Heritability by Subgroup

Joe Rodger's BG Team

January 13, 2012

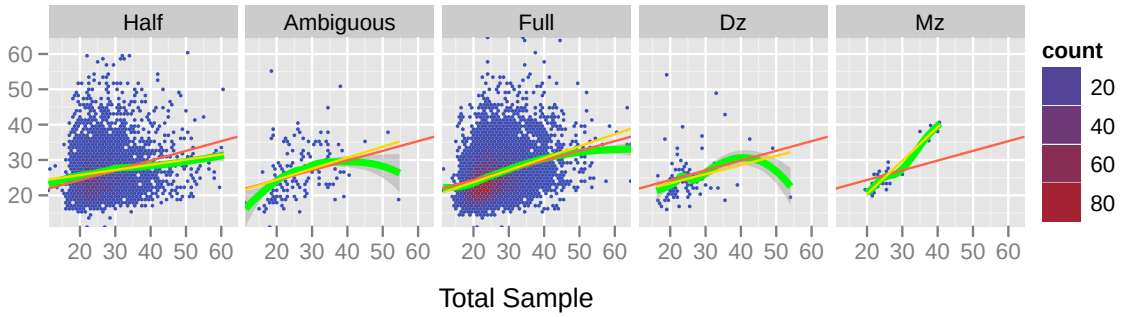
Gen2 Link Version: 2011V28. DV Names: '`Bmi_1`' and '`Bmi_2`' in '`F:/Projects/Nls/Links2011/Analysis/Df/2012-01-13/DoubleEntered.csv`'.

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

Implicit ambiguous sibs were assigned R=0.375.

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	13840	0.76	-0.04	0.28	26.0	6.2	1.3	4470	146	9096	94	0	34	0.15	0.31	0.34	0.26	0.95
FF	3330	1.10	-0.12	0.02	26.4	6.8	1.2	1098	44	2148	30	0	10	0.12	0.40	0.42	0.63	0.97
MF	6932	0.54	0.03	0.43	25.8	6.1	1.3	2274	50	4562	46	0	0	0.16	0.20	0.30	0.00	
MM	3578	0.90	-0.12	0.21	25.9	5.7	1.4	1098	52	2386	18	0	24	0.11	0.30	0.33	0.52	0.92
Hispanic	3560	0.39	0.05	0.56	26.2	6.0	1.3	934	28	2580	16	0	2	0.15	0.40	0.24	0.37	-1.00
Black	5050	0.77	-0.07	0.30	27.1	6.6	1.3	2494	72	2430	38	0	16	0.12	-0.19	0.32	0.06	0.88
NBNH	5230	0.94	-0.08	0.14	24.8	5.6	1.4	1042	46	4086	40	0	16	0.13	0.76	0.38	0.50	0.97
Hisp FF	822	0.33	0.10	0.58	26.2	6.3	1.1	216	8	592	6	0	0	0.16	-0.01	0.25	0.47	
Hisp MF	1740	0.37	0.08	0.55	26.0	5.9	1.2	480	12	1240	8	0	0	0.17	-0.24	0.26	-0.92	
Hisp MM	998	0.63	-0.11	0.48	26.5	5.9	1.5	238	8	748	2	0	2	0.03	0.56	0.20	-1.00	-1.00
Black FF	1316	1.30	-0.23	-0.07	28.1	7.4	1.1	648	20	636	8	0	4	0.08	0.27	0.42	-0.04	0.96
Black MF	2498	0.34	0.03	0.63	27.0	6.5	1.3	1250	26	1206	16	0	0	0.12	-0.55	0.22	-0.38	
Black MM	1236	1.03	-0.15	0.12	26.3	5.8	1.4	596	26	588	14	0	12	0.13	-0.32	0.38	0.54	0.32
NBNH FF	1192	1.65	-0.36	-0.29	24.5	5.8	1.4	234	16	920	16	0	6	-0.01	0.60	0.47	0.61	0.98
NBNH MF	2694	0.47	0.11	0.42	24.7	5.7	1.5	544	12	2116	22	0	0	0.20	0.96	0.34	0.45	
NBNH MM	1344	1.03	-0.12	0.09	25.0	5.3	1.2	264	18	1050	2	0	10	0.09	0.78	0.38	-1.00	0.96

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.