QGIS Application - Bug report #14090
Frequency Analysis tool contains errors in code

2016-01-12 05:14 AM - Joseph Liam

Status:	Closed		
Priority:	Normal		
Assignee:	Victor Olaya		
Category:	Processing/Core		
Affected QGIS version:	2.12.0	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	22098

Description

In the latest versions of the Processing plugin (from 2.10 onwards), there are minor errors in the code. The following code should probably be used to replace the existing code:

```
##Table=group
##Input=vector
##Fields=Field Input
##Frequency=output table

from processing.tools.vector import TableWriter
from collections import defaultdict
from processing.core.GeoAlgorithmExecutionException import GeoAlgorithmExecutionException

layer = processing.getObject(Input)    # Changed '(input)' to '(Input)'
inputFields = layer.pendingFields()
fieldIdxs = []
fields = Fields.split(',')    # Changed 'fields.split' to 'Fields.split'
for f in fields:
    idx = inputFields.indexFromName(f)
    if idx == -1:
        raise GeoAlgorithmExecutionException('Field not found:' + f)
    fieldIdxs.append(idx)
writer = TableWriter(Frequency, None, fields + ['FREQ'])    # Changed 'output' to 'Frequency'

counts = {}
feats = processing.features(layer)
nFeats = len(feats)
counts = defaultdict(int)
for i, feat in enumerate(feats):
    progress.setPercentage(int(100 * i / nFeats))
    attrs = feat.attributes()
    clazz = tuple([attrs[i] for i in fieldIdxs])
    print clazz
    counts[clazz] += 1

for c in counts:
    writer.addRecord(list(c) + [counts[c]])
```

This was reported from the GIS:Stack Exchange forum (

http://gis.stackexchange.com/questions/171002/proper-use-of-qgis-tool-frequency-analysis)

Associated revisions

Revision 7a879994 - 2016-01-13 09:55 AM - Victor Olaya

[processing] fixed frequency analysis algorithm

code provided by Joseph Liam

fixes #14090

History

#1 - 2016-01-12 05:32 AM - Jürgen Fischer

- File diff added

#2 - 2016-01-13 12:55 AM - Victor Olaya

- Status changed from Open to Closed

Fixed in changeset commit:"7a879994d49ecbfeae406fce566015cab172b4d9".

Files

diff	1.11 KB	2016-01-12	Jürgen Fischer