QGIS Application - Feature request #18172
Define area in Nearest Neighbor analysis

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

Status:	Open		
Priority:	Normal		
Assignee:			
Category:	Analysis library		
Pull Request or Patch supplied:	No	**Resolution:**	
Easy fix?:	No	**Copied to github as #:**	26063

Description

When using the Nearest neighbor analysis (Menu bar >>> Vector >>> Analysis >>> Nearest Neighbor Analysis) the current implementation does the area calculations based on the extent of the input layer (
https://github.com/qgis/QGIS/blob/835cca7cae3a8bc4cdff881ec7be374eaf390f6f/python/plugins/processing/algs/qgis/NearestNeighborAnalysis.py#L105-L106) 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 (
http://pro.arcgis.com/en/pro-app/tool-reference/spatial-statistics/h-how-average-nearest-neighbor-distance-spatial-st.htm) however I would prefer to stay in an Open Source work-flow.