Subject: STATA code for food insecurity access scale(FIES), Anxiety(GAD-7) and Depression(PHQ-9)
Posted by Su Su Aung on Fri, 02 Feb 2024 13:37:14 GMT
View Forum Message <> Reply to Message

Dear Sir/Madam,

I am planning to do a master thesis for global health, a cross sectional analysis examining the association beteen food insecurity and mental distress (depression and anxiety) using Nepal DHS 2022 data. After I have read through DHS8 guidance manual for statsitiscs but I didnit find how to calculate food insecurity access scale, generalized anxiety disorder(GAD-7) scale for anxiety and patienft health questionnaire(PHQ-9) for depression. Could you please help me on that matters?

Sincerely,
Su Su

Subject: Re: STATA code for food insecurity access scale(FIES), Anxiety(GAD-7) and Depression(PHQ-9)
Posted by Bridgette-DHS on Mon, 05 Feb 2024 20:24:14 GMT
View Forum Message <> Reply to Message

Do any of these three indicators appear in the final report on the Nepal 2022 survey? If they do, please identify the tables that use them.

We cannot help with the construction of indicators that do not appear in a final report.

Subject: Re: STATA code for food insecurity access scale(FIES), Anxiety(GAD-7) and Depression(PHQ-9)
Posted by Su Su Aung on Sun, 11 Feb 2024 17:41:34 GMT
View Forum Message <> Reply to Message

Thank you for your reply.
Yes, these are included in Nepal final DHS report. According to guide to DHS 8 statistics, food insecurity experience scale should be calculated by using hfs1 to hfs8 but didn't mention clearly how to calculate.
In the 2022 NDHS , Table 2.16 shows that 13% of the de jure population experienced moderate or severe food insecurity in the 12 months preceding the survey, while 1% experienced severe food insecurity.
Could you please help me STATA code to calculate food insecurity categories?

Subject: Re: STATA code for food insecurity access scale(FIES), Anxiety(GAD-7) and Depression(PHQ-9)
Posted by Trevor-DHS on Wed, 14 Feb 2024 18:28:18 GMT
View Forum Message <> Reply to Message

The recode file includes the probabilities for each case in the variables hfs_mod and hfs_sev. These variables have 8 implied decimal places, so you need to divide by 10^8, but that would provide proportions. To produce percentages as in the report, you need to multiply by 100, so in practice the values are divided by 1000000. You can use these probabilities in means to calculate the percentage of de facto households members with a moderate or severe risk of food insecurity as follows:

use "NPPR82FL.DTA"
* 8 implied decimals for hfs_mod and hfs_sev, but less 2 decimals to make it a percentage rather than a proportion - 6 zeros needed below
gen mod = hfs_mod/1000000
gen sev = hfs_sev/1000000
gen wgt = hv005/1000000 // 6 implied decimals for weight
* means
mean mod [iw=wgt] if hv102 == 1
mean sev [iw=wgt] if hv102 == 1

This gives the following results:
. mean mod [iw=wgt] if hv102 == 1

Mean estimation   Number of obs = 54,144

             | Mean   Std. err.   [95% conf. interval]
-------------+--
        mod | 12.48814 .1177041   12.25744   12.71884

. mean sev [iw=wgt] if hv102 == 1

Mean estimation   Number of obs = 54,144

             | Mean   Std. err.   [95% conf. interval]
-------------+--
        sev | 1.332236 .0349331   1.263767   1.400705