For H2, when we use the ten-years-old stage to compare the Chinese samples of PSA001 with the 7th census data, we found that the age distribution of PSA001 is different from that of the census data, with strong evidence from Bayesian multinomial test, log(BF10) = 113.33 for non-informative prior and log(BF10) = 63.54 for informative prior.

For H3, we also use the ten-year-old stage to explore the common and distinct pattern between Chinese psychological samples and psychological samples from other regions. For age distribution, the pairwise Bayesian multinomial test with non-informative revealed strong evidence that samples from seventeen countries are the same as Chinese psychological samples (see Figure 4B, 4D). These preliminary results was similar to that divided by developmental stage and it indicated that the psychological samples from many regions are similar, probably most of them are college students or communities around university campus (Arnett, 2008).

