



How To Apply Multiple Weights to a Table

Problem

There is a need to simultaneously apply multiple weights to a table. For example, you may wish to weight a table to the Australia population *and* to also weight the same table volumetrically to reflect differing purchasing frequencies.

Steps to solve

1. Either import a data file containing the weight variables, or, construct the weight variables directly in Q (refer to **Help** and **Q Tutorials** for more information about this), or do a combination of the two.
2. In the **Variables and Questions** tab, right-click anywhere and select **Insert Variable(s)** and **JavaScript Formula** and **Numeric...**
3. Fill out the dialog box as follows:
 - a. **Name:** `combinedWeight`.
 - b. **Label:** `Combined Weight`
 - c. **Expression:** `weight1*weight2*weight3`

Modify each of the fields in the dialog box as you require (e.g., provide a different name, label or expression). For example, if you are wanting to combine two weights, `ageWeight` and `volumeWeight` you might have a **Label** of `Age and Volume` and an **Expression** of `ageWeight*volumeWeight`

4. Press **OK**.
5. Click on the pale yellow **w** (so it looks like **w**), making the new variable available as a weight.
6. In the **Tables** tab, apply the weight: **Combined Weight**. While the *n* at the bottom of the screen will still be as for the unweighted data, you can see the effect of the weighting on the population size by selecting **Base Population** in **Statistics – Cells**.

Please note: when respondents vary substantially in terms of the weights that are applied to their data, this will cause the *effective sample size* to be relatively small, which may mean few findings are statistically significant.

Additional reading

How to Apply Different Weights to Different Tables; How to Apply a Weight Created by Another Program; How to conduct Target Weighting With Several Variables; How To Conduct Proportional Weighting with Several Variables.

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) .