



How To Create a Single Response – Categorical question using JavaScript 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 **Variables and Questions** tab, right-click and select **Insert Variable(s), JavaScript Formula** and **Numeric**.
2. Fill in the fields in the box as follows:
 - a. **Name:** telstraConversion
 - b. **Label:** Telstra Conversion
 - c. **Expression:**

```
if(q5!=6 && Q5_6 ==0 && Q6_6==0) 1;  
else if (q7==6) 4;  
else if (q20q6==0) 2;  
else 3;
```Please note that:
 - Q is case sensitive (i.e., capitalization needs to be correct).
 - You can select variables from the list above by double-clicking on them.
 - The variable is previewed below.
3. Press OK.
4. Change the **Question Type** to **Single Response – Categorical**.
5. Press the **Values** button (...), fill in the **Label** column (from the table above) and press **OK**.

Additional reading

How To Create Single Response- Categorical Response Question using Excel-Style Formula.

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) .