
Subject: Mapping Z-scores

Posted by [hm_DHS](#) on Wed, 02 Jul 2014 23:29:42 GMT

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Hello -

I'm using the Malawi 2010, 2004, and 2000 DHS data.

We're using the GPS coordinates of the clusters to represent mean cluster height-for-age and weight-for-height Z scores spatially.

We are interpolating from the DHS cluster data using Inverse Distance Weighting.

This gives us an estimated mean Z-score for each pixel.

We've then extracted Z-score statistics (min, max, range, mean, std, sum) for each traditional authority (sub-district level). I've attached an example of one of the maps.

I have two questions

- (1) do we need to use the sampling weights when we plot and interpolate the GPS cluster data?
- (2) if we're using inverse distance weighting to make the maps, are we making faulty inferences if we extract data at the sub-provincial level, given that the DHS Malawi 2010 is only meant to be representative at the level of the region or province?

Thank you for your help.

HC

File Attachments

1) [IDW_test.jpeg](#), downloaded 758 times
