Subject: How to link child health outcome with mothers' characteristics Posted by Asantie on Sat, 01 Oct 2022 18:26:28 GMT

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Hello,

I am using the 2019 Ethiopian Mini DHS data to assess factors predicting child health outcomes. So I would like to merge child characteristics based on household members (PR) file to the characteristics of the specific mothers of the children based on women record (IR). I now how to merge simply PR files and IR files based on the identifier variables in IR(v001, v002, v003)and PR(hv001 hv002 hvidx)files. But I do not know how to merge the under 5 child's health outcome with characteristics of his/her mother (like age and mother's bmi etc) in the same row. Remember that one mother may have more than one under 5 child. So how can I link the information of children to their specific mothers correctly using PR and IR files?

Subject: Re: How to link child health outcome with mothers' characteristics Posted by Bridgette-DHS on Mon, 03 Oct 2022 13:53:13 GMT View Forum Message <> Reply to Message

Following is a response from DHS staff member, Tom Pullum:

You just need to merge the mothers in the KR file with the women in the PR file. This could be a "m:1" merge or you can use an older version of the merge command, which I prefer. The following Stata code shows how to do it, and shows that the mother's PR data is repeated for each child.

cd e:\DHS\scratch

use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\ETPR81FL.DTA", clear keep if hv117==1 gen cluster=hv001 gen hh=hv002 gen mo_line=hvidx sort cluster hh mo_line save ETPR81temp.dta, replace

use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\ETKR81FL.DTA", clear gen cluster=v001 gen hh=v002 gen mo_line=v003 sort cluster hh mo_line merge cluster hh mo_line using ETPR81temp.dta

tab _merge

keep if _merge==3 save ETKRPR81FL.dta, replace

gen children_per_mother=1 collapse(sum) children_per_mother, by(cluster hh mo_line)

tab children

Subject: Re: How to link child health outcome with mothers' characteristics Posted by nyamukondiwamel@gmail.com on Tue, 09 Jan 2024 06:51:08 GMT View Forum Message <> Reply to Message

I am also trying to merge mother's information and children under 5 using stata for Tanzania 2022 DHS but i keep getting the following responses when i try to use the commands for merging data

master data not sorted

or

variables cluster hh mo_line do not uniquely identify observations in the master data

may you please help me.

Subject: Re: How to link child health outcome with mothers' characteristics Posted by nyamukondiwamel@gmail.com on Tue, 09 Jan 2024 16:26:20 GMT View Forum Message <> Reply to Message

I am trying to merge KR data for children under 5 with the household data HR as well as pregnant women/mothers IR data for Malaria research using Tanzania DHS data for 2023, may you kindly help me when I follow commands I get responses such as

File TZPR825L not found

Or

Invalid filelist:quotes do not match

Oı

Master data not sorted

Or variables cluster hh mo_line do not uniquely identify observations in the master data

Subject: Re: How to link child health outcome with mothers' characteristics Posted by Bridgette-DHS on Thu, 18 Jan 2024 18:43:20 GMT View Forum Message <> Reply to Message

Following is a response from Senior DHS staff member, Tom Pullum:

The following Stata lines will add the mother's data and the household-level data to the child's record. Let us know if you need something else.

* Merge the KR, IR, and HR files for the Tanzania 2022 survey

* specify workspace cd e:\DHS\DHS data\scratch

use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\TZHR82FL.DTA", clear

* Just keep household-level variables

drop *_*

gen cluster=hv001 gen hh=hv002 sort cluster hh save HRtemp.dta, replace

use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\TZIR82FL.DTA", clear gen cluster=v001 gen hh=v002 gen mo_line=v003 sort cluster hh mo_line save IRtemp.dta, replace

use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\TZKR82FL.DTA", clear gen cluster=v001 gen hh=v002 gen mo_line=v003

- * Merge the child with the mother's data
- * The KR file already includes many of the mother's variables; they will be over-written sort cluster hh mo_line quietly merge cluster hh mo_line using IRtemp.dta tab _merge keep if _merge==3 drop _merge
- * Merge the child and mother with the household data sort cluster hh quietly merge cluster hh using HRtemp.dta tab _merge keep if _merge==3 drop _merge

Subject: Re: How to link child health outcome with mothers' characteristics

Posted by nyamukondiwamel@gmail.com on Mon, 22 Jan 2024 12:54:56 GMT View Forum Message <> Reply to Message

Thank you for the response however i am still failing to merge it, i have attached the response i am getting below.

File Attachments

1) Tanzania merge error.jpg, downloaded 274 times

Subject: Re: How to link child health outcome with mothers' characteristics Posted by Bridgette-DHS on Mon, 22 Jan 2024 16:32:35 GMT View Forum Message <> Reply to Message

Following is a response from Senior DHS staff member, Tom Pullum:

You modified the two merge commands by inserting "1:1". You can replace "1:1" with "m:1" in both places or you can just omit "1:1" completely. The reason for replacing the first "1" with "m" would be that a mother can have more than 1 child in the past 5 years and a household can include more than 1 mother ("m" is an abbreviation for "many"). I had intentionally omitted that part of the merge command.