Subject: Sample Weights in Geographically Weighted Regression
Posted by mcarrel on Fri, 26 Jan 2018 15:48:03 GMT

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I would like to use geographically weighted regression techniques to understand how the relationship between covariates and outcomes in the Kenya DHS vary over space (i.e. is the relationship between wealth and health care usage different across clusters). Geographically weighted regression can be done in R but not SAS or Stata and doesn't have built in commands for applying sample weights, only spatial weights. Is there a way to multiply the sample weight by all the covariates and the dependent variable and then incorporate this new, already weighted, data into the geographically weighted regression environment?