

Comparison of Versions of Kinship Links

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September 29, 2015

Outcome: HeightZGenderAge;

Relationship Paths: (Gen1Housemates) [IDs:(1)];

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R Groups specifically excluded: { }
Drop pair if housemates are not confirmed in the same generation: FALSE
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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	89	-0.11	0.16	1.07	1.15	0.30	0.27	1.1	TRUE
0.500	TRUE	1099	-0.10	-0.07	0.97	1.01	0.47	0.47	0.8	TRUE
1.000	TRUE	6	-0.01	0.32	0.32	0.87	0.48	0.92	0.0	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
0.000	TRUE	123	0.05	-0.02	0.67	0.54	0.11	0.19	0.3	TRUE
0.062	TRUE	7	-0.51	0.27	1.91	0.55	0.40	0.40	0.9	TRUE
0.125	TRUE	20	-0.42	-0.60	0.72	1.04	0.20	0.23	0.7	TRUE
0.250	TRUE	97	-0.11	0.19	1.03	1.10	0.26	0.24	1.1	TRUE
0.375	TRUE	7	-0.09	0.06	0.85	0.74	-0.08	-0.10	0.6	TRUE
0.500	TRUE	1109	-0.09	-0.07	0.97	1.00	0.47	0.47	0.8	TRUE
0.750	TRUE	6	-0.42	0.08	0.68	0.98	0.68	0.83	0.2	TRUE
1.000	TRUE	6	-0.01	0.32	0.32	0.87	0.48	0.92	0.0	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
0.000	TRUE	13	-0.25	0.20	0.60	0.41	-0.07	-0.14	0.2	TRUE
0.250	TRUE	88	-0.11	0.20	1.11	1.13	0.34	0.30	1.1	TRUE
0.375	TRUE	13	-0.26	-0.40	0.65	0.97	0.21	0.26	0.6	TRUE
0.500	TRUE	994	-0.11	-0.06	0.93	0.97	0.46	0.48	0.7	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
0.000	TRUE	55	0.11	-0.05	0.81	0.64	0.10	0.13	0.5	TRUE
0.250	TRUE	43	-0.04	0.01	1.11	0.84	0.21	0.21	0.9	TRUE
0.500	TRUE	983	-0.07	-0.02	0.96	0.99	0.43	0.44	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
0.125	TRUE	25	-0.13	-0.21	0.70	1.05	0.23	0.26	0.7	TRUE
0.250	TRUE	11	0.17	0.15	0.80	1.30	0.55	0.54	0.7	TRUE
0.375	TRUE	83	-0.14	-0.08	0.92	1.01	0.38	0.39	0.8	TRUE
0.500	TRUE	522	-0.05	-0.02	0.93	1.03	0.44	0.45	0.8	TRUE
0.750	TRUE	15	-0.06	0.22	0.60	1.12	0.67	0.82	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	se_{a^2}	se_{c^2}	se_{e^2}	N
R	.78	.08	.14	.14	.07	.07	1,194
RFull	.65	.14	.21	.17	.08	.09	1,375
RExplicit	.97	.00	.03	.07	.00	.05	1,108
RImplicit	.62	.13	.25	.29	.14	.15	1,081
RImplicit2004	.66	.13	.21	.41	.20	.21	656

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