Subject: Weighted multilevel models using Tanzania SPA
Posted by cmoucheraud on Wed, 28 Feb 2018 19:51:00 GMT
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Hello,

I am trying to run a multilevel model using Tanzania SPA data (including facility, provider and client levels) -- but I cannot get any of these models to converge when the multiple levels' sampling weights are included. We have isolated the problem as due to the extremely skewed distribution of the facility-level sampling weight (it has a very long right tail with interruptions).

Has anyone found a way to work with multilevel models & multiple levels of survey weights, with the Tanzania SPA dataset or any of the other SPA datasets that have a similarly skewed distribution of facility weights?

Thanks in advance!,
Corrina