QGIS Application - Bug report #19099
Data defined Size legend is wrong when using separated symbols

2018-06-02 05:34 PM - Harrissou Santanna

Status:	Open			
Priority:	High			
Assignee:				
Category:	Map Legend			
Affected QGIS version:	3.4.1		**Regression?:**	Yes
Operating System:			**Easy fix?:**	No
Pull Request or Patch supplied:	No		**Resolution:**	
Crashes QGIS or corrupts data:	No		**Copied to github as #:**	26929

Description

The data-defined size symbols feature has a set of unhandled issues i reported months ago (see list) but i think this one is a really broken feature that can lead to wrong information on maps.

Apply a scaled size to a point layer
At the bottom of the properties, choose to enable the data defined Size Legend
In the new dialog, choose "separated legend items", do the other settings and apply.
Most of the times, the symbols won't scale in the preview frame nor in the layers panel but the size displayed in the layers panel, hence in the layout legend, is really wrong. Really bigger than what's displayed in the map canvas.
If you switch to the "collapsed size symbols", you'll notice the difference of size and that sizes are coherent now.

History

#1 - 2018-09-15 05:43 PM - Jürgen Fischer

- Description updated

#2 - 2018-10-12 06:48 PM - Alexandre Neto

I have also noticed this problem. From some testing, seems that the symbols size in the legend is using the actual values on the data, and not the scaled values provided by the expression, for example.

    coalesce(scale_exp("capacity", 0, 2717, 1, 10, 0.57), 0).

#3 - 2018-10-15 09:59 PM - Giovanni Manghi

- Affected QGIS version changed from 3.1(master) to 3.3(master)

#4 - 2018-10-15 11:13 PM - Alexandre Neto

@gioman, can we consider this a regression. I mean, this used to work just fine before this several options to represent the legend were implemented.

#5 - 2018-10-15 11:14 PM - Giovanni Manghi

- Priority changed from Normal to High

- Regression? changed from No to Yes

#6 - 2018-10-21 09:55 AM - Martina Savarese

- File Multivariate analisys.pdf added

Think some of the other issues Harrissou linked are related to this problem. Attached file is a scheme of some test I have made, hope it can be some usefull

#7 - 2018-11-07 06:17 PM - Florent Monkerhey

I confirm that this problem is still present on QGis 4.3.1

#8 - 2018-11-07 06:17 PM - Giovanni Manghi

- Affected QGIS version changed from 3.3(master) to 3.4.1

Files

| Multivariate analisys.pdf | 901 KB | 2018-10-21 | Martina Savarese |