

## QGIS Application - Bug report #18263

### Interpolation algorithms not running in Graphical Modeler in QGIS 3.0

2018-02-28 10:44 AM - Nimrod Gavish

<b>Status:</b>	Closed	
<b>Priority:</b>	High	
<b>Assignee:</b>	Nyall Dawson	
<b>Category:</b>	Processing/Modeller	
<b>Affected QGIS version:</b>	3.0.0	<b>Regression?:</b> Yes
<b>Operating System:</b>	Windows 10 Pro	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 26154
<b>Description</b>		
<p>I am not able to use several interpolation algorithms within the QGIS 3.0 graphical modeler, namely the 'Heatmap (Kernel Density)' and 'IDW interpolation'. The algorithms work fine via the GUI (selecting the tool in the Processing Toolbox and running in interface), but via the modeler this error is received for the <b>IDW</b>:</p> <p>Processing algorithm...</p> <p>AlgorithmDialog</p> <p>Input parameters:{ 'input' : 'Point?crs=EPSG:3857&amp;field=id:long(10)&amp;field=RoofType:string(80)&amp;field=RoofMaterl:string(80)&amp;field=HousingTyp:string(80)&amp;field=HousingSta:string(80)&amp;field=VillageNam:string(80)&amp;field=Date:date(10)&amp;field=value_conn:long(10,2)&amp;uid={3ce7936f-348e-4887-be97-949f527b61f527b617b}', 'qgis:idwinterpolation_1:IDW' : 'C:/Users/ngavish/AppData/Local/Temp/processing_5239e21723384888b94e31a6882df374/ab5c6cfa43e9401dadb7baf38f220b0c/qgis:idwinterpolation_1:IDW.tif' }</p> <p>Prepare algorithm: qgis:idwinterpolation_1</p> <p>Running IDW interpolation [1/1]</p> <p>Input Parameters:{ COLUMNS: 300, DISTANCE_COEFFICIENT: 2, EXTENT: 'Point?crs=EPSG:3857&amp;field=id:long(10)&amp;field=RoofType:string(80)&amp;field=RoofMaterl:string(80)&amp;field=HousingTyp:string(80)&amp;field=HousingSta:string(80)&amp;field=VillageNam:string(80)&amp;field=Date:date(10)&amp;field=value_conn:long(10,2)&amp;uid={3ce7936f-348e-4887-be97-949f527b61f527b617b}', INTERPOLATION_DATA: 'Point?crs=EPSG:3857&amp;field=id:long(10)&amp;field=RoofType:string(80)&amp;field=RoofMaterl:string(80)&amp;field=HousingTyp:string(80)&amp;field=HousingSta:string(80)&amp;field=VillageNam:string(80)&amp;field=Date:date(10)&amp;field=value_conn:long(10,2)&amp;uid={5b349815-c131-40b8-a51d-b5e6de23a62e3a62e3a62e},0,7,0', OUTPUT: 'C:/Users/ngavish/AppData/Local/Temp/processing_5239e21723384888b94e31a6882df374/ab5c6cfa43e9401dadb7baf38f220b0c/qgis:idwinterpolation_1:IDW.tif', ROWS: 300 }</p> <p>Traceback (most recent call last): File "C:/PROGRA~1/QGIS3~1.0/apps/qgis/./python/plugins\processing\algs\qgis\ldw\Interpolation.py", line 155, in processAlgorithm data.valueSource = int(v<sup>1</sup>) ValueError: invalid literal for int() with base 10: '2)&amp;uid={5b349815-c131-40b8-a51d-b5e6de23a62e}'</p> <p>Error encountered while running IDW interpolation</p> <p>Error encountered while running IDW interpolation</p> <p>Execution failed after 0.15 seconds</p> <p>Loading resulting layers</p> <p>The following layers were not correctly generated. C:/Users/ngavish/AppData/Local/Temp/processing_5239e21723384888b94e31a6882df374/ab5c6cfa43e9401dadb7baf38f220b0c/qgis:idwinterpolation_1:IDW.tif</p> <p>You can check the 'Log Messages Panel' in QGIS main window to find more information about the execution of the algorithm.</p>		

