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Subject: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [els.sima](#) on Fri, 13 Aug 2021 13:07:32 GMT

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Hi all,

Title:- "A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia".

ETIR81FL.DTA and ETKR81FL.DTA are a DHS survey data for women and children, respectively.

I am benchmarking a paper by (Abhishek Singh et al, 2014) (attached) and the following are my requests: The data contains a very detailed report and I can't properly depict the right column for the dependent and independent variables.

For example, I wanted BMI data since it is my dependent variable and I ain't sure which variable to select from the listed below (hw73\_1, hw73\_2, hw73\_3, hw73\_4, hw73\_5, hw73\_6).

label variable hw73\_1 "BMI standard deviation (new WHO)"

label variable hw73\_2 "BMI standard deviation (new WHO)"

label variable hw73\_3 "BMI standard deviation (new WHO)"

label variable hw73\_4 "BMI standard deviation (new WHO)"

label variable hw73\_5 "BMI standard deviation (new WHO)"

label variable hw73\_6 "BMI standard deviation (new WHO)"

Thus, please, help me with the below detailed requests.

Thus, the two DEPENDENT variables I wanted are

1. Body mass index for currently married women.
2. Stunting, wasting and underweight for children.

The INDEPENDENT VARIABLES are

3. The measure of household insecurity. To construct this measure, I wanted to get the answers to the following questions (which columns are they?).

4. In the past 12 months, how frequently did you worry that your household would not have enough food?

5. In the past 12 months, how often were you or any household member not able to eat the kinds of foods you preferred because of a lack of resources?

6. In the past 12 months, how often did you or any household member have to eat a limited variety of foods due to lack of resources?

7. In the past 12 months, how often did you or any household member have to eat a smaller meal than you felt you needed because there was not enough food?

8. In the past 12 months, how often did you or any household member eat fewer meals in a day

because of lack of resources to get food?

9. In the past 12 months, how often was there no food to eat of any kind in your household because of lack of resources to get food?

10. In the past 12 months, how often did you or any household member go to sleep at night hungry because there was not enough food?

Furthermore, the OTHER INDEPENDENT VARIABLES are

#### FOR CHILDREN ANALYSIS

12. Mother's schooling (no schooling, up to primary school, secondary or above),

13. Mother's work status (not working, working),

14. Mother's autonomy (no autonomy, partial autonomy, full autonomy),

15. Mother's exposure to media (no exposure, some exposure), wealth status of the household (bottom one-third, middle one-third, top one-third),

16. Region of residence (mountain, hill, terai [low-lying land at the foot of the Himalayas])

17. Place of residence (urban, rural), sex of child, age of child, birth order of child (first, second or higher),

18. Size of child at birth (larger than average, average, smaller than average)

#### FOR WOMEN ANALYSIS

19. Woman's current age (15 to 24, 25 to 34, or 35 to 49 years),

20. Woman's schooling,

21. Woman's work status,

22. Woman's autonomy, (see below the details to construct them)

23. Woman's wealth index,

24. Woman's exposure to media,

25. Wealth status of the household,

26. Region of residence, and

27. Place of residence.

#### WOMEN AUTONOMY

28. Who usually decides how your (partner's/husband's) earnings will be used: you, your (partner/husband), or you and your (partner/husband) jointly?

29. Who usually makes decisions about healthcare for yourself: you, your (partner/husband), you and your (partner/husband) jointly, or someone else?

30. Who usually makes decisions about making major household purchases?

31. Who usually makes decisions about visits to your family or relatives?

Thanks in advance.

Best regards

Elsa Sima

## File Attachments

1) [Nepal\\_Food insecurity and children+women factors using DHS data.pdf](#), downloaded 310 times

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Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [Shireen-DHS](#) on Mon, 16 Aug 2021 14:38:46 GMT

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Hello,

For your analysis you would need to use the IR file for the women's analysis and KR file for the children's analysis. Note for stunting, wasting and underweight we use the PR file that includes all children in the household, however since your analysis involves variables related to the mother, you will need to use the KR file that has children of interviewed mothers. So instead of hc70 for instance which is the variable used to calculate stunting in the PR file you would use hw70.

Please check the Guide to DHS Statistics for the variables you need ([https://www.dhsprogram.com/Data/Guide-to-DHS-Statistics/index.htm#t=Guide\\_to\\_DHS\\_Statistics\\_DHS-7.htm](https://www.dhsprogram.com/Data/Guide-to-DHS-Statistics/index.htm#t=Guide_to_DHS_Statistics_DHS-7.htm)). This includes the definition and variable names. Also refer to our code library on GitHub which has code for each indicator listed in the guide to DHS statistics (<https://github.com/DHSProgram>). Please read the readme file and the main file for each chapter before using the code. For your analysis you should study the code in Chapter 11. You can also check the table do files to see how these are tabulated by some main variables many of which you have listed in your question. These resources will help you answer your questions.

Good luck with your research.

Best,

Shireen Assaf

The DHS Program

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Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [els.sima](#) on Tue, 17 Aug 2021 15:48:07 GMT

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Dear Shireen,

Thank you so much. It means a lot.

Temporarily, I skipped the children analysis and now I am being specific to the analysis related to women. In the women's file, I would like to ask if you can provide me the columns or indicator

responsible for the following two issues only.

1. Body mass index for currently married women.
2. Food insecurity level.

Following (Abhishek Singh et al, 2014), to construct the food insecurity level the following questions should be answered, if I can get the answers in a table format, I can calculate the food insecurity level.

A. In the past 12 months, how frequently did you worry that your household would not have enough food?

B. In the past 12 months, how often were you or any household member not able to eat the kinds of foods you preferred because of a lack of resources?

