
Subject: Maternal Education and Stunting
Posted by [Morrilu](#) on Tue, 26 Mar 2024 14:03:39 GMT
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HI,
I am very unsure about how to progress in my analysis. I have gotten all of the classifications of stunting, underweight and wasting done (eg, -2SD), but now I'm unsure about how to progress. I want to look at the impact that each additional year of education a mother has on stunting and then look at how this varies across urban and rural areas. I then want to look at which classification of education (eg. no education, incomplete primary, complete primary etc) has the greatest relative return.

Any ideas on the commands I would need to put into stata?

Thanks

Subject: Re: Maternal Education and Stunting
Posted by [Janet-DHS](#) on Thu, 28 Mar 2024 19:25:17 GMT
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Following is a response from DHS staff member, Tom Pullum:

To proceed with your analysis in Stata, you will need to use regression commands. For your first question, you can use a logistic regression model where the dependent variable is stunting (coded as 1 for stunted, 0 for not stunted) and the independent variable is mother's education (measured in years). You can also include an interaction term between mother's education and a binary variable for urban/rural location to see how the impact of mother's education on stunting varies across urban and rural areas. The Stata command for this would be:

```
logit stunting c.mother_education###c.urban_rural
```

For your second question, you will need to recode mother's education into categories (e.g., no education, incomplete primary, complete primary, etc.) and then run a logistic regression model with these categories as independent variables. You can then compare the coefficients to determine which category yields the greatest relative return. The Stata command for this would be:

```
xi: logit stunting i.education_category
```

Please note that these are basic commands and you may need to adjust them based on the specifics of your dataset and research question.
