

Comparison of Versions of Kinship Links

Joe Rodger's BG Team

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Outcome: HeightZGenderAge;

Relationship Paths: (Gen2Siblings) [IDs:(2)];

R Groups specifically excluded: { }

Drop pair if housemates are not confirmed in the same generation: FALSE

1 Subgroups – R

R	Included in SEM	N_{Pairs}	\bar{x}_1	\bar{x}_2	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	1862	-0.07	-0.08	1.04	1.04	0.27	0.26	1.0	TRUE
0.375	TRUE	46	0.22	-0.11	1.07	0.96	0.43	0.42	0.8	TRUE
0.500	TRUE	3960	-0.01	-0.04	0.97	0.96	0.39	0.41	0.8	TRUE
0.750	FALSE	0								FALSE
1.000	TRUE	16	-0.13	-0.21	0.99	1.06	0.95	0.92	0.2	TRUE

Table 1: R

2 Subgroups – RFull

RFull	Included in SEM	N_{Pairs}	\bar{x}_1	\bar{x}_2	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	1862	-0.07	-0.08	1.04	1.04	0.27	0.26	1.0	TRUE
0.375	TRUE	46	0.22	-0.11	1.07	0.96	0.43	0.42	0.8	TRUE
0.500	TRUE	3960	-0.01	-0.04	0.97	0.96	0.39	0.41	0.8	TRUE
0.750	FALSE	0								FALSE
1.000	TRUE	16	-0.13	-0.21	0.99	1.06	0.95	0.92	0.2	TRUE

Table 2: RFull

3 Subgroups – RExplicit

RExplicit	Included in SEM	N_{Pairs}	\bar{x}_1	\bar{x}_2	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	1767	-0.07	-0.09	1.05	1.03	0.29	0.28	1.0	TRUE
0.375	TRUE	180	0.06	0.01	0.90	1.16	0.14	0.14	1.0	TRUE
0.500	TRUE	3882	-0.01	-0.04	0.98	0.96	0.39	0.41	0.8	TRUE
1.000	TRUE	16	-0.13	-0.21	0.99	1.06	0.95	0.92	0.2	TRUE

Table 3: RExplicit

4 Subgroups – RImplicit

RImplicit	Included in SEM	N_{Pairs}	\bar{x}_1	\bar{x}_2	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	1743	-0.07	-0.10	1.05	1.04	0.27	0.26	1.0	TRUE
0.500	TRUE	3859	-0.01	-0.03	0.98	0.97	0.40	0.41	0.8	TRUE
0.750	FALSE	0								FALSE
1.000	TRUE	16	-0.13	-0.21	0.99	1.06	0.95	0.92	0.2	TRUE

Table 4: RImplicit

5 Subgroups – RImplicit2004

RImplicit2004	Included in SEM	N_{Pairs}	\bar{x}_1	\bar{x}_2	s_1^2	s_2^2	$s_{1,2}$	r	Determinant	PosDefinite
0.250	TRUE	1466	-0.08	-0.10	1.01	1.03	0.26	0.26	1.0	TRUE
0.375	TRUE	962	-0.07	-0.07	1.00	0.92	0.30	0.32	0.8	TRUE
0.500	TRUE	3401	0.01	-0.02	0.98	0.98	0.40	0.41	0.8	TRUE
1.000	TRUE	15	-0.07	-0.19	1.01	1.13	1.00	0.93	0.2	TRUE

Table 5: RImplicit2004

6 Ace - Comparison of R Variants

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

dAcePretty[, 1]	a^2	c^2	e^2	N
R	.79	.03	.18	5,884
RFull	.79	.03	.18	5,884
RExplicit	.74	.05	.21	5,845
RImplicit	.79	.03	.18	5,618
RImplicit2004	.81	.02	.17	5,844

Table 6: Comparison of R Variants (by rows) and of Links Versions (left vs right side).

7 Explanation of R Variants

Variant	Explanation
R	We recommend researchers typical use this version.
R_{Full}	The most complete version we have; doesn't exclude groups like $R=0$.
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