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*****
* This SAS script reads in the sample data set posted on
* https://brinda-nutrition.org/the-brinda-approach/
* Goal: to calculate the 1st decile for CRP in PSC
* by Emma Yu (emmayu3451@hotmail.com) in April, 2018
*****;

* Import data set using Import Wizard;

* Make sure the data set is imported correctly;
proc contents data = sample varnum; run;

* Log transform CRP;
data sample2;
    set sample;
    log_crp = log(crp);
run;

* Calculate the deciles for log(CRP);
proc surveymeans data=malawi2016 deciles;
    weight WEIGHT_CRP;
    stratum STRATA;
    cluster CLUSTER;
    var log_crp;
run;
```