Heritability by Subgroup

Joe Rodger's BG Team

January 14, 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	3458	0.82	0.00	0.18	-0.0	1.0	-0.0	2114	0	4728	48	0	26	0.25		0.39	0.50	0.95
FF	872	0.94	0.00	0.05	-0.0	1.0	0.1	562	0	1158	14	0	10	0.32		0.45	0.23	0.95
MF	1722	0.56	0.09	0.35	0.0	1.0	-0.1	1062	0	2356	26	0	0	0.23		0.36	0.50	
MM	864	0.81	0.00	0.19	-0.1	1.0	-0.0	490	0	1214	8	0	16	0.20		0.36	0.54	0.94
Hispanic	871	0.29	0.26	0.46	-0.4	0.9	0.1	396	0	1336	10	0	0	0.33		0.40	0.04	
Black	1409	0.58	0.02	0.40	-0.0	1.0	0.0	1324	0	1466	18	0	10	0.18		0.29	0.41	0.88
NBNH	1178	0.74	0.00	0.26	0.2	1.0	-0.3	394	0	1926	20	0	16	0.27		0.34	0.56	0.95
Hisp FF	204	0.02	0.45	0.53	-0.5	0.9	0.2	106	0	302	0	0	0	0.42		0.47		
Hisp MF	416	0.47	0.14	0.39	-0.3	1.0	0.1	190	0	634	8	0	0	0.27		0.37	0.23	
Hisp MM	251	0.08	0.35	0.57	-0.4	0.9	0.0	100	0	400	2	0	0	0.35		0.40	-1.00	
Black FF	384	0.15	0.24	0.61	-0.0	1.0	0.1	376	0	382	6	0	4	0.28		0.32	-0.31	0.80
Black MF	707	0.47	0.07	0.46	0.0	1.0	0.0	664	0	742	8	0	0	0.18		0.30	0.59	
Black MM	318	0.53	0.00	0.47	-0.1	1.0	0.0	284	0	342	4	0	6	0.07		0.24	-0.33	0.89
NBNH FF	284	0.98	0.00	0.02	0.2	1.0	-0.1	80	0	474	8	0	6	0.20		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	295	0.71	0.00	0.29	0.2	1.0	-0.2	106	0	472	2	0	10	0.32		0.29	-1.00	0.94

1 Total Sample
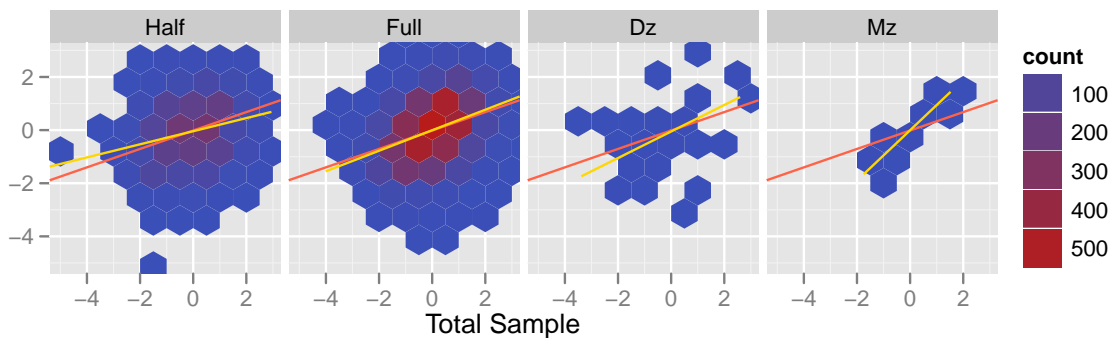
Plot Explanation: Each row of graphs isolates a subgroup.

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.