Heritability by Subgroup

Joe Rodger's BG Team

September 1, 2012

Gen2 Link Version: 2011V28. DV Names: '`HtSt19to25_1`' and '`HtSt19to25_2`' in '`F:/Projects/Nls/Links2011/Analysis/Df/2012-01-13/DoubleEntered.csv`'.

This uses OpenMX, based off the example that David emailed Dec 16, 2011. The dataset was reduced to single entered (and counts reflect this).

Ambiguous sibs were EXCLUDED from the ACE.

All height measures are from 19-25 years of age, standardized by gender (Kelly restandardized early Jan 2012).

Subgroup	N	h^2	c^2	e^2	$\bar{X}$	σ	σ^3	$N_{.25}$	$N_{.375}$	N_{Full}	N_{Dz}	$N_{.75}$	N_{Mz}	$r_{.25}$	$r_{.375}$	r_{Full}	r_{Dz}	r_{Mz}
Total	3487	0.81	0.01	0.19	-0.0	1.0	-0.0	2114	58	4728	48	0	26	0.25	0.48	0.39	0.50	0.95
FF	877	0.94	0.00	0.05	-0.0	1.0	0.1	562	10	1158	14	0	10	0.32	0.10	0.45	0.23	0.95
MF	1735	0.55	0.09	0.35	0.0	1.0	-0.1	1062	26	2356	26	0	0	0.23	0.53	0.36	0.50	
MM	875	0.82	0.00	0.18	-0.1	1.0	-0.0	490	22	1214	8	0	16	0.20	0.45	0.36	0.54	0.94
Hispanic	878	0.28	0.27	0.46	-0.4	0.9	0.1	396	14	1336	10	0	0	0.33	0.53	0.40	0.04	
Black	1429	0.57	0.03	0.40	-0.0	1.0	0.0	1324	40	1466	18	0	10	0.18	0.49	0.29	0.41	0.88
NBNH	1180	0.74	0.00	0.26	0.2	1.0	-0.3	394	4	1926	20	0	16	0.27	-1.00	0.34	0.56	0.95
Hisp FF	205	0.07	0.42	0.51	-0.4	0.9	0.2	106	2	302	0	0	0	0.42	-1.00	0.47		
Hisp MF	420	0.42	0.17	0.41	-0.3	1.0	0.1	190	8	634	8	0	0	0.27	0.93	0.37	0.23	
Hisp MM	253	0.12	0.33	0.55	-0.4	0.9	0.0	100	4	400	2	0	0	0.35	-0.33	0.40	-1.00	
Black FF	387	0.15	0.24	0.61	-0.0	1.0	0.1	376	6	382	6	0	4	0.28	-0.16	0.32	-0.31	0.80
Black MF	716	0.47	0.07	0.46	0.0	1.0	0.0	664	18	742	8	0	0	0.18	0.17	0.30	0.59	
Black MM	326	0.58	0.00	0.42	-0.1	1.0	0.1	284	16	342	4	0	6	0.07	0.59	0.24	-0.33	0.89
NBNH FF	285	0.98	0.00	0.02	0.2	1.0	-0.1	80	2	474	8	0	6	0.20	-1.00	0.46	0.84	0.97
NBNH MF	599	0.32	0.15	0.53	0.3	1.0	-0.4	208	0	980	10	0	0	0.26		0.30	0.35	
NBNH MM	296	0.71	0.00	0.29	0.2	1.0	-0.2	106	2	472	2	0	10	0.32	-1.00	0.29	-1.00	0.94

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.