Subject: Re: Combine weights Men and Women - Cambodia DHS
Posted by pie on Tue, 07 Jul 2020 21:50:31 GMT
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Dear Dr. Pollum,

I greatly appreciate your response.

I have one more question. In each of my multivariate logistic regression analyses (2005, 2010 and 2014), pre-test counseling has been found to be the most significant predictor of HIV testing during ANC. However, in 2014, the counseling coverage was only about 60% nationally, and as low as 30% in some under-developed regions.

My next step is to build a multivariate prediction model [outcome: HIV testing during ANC (Yes/No), exposure: pre-test counseling (Yes/No), confounders: category variables, and time-points: 2005, 2010 & 2014]. I would like the model to predict the minimum pre-testing counseling coverage required to reach a certain percentage of HIV testing during ANC (e.g. at least 90% of ANC-attending women will receive testing, nationally and/or in any particular regions).

I have done a lot of reading on potential statistical methods (e.g. multivariate time series analysis...etc.). Unfortunately, I still do not know where to begin. I would greatly appreciate it if you could give me some guidance.

Sincerely
Pie