

## QGIS Application - Bug report #6625

### Classes in Natural Braeks (Jenks) Symbology

2012-11-05 08:11 AM - Diego Mo

<b>Status:</b>	Closed	
<b>Priority:</b>	Low	
<b>Assignee:</b>		
<b>Category:</b>	Symbology	
<b>Affected QGIS version:</b>	1.8.0	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 15809
<b>Description</b>		
<p>Symbology of a vector layer (shapefile in the test case)--&gt; Graduated Renderer --&gt; Natural Breaks (Jenks) mode.</p> <p>It seems that Quantum GIS (version 1.8 on WIN XP, using new simbology) propose different intervals (using the same column and number of classes) each time you classify features.</p>		

#### History

##### #1 - 2013-02-22 08:22 AM - Regis Haubourg

Yes, confirmed here, and it looks like a  $n / n-1$  array bounds error.

Needs to be confirmed again in 1.9 when classification regression will be solved (#7191)

##### #2 - 2013-03-04 07:08 PM - Nyall Dawson

I can't replicate this in current master -- do you have a test dataset which shows the issue?

##### #3 - 2013-03-05 03:59 AM - Diego Mo

As test case you can use toponomastica\_10000\_geo.shp (field ROTAZIONE) that you can download from

[http://www.comune.torino.it/geoportale/dati/carta\\_sintesi\\_shp.zip](http://www.comune.torino.it/geoportale/dati/carta_sintesi_shp.zip)

The publication page is [http://www.comune.torino.it/geoportale/ser\\_professionali\\_2.htm](http://www.comune.torino.it/geoportale/ser_professionali_2.htm)

The problem seems to happen both in Qgis 1.8 and Master(release 2a4d79d)

##### #4 - 2013-03-05 01:46 PM - Nyall Dawson

Actually after looking into it this is the intended behaviour -- in order to speed up the calculation the natural breaks classifier takes a random sample from a layer which has a large number of rows (> 1000 rows). When a layer has more than 1000 rows, a random sample of either 1000 values or 10% of the dataset (whichever is larger) is used to calculate the breaks.

##### #5 - 2013-03-11 01:27 PM - Nyall Dawson

- Status changed from Open to Closed