



## How To Create a Variable that Counts Responses To Multiple Questions

### Problem

You have one or more **Multiple Response – Binary** questions and you wish to count the number of responses respondents have given. For example, imagine to that your questionnaire contained:

<b>Q2</b>	Who is your <b>savings</b> account with?	
	<b>MULTIPLE RESPONSE</b>	
	ANZ.....	1
	Commonwealth Bank.....	2
	NAB.....	3
	St George.....	4
	Westpac.....	5
<b>Q3</b>	Who is your <b>checking</b> account with?	
	<b>MULTIPLE RESPONSE</b>	
	ANZ.....	1
	Commonwealth Bank.....	2
	NAB.....	3
	St George.....	4
	Westpac.....	5
<b>Q4</b>	Who is your <b>home loan</b> with?	
	<b>MULTIPLE RESPONSE</b>	
	ANZ.....	1
	Commonwealth Bank.....	2
	NAB.....	3
	St George.....	4
	Westpac.....	5

and you wished to create variables showing the number of products held with each of the banks.

### Steps to solve

1. In the **Variables and Questions** tab, select the variables that you wish to count. They need to be in *binary variables* – that is, variables where respondents have values of either 0, 1 or NaN. In the example above, we might start by selecting the three variables corresponding with ANZ.
2. Right-click, select **Insert Ready-Made Formula(s), Mathematical Functions (by case)** and then **Count....**
3. Select **Single Value**.
4. Enter a value of 1 in the box. (This is the value of selected options in **Multiple Response – Binary** questions.)
5. Press **OK**.
6. Find the newly constructed variable. It will appear immediately underneath the last variable that you had selected.
7. Move the newly constructed variable so that it is not in the middle of any other questions.
8. Right-click on the newly constructed variable, select **Insert Ready-Made Formula(s), and Use as a Template for Replication....**

9. Review the information shown and check that it the right things are lined up. (If they are not, it is because you have inconsistent orderings in your variables.)
10. Press **OK**.

#### Additional reading

Terms shown in italics and bold can be found in the index of the *Q Reference Manual*, the *Quick Start Manual* and via the **Help** menu within Q.

#### What to do if the problem is not solved

If these instructions are insufficient, please email us (**Help | Email Support...**) with a detailed description of what in the instructions is not working for you and we will either provide you with more comprehensive instructions, or, upon your request, we can do the analysis for you in your file (fees apply) .