

Understanding Society User Support - Support #1975

Weights - Cross-sectional Analysis on LAD level

09/19/2023 10:55 AM - Caitlin Schmid

Status:	Resolved	Start date:	09/19/2023
Priority:	Normal	% Done:	100%
Assignee:	Olena Kaminska		
Category:	Data analysis		
Description			
Good morning,			
Using the main survey, I aim to run a cross-sectional analysis on a number of variables to analyse sex differences between adults and their variation across Local Authority Districts. To increase the sample sizes, I want to pool UKHLS Waves 11 and 12. Do I require tailored weights or can I proceed with the two provided cross-sectional adults weights of the respective waves (<code>_indinui_xw</code>)?			
Many thanks and best wishes,			
Caitlin			

History

#1 - 09/19/2023 11:54 AM - Understanding Society User Support Team

- Status changed from New to In Progress
- Assignee changed from Understanding Society User Support Team to Olena Kaminska
- % Done changed from 0 to 10
- Private changed from Yes to No

Many thanks for your enquiry. The Understanding Society team is looking into it and we will get back to you as soon as we can. We aim to respond to simple queries within 48 hours and more complex issues within 7 working days.

Best wishes,
Understanding Society User Support Team

#2 - 09/19/2023 12:03 PM - Olena Kaminska

Caitlin,

If you think about sex as a stable characteristic that does not change, then I am not sure that pooling is a right option for you. As technically you will have each person twice if you pool over 2 waves. If you take this into account correctly your effective sample size will be identical to the situation of using people only once. If you see that with pooled analysis your variance and CIs are smaller, then most likely you didn't take the data structure correctly into account. In other words you should have 0 gain in sample size from using 2 waves (if you correctly identify the data structure in your syntax).

This may change if you think that sex changes over time, especially if this change is substantial in a relatively large part of the population over 2 year period of time.

Hope this helps,
Olena

#3 - 10/06/2023 02:58 PM - Understanding Society User Support Team

- Status changed from In Progress to Feedback
- % Done changed from 10 to 80

#4 - 11/30/2023 02:09 PM - Understanding Society User Support Team

- Status changed from Feedback to Resolved
- % Done changed from 80 to 100