Weighting Guidance for The People and Nature Survey datasets

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Document guidance

This document explains how to apply weights to the data from the People and Nature Survey (PANS). It is aimed at those who have downloaded the data and intend to run their own analysis.

Weights for the People and Nature Survey

Standard Weight

Most questions within survey modules 1,3,4,5 and 6 use 'Weight_Percent'. The weighted number of respondents with this weight is scaled to match the number of survey respondents.

Module Weights

There are different weights to use for questions in Module 2, Module 5 and some questions with Module 6. These were created due to the change in module allocation selection probabilities between April 2020 and May 2020.

Weights for grossing estimates to the adult population in England

There are some questions within Module 1 and Module 2 where weights are produced to gross up the number of respondents to match the adult population (16+) in England and provide monthly totals for number of visitors to different types of green and natural spaces, number of visits and total expenditure.

'Weight_Grossed_M1_Q2' produces an estimate of the total number of adults aged 16+ who have visited each type of green and natural space in the **past month** (in 000s).

'Weight_Grossed_No_Of_Visits' produces an estimate of the total number of visits to green and natural spaces in the **past month** (in 000s).

'Weight_Grossed_M2A_SUB_Q4B' produces an estimate of the total amount in £s (000s) spent on visits to green and natural spaces in the **past month**.

Cross tabulating

If you wish to cross tabulate between two fields in the dataset, then use the weight that is associated with the survey question (Table 1).

For example:

- If you want to look at M2A_Q2 versus Age then you would use 'Weight_Percent_M2A' as this is associated with the question you are interested in (M2A_Q2).

Table 1. People and Nature Survey questions alongside the appropriate weight to apply for cross tabulations to produce percent or gross estimates for adults in England.

Question	Weight to use for %	Weight to gross estimates to adult population (in 000s)	Additional information
Wave	Weight_Percent	n/a	
Module2Or3Or4Or5	Weight_Percent	n/a	
Region	Weight_Percent	n/a	
Age_Band	Weight_Percent	n/a	
Gender	Weight_Percent	n/a	
Qualification	Weight_Percent	n/a	
M1	Weight_Percent	n/a	
M1_Q1	Weight_Percent	n/a	
M1_Q2	Weight_Grossed_M1_Q2	Weight_Grossed_M1_Q2	This weight produces an estimate of the number of visits to each type of green and natural space in the past month (in 000s')
M1_Q3	Weight_Percent	n/a	
M1_Q4	Weight_Percent	n/a	
M1_Q5	Weight_Percent	n/a	

M1_Q6	Weight_Percent	n/a	
CV_Q1_1	Weight_Percent	n/a	
CV_Q2A	Weight_Percent	n/a	
CV_2B	Weight_Percent	n/a	
CV_Q3A	Weight_Percent	n/a	
CV_Q3B	Weight_Percent	n/a	
M2	Weight_Percent	n/a	
No_Of_Visits	Weight_Grossed_No_Of_Visits	Weight_Grossed_No_Of_Visits	This weight produces an estimate of the number of visits in the past month (in 000s')
Any_Visits_7	Weight_Percent	n/a	
Any_Visits_14	Weight_Percent	n/a	
M2A	Weight_Percent_M2A	n/a	
M2A_Q1	Weight_Percent_M2A	n/a	
M2A_Q2	Weight_Percent_M2A	n/a	
M2A_Q3	Weight_Percent_M2A	n/a	
M2A_Q5	Weight_Percent_M2A	n/a	

M2A_Q6	Weight_Percent_M2A	n/a	
M2A_Q7	Weight_Percent_M2A	n/a	
M2A_Q8A	Weight_Percent_M2A	n/a	
M2A_Q8B	Weight_Percent_M2A	n/a	
M2A_Q8C	Weight_Percent_M2A	n/a	
M2A_Q9	Weight_Percent_M2A	n/a	
M2A_SUB	Weight_Percent_M2A_SUB	n/a	
M2A_SUB_Q1	Weight_Percent_M2A_SUB	n/a	
M2A_SUB_Q2	Weight_Percent_M2A_SUB	n/a	
M2A_SUB_Q3	Weight_Percent_M2A_SUB	n/a	
M2A_SUB_Q4A	Weight_Percent_M2A_SUB	n/a	
M2A_SUB_Q4B	Weight_Grossed_M2A_SUB_Q4B	Weight_Grossed_M2A_SUB_Q4B	This weight produces an estimate of the total amount in £s (000s) spent on visits to green and natural spaces in the past month
M2A_SUB_Q5	Weight_Percent_M2A_SUB	n/a	
M2A_SUB_Q6	Weight_Percent_M2A_SUB	n/a	

