

Understanding Society User Support - Support #180

Sports Club membership among Scottish adults

08/07/2013 11:59 AM - Chris Martin

Status:	Closed	Start date:	08/07/2013
Priority:	Normal	% Done:	100%
Assignee:			
Category:	Data inconsistency		

Description

Hi,

I have a query relating to the variable b_club, (sports club membership).

I am wanting to calculate two figures for Scotland only:

a) The %age of adults who have played a sports/exercise in last 12 months who are a member of a sports club,(ie the same definition as when question is asked and

b) the %age of all adults who are a member of a sports club (assuming rightly or wrong that those who have not done a sports/exercise in last year are NOT a member of a sports club).

I think I might be doing something wrong. (Output attached)

First, I exclude anyone outside Scotland and those who don't have a weight. This leaves me with 2,908 cases. (All figures unweighted for ease here).

Then, I exclude cases with only proxy info (these cases have no info on sports participation or membership questions) and the one case where all the relevant data is missing. This leave me with 2,682. I thought this should be my denominator, representative of all adults in Scotland.

However, see the table below (also row 247 in the attached output) of whether undertaken any sports in last year by sports club membership.

b_club	sports club member	Total
-9 -8 1 2		
sports_any2 Yes	0 654	0 3 657
No	345 0 471	1209 2025
Total	345 654 471	1212 2682

For sports club membership among adult population, the numerator would be the 471 who are sports club members (giving 18%: 471/2682*100). (Or 17% if I applied the appropriate weight.)

However, there are 345 cases where the sports club member question is missing even when they have done a sport in the last year and 3 cases where they have been asked the sports membership question even though they've not participated in any sport in the last year. Moreover, I don't think the 345 are a random sub-group, which makes me worry about the estimates.

I wonder if you could tell me how to deal with the 345 + 3 cases in terms of my estimates, or whether I'm making a more fundamental mistake.

Many thanks,
Chris

History

#1 - 08/21/2013 12:19 PM - Redmine Admin

- Category set to Data inconsistency
- Target version set to M2
- % Done changed from 0 to 50

Thanks for making us aware of this error. B_club should have been asked if the response to any of the sports questions was non-missing and the respective none-of-these option was not confirmed. The Blaise script erroneously had the latter clause for the first sports item pointing to the second sports item. The table below shows the combinations of the implemented variables. Anysports1 is 1 if any of the sports from the first show card was mentioned, anysports2 from the second show card, etc.

+-----+-----+-----+-----+-----+-----+-----+-----+-----+ +-----+-----+-----+-----+-----+-----+-----+-----+-----+								
ysports3	b_club_freq	b_sports196	b_sports296	b_sports396	b_indmode	anysports1	anysports2	anysports3
1.	missing 0 72	inapplicable	inapplicable	inapplicable	ftf	0	0	
2.	missing 0 326	inapplicable	inapplicable	inapplicable	telephone	0	0	
3.	missing 0 5789	not mentioned	mentioned	mentioned	ftf	1	0	
4.	inapplicable 0 13	missing	missing	missing	ftf	0	0	
5.	inapplicable 0 4	refused	refused	refused	ftf	0	0	
6.	inapplicable 0 16	don't know	don't know	don't know	ftf	0	0	
7.	inapplicable 0 2	don't know	don't know	mentioned	ftf	0	0	
8.	inapplicable 0 3	mentioned	refused	mentioned	ftf	0	0	
9.	inapplicable 0 88	mentioned	don't know	mentioned	ftf	0	0	
10.	inapplicable 0 13005	mentioned	mentioned	mentioned	ftf	0	0	
11.	proxy 0 3882	proxy	proxy	proxy	proxy	0	0	
12.	refused 0 1	not mentioned	refused	refused	ftf	1	0	
13.	yes 0 2	not mentioned	refused	mentioned	ftf	1	0	
14.	yes 1 10	not mentioned	don't know	not mentioned	ftf	1	0	
15.	yes 0 5	not mentioned	don't know	mentioned	ftf	1	0	
16.	yes 1 3831	not mentioned	not mentioned	not mentioned	ftf	1	1	
17.	yes 0 622	not mentioned	not mentioned	mentioned	ftf	1	1	
18.	yes 1 2918	not mentioned	mentioned	not mentioned	ftf	1	0	
19.	yes 1 2	mentioned	don't know	not mentioned	ftf	0	0	
20.	yes 0 1	mentioned	don't know	mentioned	ftf	0	0	
21.	yes 1 312	mentioned	not mentioned	not mentioned	ftf	0	1	
22.	yes 0 285	mentioned	not mentioned	mentioned	ftf	0	1	
23.	yes 1 342	mentioned	mentioned	not mentioned	ftf	0	0	
24.	no 1 2	don't know	mentioned	not mentioned	ftf	0	0	
25.	no 1 2	not mentioned	refused	not mentioned	ftf	1	0	
26.	no 0 2	not mentioned	refused	mentioned	ftf	1	0	
27.	no 0 1	not mentioned	don't know	don't know	ftf	1	0	
28.	no 1 20	not mentioned	don't know	not mentioned	ftf	1	0	
29.	no 0 18	not mentioned	don't know	mentioned	ftf	1	0	
30.	no	not mentioned	not mentioned	not mentioned	ftf	1	1	

	1	5756								
31.		0	1063		no	not mentioned	not mentioned	mentioned	ftf	1 1
32.		1	8805		no	not mentioned	mentioned	not mentioned	ftf	1 0
33.		1	2		no	mentioned	refused	not mentioned	ftf	0 0
34.		0	2		no	mentioned	refused	mentioned	ftf	0 0
35.		1	22		no	mentioned	don't know	not mentioned	ftf	0 0
36.		0	45		no	mentioned	don't know	mentioned	ftf	0 0
37.		1	920		no	mentioned	not mentioned	not mentioned	ftf	0 1
38.		0	689		no	mentioned	not mentioned	mentioned	ftf	0 1
39.		1	5717		no	mentioned	mentioned	not mentioned	ftf	0 0
+-----+										
-----+										

Line 3 is the routing error from above (n=5789).

Other oddities are:

Line 1: should have been applicable for this module (n=72)

Line 2: we haven't got any CATI data (telephone mode), although b_club should have been asked (n=326)

Line 12: b_club not asked, although asked with other combinations of a partial refusal (n=1)

#2 - 08/21/2013 01:24 PM - Chris Martin

Many thanks.

#3 - 08/21/2013 01:54 PM - Redmine Admin

- Status changed from New to Closed

- % Done changed from 50 to 100