

## QGIS Application - Feature request #18172

### Define area in Nearest Neighbor analysis

2018-02-21 11:04 PM - Matt McLean

<b>Status:</b> Open	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Analysis library	
<b>Pull Request or Patch Supplied:</b>	<b>Resolution:</b>
<b>Easy fix?:</b> No	<b>Copied to github as #:</b> 26063
<b>Description</b>	
<p>When using the Nearest neighbor analysis (Menu bar &gt;&gt;&gt; Vector &gt;&gt;&gt; Analysis &gt;&gt;&gt; Nearest Neighbor Analysis) the current implementation does the area calculations based on the extent of the input layer (<a href="https://github.com/qgis/QGIS/blob/835cca7cae3a8bc4cdf881ec7be374eaf390f6f/python/plugins/processing/algs/qgis/NearestNeighborAnalysis.py#L105-L106">https://github.com/qgis/QGIS/blob/835cca7cae3a8bc4cdf881ec7be374eaf390f6f/python/plugins/processing/algs/qgis/NearestNeighborAnalysis.py#L105-L106</a>) It would be useful to have the option of manually setting the area for the purpose of being able to compare z-scores for study areas of a fixed size. This is a feature that currently exists in ArcGIS (<a href="http://pro.arcgis.com/en/pro-app/tool-reference/spatial-statistics/h-how-average-nearest-neighbor-distance-spatial-st.htm">http://pro.arcgis.com/en/pro-app/tool-reference/spatial-statistics/h-how-average-nearest-neighbor-distance-spatial-st.htm</a>) however I would prefer to stay in an Open Source work-flow.</p>	