M2A_SUB_Q7	Weight_Percent_M2A_SUB	n/a	
M2A_SUB_Q8	Weight_Percent_M2A_SUB	n/a	
M2B	Weight_Percent	n/a	
M2B_Q1	Weight_Percent	n/a	
M2B_Q2	Weight_Percent	n/a	
M2B_Q3	Weight_Percent	n/a	
M2B_Q4A	Weight_Percent	n/a	
M2B_Q4B	Weight_Percent	n/a	
M2B_Q5	Weight_Percent	n/a	
M2B_Q6	Weight_Percent	n/a	
M2B_Q7	Weight_Percent	n/a	
M3	Weight_Percent	n/a	
M3_Q1	Weight_Percent	n/a	
M3_Q2	Weight_Percent	n/a	
M3_Q3A	Weight_Percent	n/a	
M3_Q3B	Weight_Percent	n/a	

M3_Q3C	Weight_Percent	n/a	
M3_Q4	Weight_Percent	n/a	
M3_Q5	Weight_Percent	n/a	
M3_Q6	Weight_Percent	n/a	
M3_Q7A	Weight_Percent	n/a	
M3_Q7B_Old	Weight_Percent	n/a	
M3_Q7B	Weight_Percent	n/a	
M3_Q7C	Weight_Percent	n/a	
M3_Q8	Weight_Percent	n/a	
M3_Q9	Weight_Percent	n/a	
M4	Weight_Percent	n/a	
M4_Q1	Weight_Percent	n/a	
M4_Q2	Weight_Percent	n/a	
M4_Q3	Weight_Percent	n/a	
M4_Q4	Weight_Percent	n/a	
M4_Q5	Weight_Percent	n/a	

M4_Q6	Weight_Percent	n/a	
M4_Q7	Weight_Percent	n/a	
M4_Q8	Weight_Percent	n/a	
M4_Q9	Weight_Percent	n/a	
M4_Q10A	Weight_Percent	n/a	
M4_Q10B	Weight_Percent	n/a	
M4_Q11	Weight_Percent	n/a	
M4_Q12	Weight_Percent	n/a	
M4_Q13A	Weight_Percent	n/a	
M4_Q13B	Weight_Percent	n/a	
M4_Q14	Weight_Percent	n/a	
M4_Q15	Weight_Percent	n/a	
M4_Q16	Weight_Percent	n/a	
M4_Q17	Weight_Percent	n/a	
M5	Weight_Percent_M5	n/a	
M5_Q1A	Weight_Percent_M5	n/a	

M5_Q1B_Old	Weight_Percent_M5	n/a	
M5_Q1B	Weight_Percent_M5	n/a	
M5_Q1C	Weight_Percent_M5	n/a	
M5_Q1D	Weight_Percent_M5	n/a	
M5_Q1E	Weight_Percent_M5	n/a	
M5_Q1F	Weight_Percent_M5	n/a	
M5_Q2	Weight_Percent_M5	n/a	
M5_Q3	Weight_Percent_M5	n/a	
M6	Weight_Percent	n/a	
Marital_Status	Weight_Percent	n/a	
No_Of_Children	Weight_Percent	n/a	
Work_Status	Weight_Percent	n/a	
Student_Work_Status	Weight_Percent	n/a	
Income	Weight_Percent	n/a	
Ethnicity_Consent	Weight_Percent	n/a	
Ethnicity	Weight_Percent	n/a	

Ethnicity_Detailed	Weight_Percent	n/a	
No_Of_Vehicles	Weight_Percent	n/a	
Dog	Weight_Percent	n/a	
Illnesses	Weight_Percent	n/a	
Illnesses_Detail_TEMP	Weight_Percent	n/a	
Illnesses_Impact	Weight_Percent	n/a	
General_Health	Weight_Percent	n/a	
Activity	Weight_Percent	n/a	
Home_Rural_Urban_Asked	Weight_Percent	n/a	
M6B	Weight_Percent_M6B	n/a	
Wellbeing_lonely	Weight_Percent_M6B	n/a	
Wellbeing_satisifed	Weight_Percent_M6B	n/a	
Wellbeing_worthwhile	Weight_Percent_M6B	n/a	
Wellbeing_happy	Weight_Percent_M6B	n/a	
Wellbeing_worried	Weight_Percent_M6B	n/a	
Wellbeing_anxious	Weight_Percent_M6B	n/a	