

## Understanding Society User Support - Support #1271

### Individual weights of those whose household questionnaires are not available

11/12/2019 02:43 PM - Louise Luo

|  |          |                    |            |
|--|----------|--------------------|------------|
| <b>Status:</b>   | Resolved | <b>Start date:</b> | 11/12/2019 |
| <b>Priority:</b>   | Normal   | <b>% Done:</b>     | 100%       |
| <b>Assignee:</b>   |          |                    |            |
| <b>Category:</b>   | Weights  |                    |            |
| <b>Description</b><br>Dear Officer,<br><br>According to my understanding, the individual weights take into account predicted household response probability. However, I find that the weights for those individuals whose household questionnaires (w_hhresp) are not available are not zero (e.g. people whose household ids are 1297691602 1362862802 1436119202 in wave 2). I am wondering how to model the household response probability when their household questionnaires are not available?<br><br>Best wishes,<br><br>Louise |          |                    |            |

#### History

##### #1 - 11/13/2019 01:19 PM - Stephanie Auty

- Category set to Weights
- Assignee set to Olena Kaminska
- Private changed from Yes to No

##### #2 - 11/13/2019 02:10 PM - Olena Kaminska

Louise,

I have checked for you and for the households id's that you mentioned we provided b\_psnenub\_xw b\_psnenus\_lw b\_psnenus\_xw weights, the other weights have correctly the value of 0 as these households originate from UKHLS EMB sample.

Could you clarify what you are trying to do? Is your research related to creating weights / looking into nonresponse; or are you studying a substantive topic?

Thank you,  
Olena

##### #3 - 11/13/2019 06:06 PM - Louise Luo

Hi Olena,

Thank you very much for your reply.

I am creating my own cross-sectional individual weights. I want to adopt the method similar to the one used to create b\_indpxus\_lw.

Correct me if I am wrong.

To create b\_psnenus\_lw, a\_psnenus\_xw is multiplied by an inverse probability. This inverse probability is predicted by logistic regression. The predictors are obtained from the household grid and household questionnaire. The household grid is in b\_indall and the household questionnaire is in b\_hhresp.

There are some households whose household questionnaires are not available (eg. b\_hhresp does not include those households whose household id is 1297691602, 1362862802 and 1436119202). In this case, how to estimate the regression for these individuals whose household questionnaires are unavailable?

Louise

##### #4 - 11/14/2019 10:14 AM - Olena Kaminska

Louise,

Thank you. For these households I imputed the missing predictor values.

Best of luck,  
Olena

**#5 - 11/15/2019 11:36 AM - Louise Luo**

Olena,

I see. Thank you very much.

Best wishes,

Louise

**#6 - 11/20/2019 02:56 PM - Stephanie Auty**

- *Status changed from New to Feedback*
- *Assignee changed from Olena Kaminska to Louise Luo*
- *% Done changed from 0 to 80*

**#7 - 08/15/2022 03:30 PM - Understanding Society User Support Team**

- *Status changed from Feedback to Resolved*
- *Assignee deleted (Louise Luo)*
- *% Done changed from 80 to 100*