
Subject: Re: Using weights in regression analysis
Posted by [Bridgette-DHS](#) on Fri, 26 Apr 2013 14:48:14 GMT
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Here is a response from one of our STATA experts Tom Pullum:

"Weighting does not inflate or deflate the number of cases in your analysis. All it does is re-balance them so that under-sampled sub populations are weighted up, and over-sampled sub populations are weighted down, producing estimates of proportions, means, or coefficients that are unbiased. In any kind of regression or test using pweights in Stata, at least, the weights are calculated so that the sum of the weighted cases is exactly the same as the sum of the unweighted cases. You don't have to do anything -- this is automatic.

Standard errors and confidence intervals and statistical tests, in Stata at least, are calculated in a "robust" way with formulas that have been carefully developed. Those things will be more sensitive to whether you take the clusters and strata into account, using svyset and svy, than to whether you use weights. DHS strongly recommends that you make those adjustments."
