

Comparison of Versions of Kinship Links

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Outcome: HeightZGenderAge;

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

R Groups specifically excluded: { 0.375 }

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	951	-0.02	-0.06	1.04	1.06	0.25	0.24	1.0	TRUE
0.375	FALSE	18	0.32	0.07	1.11	0.99	0.45	0.43	0.9	TRUE
0.500	TRUE	1968	0.00	0.00	0.96	0.95	0.37	0.39	0.8	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	951	-0.02	-0.06	1.04	1.06	0.25	0.24	1.0	TRUE
0.375	FALSE	18	0.32	0.07	1.11	0.99	0.45	0.43	0.9	TRUE
0.500	TRUE	1968	0.00	0.00	0.96	0.95	0.37	0.39	0.8	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	906	-0.02	-0.07	1.04	1.05	0.27	0.26	1.0	TRUE
0.375	FALSE	84	0.06	0.14	0.92	1.18	0.24	0.23	1.0	TRUE
0.500	TRUE	1926	-0.00	0.00	0.97	0.95	0.37	0.39	0.8	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	913	-0.01	-0.06	1.06	1.05	0.28	0.26	1.0	TRUE
0.500	TRUE	1903	-0.01	-0.00	0.97	0.96	0.38	0.39	0.8	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	761	-0.03	-0.04	1.02	1.04	0.29	0.28	1.0	TRUE
0.375	FALSE	476	-0.04	-0.08	1.04	0.92	0.28	0.28	0.9	TRUE
0.500	TRUE	1682	0.01	0.02	0.96	0.97	0.37	0.39	0.8	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	se_{a^2}	se_{c^2}	se_{e^2}	N
R	.68	.06	.26	.13	.06	.08	2,919
RFull	.68	.06	.26	.13	.06	.08	2,919
RExplicit	.61	.09	.30	.14	.06	.08	2,832
RImplicit	.58	.11	.31	.14	.06	.08	2,816
RImplicit2004	.47	.16	.37	.15	.06	.08	2,443

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
$RImplicit$	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