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Subject: Re: Maternal height: strange patterns

Posted by [Reduced-For\(u\)m](#) on Thu, 25 Jan 2018 04:17:43 GMT

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What about a graph that shows cohort on the X-axis and average maternal height by cohort on the Y-axis, graphed in two separate lines, one from the 2005 survey and one from the 2010?

It might help at least rule out some possibilities... if you are right about the measurement thing, then I THINK that the 2010 curve should lie below the 2005 curve for each cohort. I think you said you checked that, but it might be worth looking at it by year of birth and not just bins and seeing it graphically.

Then maybe if that looks as expected a second way to check the within-survey equipment break-down problem would be to make that same graph but instead of 2005/10 breaking it up by early/late survey timing using just the 2010 data (after just calculating the mean by survey month, which would be the easiest way, and maybe makes this option unnecessary).

Apparently I want to know the answer, because my unconscious brain seems to have been thinking about this on my drive home. Let me know if you figure it out... and I'd love to actually just see the problem in a graph, because it sounds like it would look cool and I could show it around and see if anyone had any ideas.

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