



How To Create a Single Response – Categorical question using Excel-Style Formulas

Problem

A new **Single Response – Categorical** question needs to be created using other questions as inputs. This example, from [Tutorial 1.Q](#), shows how to create a new question with the following categories:

Not aware of Telstra	Q5 is not Telstra (6) AND Q5_6 is not Yes AND Q6_6 is not Yes
Does not like Telstra and is not a customer	q20q6 is No (0) AND q7 is not Telstra (6)
Likes Telstra and is not a customer	q20q6 is Yes (1) AND q7 is not Telstra (6)
Is a Telstra customer	q7 is Telstra (6)

Steps to solve

1. In the **Data** tab, right-click and select **Insert Variable(s), Excel-Style Formula** and **Numeric**.
2. Write the formula as: `=IF (AND (q5<>6, Q5_6=0, Q6_6=0), 1, if (q7=6, 4, if (q20q6=0, 2, 3)))`
Please note that:
 - Q is case sensitive (i.e., capitalization needs to be correct).
 - You can click on a variable to include it in the formula or you can write the variable's name.
 - Often the best order for nested IF statements is not the final order that is required (e.g., note the treatment of Q7).
3. Press OK.
4. Right-click on the variable, select **Rename Variable...** and name it `telstraConversion`.
5. Double-click on the row heading to go to the Variables and Questions tab.
6. Change the **Label** to `Telstra Conversion` and the **Question Type** to **Single Response – Categorical**.
7. Press the **Values** button (...), fill in the **Label** column (from the table above) and press **OK**.

Additional reading

How To Create a Single Response- Categorical Question using JavaScript Formulas

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).