This QGIS Plugin implements several of the PySAL features through a PyQT4 GUI. In expectation of a complete PySAL plugin with many options, the plugin was attached to the QGIS MenuBar to make its methods more accessible to users. The PySAL tree diagram was used to organize our Plugin. Each branch was given a Submenu and each node became an action (Figure 1). Thus figure one shows the highlighted path in the figure 2.

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| Figure 1: QGIS Plugin Design | Figure 2: PySAL Tree Diagram |

The plugin can read saved shapefiles and implement any PySAL method with them and save the outputs to a user-specified file. The plugin also loads the current layer files into a drop-down menu. For Spatial weights, Distance-based measures can be calculated from the centroids but contiguity based weights are not possible with the plugin right now. The weights dialog contains several placeholders for output. Checkboxes to “add Y to map” or “add number of neighbors field to shapefile” have not been implemented.