.750	TRUE	26	0.69	0.97	0.49	0.60	0.4	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	0.77	0.91	0.02	0.03	0.7	TRUE
0.250	TRUE	39	0.75	1.04	0.24	0.28	0.7	TRUE
0.375	TRUE	289	0.98	1.22	0.52	0.48	0.9	TRUE
0.500	TRUE	1751	0.96	0.97	0.45	0.47	0.7	TRUE
0.750	TRUE	26	0.69	0.97	0.49	0.60	0.4	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