C. In the past 12 months, how often did you or any household member have to eat a limited variety of foods due to lack of resources?

D. In the past 12 months, how often did you or any household member have to eat a smaller meal than you felt you needed because there was not enough food?

E. In the past 12 months, how often did you or any household member eat fewer meals in a day because of lack of resources to get food?

F. In the past 12 months, how often was there no food to eat of any kind in your household because of lack of resources to get food?

G. In the past 12 months, how often did you or any household member go to sleep at night hungry because there was not enough food?

Can you extend your help, please? I wanted them in a table form so that I can directly go to analyze them.

Best

Elsa

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Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [Shireen-DHS](#) on Tue, 17 Aug 2021 16:25:07 GMT

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Hello,

Food insecurity questions were not asked in the Ethiopia survey as far as I can see.

For women's BMI, please read: [https://www.dhsprogram.com/Data/Guide-to-DHS-Statistics/index.htm#t=Nutritional\\_Status.htm%23Percentage\\_of\\_women\\_bybc-2&rtocid=\\_14\\_9\\_1](https://www.dhsprogram.com/Data/Guide-to-DHS-Statistics/index.htm#t=Nutritional_Status.htm%23Percentage_of_women_bybc-2&rtocid=_14_9_1)

The Stata code for women's BMI can be found here to match the final report:

[https://github.com/DHSProgram/DHS-Indicators-Stata/blob/master/Chap11\\_NT/NT\\_WM\\_NUT.do](https://github.com/DHSProgram/DHS-Indicators-Stata/blob/master/Chap11_NT/NT_WM_NUT.do)

There is also SPSS code if you are using SPSS and not Stata, this is the link to the SPSS code:

[https://github.com/DHSProgram/DHS-Indicators-SPSS/blob/master/Chap11\\_NT/NT\\_WM\\_NUT.sps](https://github.com/DHSProgram/DHS-Indicators-SPSS/blob/master/Chap11_NT/NT_WM_NUT.sps)

We cannot provide this data in table form. You would need to construct the variables yourself after

downloading the data files and running the provided code.

Please visit our data page to learn how to register and download the data you need:

<https://www.dhsprogram.com/data/Using-Datasets-for-Analysis.cfm>

Thank you.

Best,

Shireen Assaf

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Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [els.sima](#) on Sat, 21 Aug 2021 14:16:42 GMT

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Dear Shireen,

Thank you for the response.

1) Is there any chance to get the R-code for Chapter 11 indicators? The GitHub has only the Stata & SPSS.

2) Any chance to get aggregated data of the Ethiopian survey with the region and urban/rural variables?

Thank you

Best

Elsa

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Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [els.sima](#) on Sat, 21 Aug 2021 16:51:38 GMT

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Dear Shireen,

Following up the previous question, I have this specific request:

3) Subsequent with the DHS guideline at

[https://www.dhsprogram.com/Data/Guide-to-DHS-Statistics/index.htm#t=Nutritional\\_Status.htm%23Percentage\\_of\\_women\\_bybc-2&\\_rhtocid=\\_14\\_9\\_1](https://www.dhsprogram.com/Data/Guide-to-DHS-Statistics/index.htm#t=Nutritional_Status.htm%23Percentage_of_women_bybc-2&_rhtocid=_14_9_1)

in chapter 11: I am not able to retrieve the v445 in the IR file to construct Percentage of women by nutritional status. The variable (column) v445 is all NA and it's supposed to take the Body Mass Index (BMI) values of the women under the survey. Do you have any reflection on it?

Thanks much

Elsa

Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [Shireen-DHS](#) on Tue, 24 Aug 2021 13:22:16 GMT

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Dear Elsa,

If the variable is NA that means the data was not collected in that survey. You can check the final report for the survey to see what was covered in the survey.

We do not have R code for Chapter 11 yet.

Thank you.

Best,  
Shireen

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Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [els.sima](#) on Tue, 24 Aug 2021 14:45:26 GMT

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Dear Shireen,

Thank you for the response.

Is there any chance to get aggregated data for women's and children malnutrition in Ethiopia with the region and urban/rural variables?

Thank you

Best  
Elsa

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Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [Shireen-DHS](#) on Tue, 24 Aug 2021 17:16:26 GMT

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Hello,

I'm not sure I understood your question. Do you mean to tabulate the indicators by region or place of residence? This would give you the indicator estimate for each region.

Best,  
Shireen

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Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [els.sima](#) on Tue, 24 Aug 2021 21:54:52 GMT

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Hi Shireen,

Sorry for the misguided question. Yes, I wanted a tabulated data for the indicators by region or place of residence (Urban/Rural). Can I have it please? The indicator I'm looking for is "Nutritional status for women and children", the one stated in chapter 11 of the DHS guideline.

Thanks much

Best

Elsa

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Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [Shireen-DHS](#) on Wed, 25 Aug 2021 12:04:43 GMT

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Hello,

We do not provide tables on the forum but try to help users calculate indicators so they can perform their own analysis.

It also appears that nutritional status of women was not covered in the Ethiopia 2019 Mini DHS. Tabulations by region and place of residence would have been in the final report if information was collected. Please see the final report at:

[https://www.dhsprogram.com/publications/publication-fr363-dhs-final-reports.cfm?cssearch=351233\\_1](https://www.dhsprogram.com/publications/publication-fr363-dhs-final-reports.cfm?cssearch=351233_1)

You can find tabulations by children's nutrition indicators there (table 8.1) but not the women's.

Thank you.

Best,

Shireen

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Subject: Re: A study on Household Food Insecurity and Nutritional Status of Children and Women in Ethiopia

Posted by [els.sima](#) on Wed, 25 Aug 2021 15:14:29 GMT

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Dear Shireen,

Now it's very clear, thank you so much.

best  
Elsa

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