## Comparison of Versions of Kinship Links Joe Rodger's BG Team

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 ${\bf Outcome} \hbox{: } {\rm HeightZGenderAge};$ 

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	1071	0.00	-0.04	1.08	1.05	0.21	0.20	1.1	TRUE
0.375	TRUE	29	0.24	0.02	1.37	0.93	0.53	0.47	1.0	TRUE
0.500	TRUE	1091	-0.04	-0.06	0.95	0.99	0.31	0.32	0.8	TRUE
0.750	FALSE	0								FALSE
1.000	TRUE	8	-0.48	-0.73	0.95	0.90	0.82	0.89	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	1071	0.00	-0.04	1.08	1.05	0.21	0.20	1.1	TRUE
0.375	TRUE	29	0.24	0.02	1.37	0.93	0.53	0.47	1.0	TRUE
0.500	TRUE	1091	-0.04	-0.06	0.95	0.99	0.31	0.32	0.8	TRUE
0.750	FALSE	0								FALSE
1.000	TRUE	8	-0.48	-0.73	0.95	0.90	0.82	0.89	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	1017	-0.01	-0.04	1.10	1.04	0.25	0.23	1.1	TRUE
0.375	TRUE	99	0.11	0.09	0.98	1.27	0.04	0.04	1.2	TRUE
0.500	TRUE	1058	-0.04	-0.07	0.96	0.97	0.31	0.32	0.8	TRUE
1.000	TRUE	8	-0.48	-0.73	0.95	0.90	0.82	0.89	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	989	0.01	-0.06	1.10	1.04	0.21	0.19	1.1	TRUE
0.500	TRUE	1012	-0.06	-0.05	0.94	1.03	0.31	0.32	0.9	TRUE
0.750	FALSE	0								FALSE
1.000	TRUE	8	-0.48	-0.73	0.95	0.90	0.82	0.89	0.2	TRUE

Table 4: RImplicit

# $5\quad Subgroups-RImplicit 2004$

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	858	-0.05	-0.08	1.05	1.02	0.21	0.20	1.0	TRUE
0.375	TRUE	510	-0.01	0.02	1.14	0.89	0.26	0.26	0.9	TRUE
0.500	TRUE	808	0.00	-0.05	0.90	1.06	0.32	0.32	0.9	TRUE
1.000	TRUE	8	-0.48	-0.73	0.95	0.90	0.82	0.89	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	.68	.01	.31	.16	.06	.10	2,199
RFull	.68	.01	.31	.16	.06	.10	2,199
RExplicit	.58	.05	.37	.17	.07	.11	2,182
RImplicit	.69	.00	.31	.06	.00	.05	2,009
RImplicit2004	.69	.01	.30	.18	.07	.11	2,184

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