

Heritability by Subgroup

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Gen2 Link Version: 2011V28. DV Names: 'BMI₁' and 'BMI₂' in

'F:/Projects/Nls/Links2011/Analysis/Df/2012-01-07/BMI_{sexIntellDoubleEntryLinked.csv}'.

This uses DF method 3, where only two coefficients are estimated (Rodgers and Kohler, 2005, BG).

Implicit ambiguous sibs were assigned R=0.375. All height measures are from 19-25 years of age, standardized by gender (Kelly restandardized early December 2011). Counts reflect the double entry.

Subgroup	N	h^2	c^2	e^2	\bar{X}	σ	σ^3	$N_{.25}$	$N_{.375}$	$N_{.5}$	$N_{.75}$	N_{Mz}	$r_{.25}$	$r_{.375}$	$r_{.5}$	r_{Mz}
Total	13578	-1.82	1.02	1.80	26.01	6.16	1.35	4442	0	9102	0	34	0.14		0.34	0.95
FF	3260	-3.02	1.52	2.50	26.44	6.78	1.25	1092	0	2158	0	10	0.11		0.42	0.97
MF	6822	-1.84	1.00	1.84	25.87	6.11	1.37	2260	0	4562	0	0	0.16		0.30	
MM	3496	0.01	0.26	0.73	25.90	5.60	1.38	1090	0	2382	0	24	0.11		0.33	0.92
Hispanic	3508	0.55	-0.01	0.46	26.20	5.98	1.27	932	0	2574	0	2	0.15		0.25	-1.00
Black	4958	-1.09	0.62	1.47	27.10	6.60	1.30	2486	0	2456	0	16	0.12		0.32	0.88
NBNH	5112	-0.77	0.68	1.09	24.84	5.60	1.43	1024	0	4072	0	16	0.13		0.38	0.97
Hisp FF	810	-3.37	1.60	2.76	26.26	6.25	1.17	216	0	594	0	0	0.16		0.26	
Hisp MF	1712	2.02	-0.62	-0.41	26.00	5.91	1.21	478	0	1234	0	0	0.17		0.28	
Hisp MM	986	2.17	-0.80	-0.37	26.49	5.87	1.49	238	0	746	0	2	0.03		0.20	-1.00
Black FF	1296	-1.52	0.81	1.70	28.13	7.44	1.07	648	0	644	0	4	0.08		0.41	0.96
Black MF	2462	-0.77	0.44	1.33	26.95	6.45	1.34	1246	0	1216	0	0	0.12		0.21	
Black MM	1200	-1.08	0.66	1.42	26.29	5.76	1.40	592	0	596	0	12	0.12		0.38	0.32
NBNH FF	1154	0.03	0.36	0.61	24.67	5.82	1.47	228	0	920	0	6	-0.00		0.47	0.98
NBNH MF	2648	-2.54	1.43	2.12	24.79	5.71	1.50	536	0	2112	0	0	0.19		0.34	
NBNH MM	1310	1.97	-0.57	-0.41	25.09	5.14	1.18	260	0	1040	0	10	0.10		0.39	0.96

Table 1: Height Heritability

1 Total Sample

Plot Explanation: Each row of graphs isolates a subgroup.

Each cell in a row isolates a unique value of R; this is displayed in the gray header above each cell.

Axis and hexbin sizes are constants across all rows.

The orange line is the LS regression for the row (repeated in each cell).

The yellow line is the LS regression for the cell.

The green line is the loess for each cell. It's bandwidth is not constant across allrows.

The hexbin density color is not constant across rows.

Relevant portions of the table are repeated on each page.