Subject: Re: How to transform children's height into standardized height
Posted by sanoussi on Wed, 11 Feb 2015 08:42:02 GMT

Thank you very much,
I comeback to you again.
After calculating my own z-scores from the WHO standards using zscore06 package, i want to determine what children's height would be if they are all girls at 24 months of age. This is an example of what i want to do:

From the DHS data, if we observe a 46-month-old male who is 95.3 cm in height. Using the 2000 CDC growth charts for a 46-month male, we calculate his Z-score to be 1.40. We then use this relative position to determine what his height would be if he were a 24-month-old female, which is 80.1 cm. This 46-month old male with 95.3 cm thus maintains his relative position, but has a standardized height that can be compared to standardized heights for other children at different ages and sex. The standardized height of 46-month old male with 95.3 cm is 80.1 cm.

this is done by the formula attached
Thank you for your help

File Attachments
1) Standardized height.docx, downloaded 734 times