
Subject: Coefficients are large in multilevel analysis

Posted by dga1n@soton.ac.uk on Fri, 15 Feb 2019 10:40:57 GMT

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Dear DHS specialists,

When I have using a multilevel linear regression models to analyse birth weight (continuous), I am getting large coefficients for my results (see below) This can be seen even after applying for weights. Is this fine? or is there any way I can get change this? I checked the multicollinearity and also are fine..

b_interval |

First birth	0 (base)					
<24	115.4945	29.0165	3.98	0.000	58.59253	172.3965
24-47	137.8109	15.69198	8.78	0.000	107.0386	168.5832
48-59	122.9485	22.0587	5.57	0.000	79.69093	166.2061
60+	61.07513	14.89308	4.10	0.000	31.86946	90.2808

wealth index |

Lowest	0 (base)					
Secondary	36.35094	19.18614	1.89	0.058	-1.273514	73.97539
Middle	42.6571	20.92505	2.04	0.042	1.622606	83.69159
Fourth	68.12738	21.27426	3.20	0.001	26.40808	109.8467
Highest	103.369	25.5519	4.05	0.000	53.26114	153.4768

|

residence	0 (base)					
Urban						
Rural	-11.62815	17.74448	-0.66	0.512	-46.42547	23.16918
Estate	-74.43972	36.53593	-2.04	0.042	-146.0875	-2.791947

|

Could you kindly please explain this?

Thanks