



Setting Multiple Response Questions

Tutorial

Time: 15 minutes
Skill level: Medium
Editions: Professional

Learning objectives

- ⇒ Grouping several variables as a *multiple response* question
- ⇒ Understanding the difference between different types of *multiple response* questions
- ⇒ Changing one type of multiple response question to another.

Activities

1. From the **File** menu select **Import New Data File (New Project)...** and select `Phone.sav`, which will be in `c:\Program Files\Q\Examples` (unless Q has been installed in a different location on your computer).
2. Click **No** when asked if Q should automatically set up the file (ordinarily, one should select **Yes**).
3. Click on the **Variables and Questions** tab (bottom left).
4. Select rows 7 to 17.
5. Right-click and select **Set Question...** Note that Q has made an educated guess about the name of the question and the appropriate **Question Type**, both of which can be changed by the user.
6. Press **OK**. Note that for these rows (7 to 17) only the first row of the **Question** column is in bold; the rest are in grey, indicating that they are all the part of the same question. The **Status** column will be marked as **Check**, in yellow, which is Q's way of informing you that it has made some assumptions about which values should be counted (e.g., to count the 1s). These assumptions can be checked by clicking the down-arrow to the right of the word **Check**, or by clicking the **Values** button (...), and reviewing the selections in **Count This Value**.
7. Double-click on one of the row numbers of the newly created question and you will see a summary table of the newly created multiple response question (Q refers to such questions as being **Multiple Response – Binary**).
8. Go back to the **Variables and Questions** tab.
9. In the **Find** box at the top of the screen enter `q23`, which causes Q to scroll down to the first row containing this search term.
10. Select rows 207 to 231.


11. Right-click and select **Set Question...**. A message will appear, warning that the variables are fundamentally different (the reason for this is explained below).
12. Click **Yes** and change the question name to `Attitudes`. Note that this time Q has determined that the **Question Type** is **Multiple Response – Categorical**.
13. Press **OK** and click on any one of the **Values** buttons (in rows 207 to 231), clicking **Yes** when again warned the variables are "fundamentally different". Your screen should now look like Figure 1.
14. Figure 1 reveals that the data is 'messy', with values of 6 and 22 being included without any labels (it was this that prompted the earlier warnings). Check as **Missing Data** each of 6, DON'T KNOW and 22 and press **OK**.


Value Attributes for 25 Variables: q23y, q23x, q23w, q23v, q23u, q23t, q23s, q23r, q23q, q23p, q23o, q23n, q23m, q23l, q23k, q23j, q23i, q23h.

	Value	Label	Missing Data
1		Missing data	<input checked="" type="checkbox"/>
2	1	Strongly agree	<input type="checkbox"/>
3	2	Agree a little	<input type="checkbox"/>
4	3	Neither	<input type="checkbox"/>
5	4	Disagree a little	<input type="checkbox"/>
6	5	Strongly disagree	<input type="checkbox"/>
7	6	6	<input type="checkbox"/>
8	9	DON'T KNOW	<input type="checkbox"/>
9	22	22	<input type="checkbox"/>

Show weights
 Show source values and labels

Figure 1. Value Attributes dialog box

15. Double-click on one of the row numbers of the newly created question to see a summary of the question in the **Tables** tab.
16. Right-click on any of the row or column headings and select **Duplicate Question**, which makes a copy of the question.
17. Press **OK** to continue on using the name Q has selected for this question.
18. Press the  button to the right of the blue drop-down menu. This automatically takes you to the **Variables and Questions** tab and selects the question being viewed.
19. Rename the question by entering `Attitudes – Top 2 boxes` into any of the cells in the **Question** column.
20. In the **Question Type** column change **Multiple Response – Categorical** to **Multiple Response – Binary**.
21. Click on the **Values** button, select **Yes** twice and ensure that the only categories

- checked as **Count This Value** are Strongly agree and Agree a little.
22. Press **OK** and click on the **Tables** tab to review the question. The table is now showing the *top 2 box* percentages.
 23. Press the  button to the right of the blue drop-down menu.
 24. Rename the question by entering Attitudes - Out of 100 into any of the cells in the **Question** column.
 25. In the Question Type column change to **Multiple Response – Numeric**.
 26. Click on the **Values** button and click **Yes**.
 27. Change the **Value** field so that from Strongly agree through to Strongly disagree they have values of 100, 50, 0, -50, and -100.
 28. Click **OK**
 29. Double-click on the row numbers to view the resulting table on the **Tables** tab. Note that the table is now showing averages.