#### And for the heatmap:

Running Heatmap (Kernel Density Estimation) [1/1]

Input Parameters:{ DECAY: 0, INPUT:

'Point?crs=EPSG:3857&field=id:long(10)&field=RoofType:string(80)&field=RoofMaterl:string(80)&field=HousingTyp:string(80)&field=HousingSta:usingSta:string(80)&field=VillageNam:string(80)&field=Date:date(10)&field=value\_conn:long(10,2)&uid={3ce7936f-348e-4887-be97-949f527b61f527b617b}', KERNEL: 0, OUTPUT:

'C:/Users/ngavish/AppData/Local/Temp/processing\_5239e21723384888b94e31a6882df374/fe9c6dae3080487388d86bf5cbd13f96/qgisheatmapkerneldensityestimation\_1:Output.tif', OUTPUT\_VALUE: 0, PIXEL\_SIZE: 0.1, RADIUS: 30, RADIUS\_FIELD: "", WEIGHT\_FIELD: "" }

Traceback (most recent call last): File "C:/PROGRA~1/QGIS3~1.0/apps/qgis/.python/plugins\processing\algs\qgis\Heatmap.py", line 213, in processAlgorithm self.tr('Could not create destination layer')) \_core.QgsProcessingException: Could not create destination layer

Error encountered while running Heatmap (Kernel Density Estimation)

Error encountered while running Heatmap (Kernel Density Estimation)

Execution failed after 0.13 seconds

Loading resulting layers

The following layers were not correctly generated.

C:/Users/ngavish/AppData/Local/Temp/processing\_5239e21723384888b94e31a6882df374/fe9c6dae3080487388d86bf5cbd13f96/qgis:heatmapkerneldensityestimation\_1:Output.tif

You can check the 'Log Messages Panel' in QGIS main window to find more information about the execution of the algorithm.

#### And here is the error log:

2018-02-28T10:30:41 CRITICAL Error encountered while running Heatmap (Kernel Density Estimation)

2018-02-28T10:31:43 CRITICAL Traceback (most recent call last):

File "C:/PROGRA~1/QGIS3~1.0/apps/qgis/.python/plugins\processing\algs\qgis\Heatmap.py", line 213, in processAlgorithm  
self.tr('Could not create destination layer'))

\_core.QgsProcessingException: Could not create destination layer

2018-02-28T10:34:54 CRITICAL Error encountered while running IDW interpolation

2018-02-28T10:41:24 CRITICAL Traceback (most recent call last):

File "C:/PROGRA~1/QGIS3~1.0/apps/qgis/.python/plugins\processing\algs\qgis\Heatmap.py", line 213, in processAlgorithm  
self.tr('Could not create destination layer'))

\_core.QgsProcessingException: Could not create destination layer

#### Associated revisions

##### Revision 84cdd609 - 2018-03-05 02:06 AM - Nyall Dawson

[processing] Fix invalid filenames are used for temporary files  
during models

Fixes #18263

##### Revision fe6e9673 - 2018-03-06 02:20 AM - Nyall Dawson

[processing] Fix invalid filenames are used for temporary files  
during models

(cherry-picked from 84cdd6)

History

---

#1 - 2018-02-28 10:47 AM - Giovanni Manghi

- Regression? changed from No to Yes
- Priority changed from Normal to High

#2 - 2018-03-03 01:55 AM - Nyal Dawson

- Assignee changed from Victor Olaya to Nyal Dawson
- Status changed from Open to In Progress

#3 - 2018-03-05 02:06 AM - Nyal Dawson

- % Done changed from 0 to 100
- Status changed from In Progress to Closed

Applied in changeset commit:qgis|84cdd609abcbc925a7a177a7fd2bb43059c55c13.

#4 - 2018-03-06 11:55 AM - Giovanni Manghi

- Resolution set to fixed/implemented