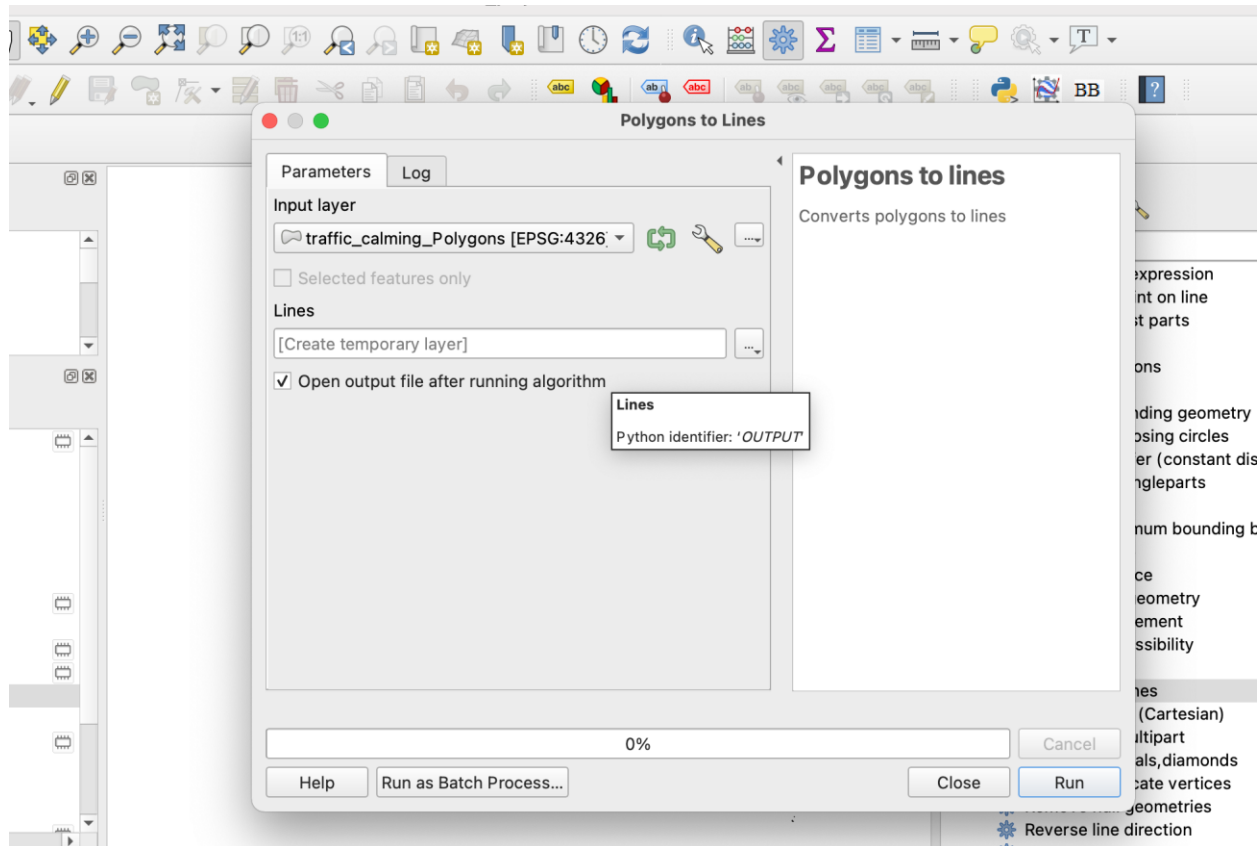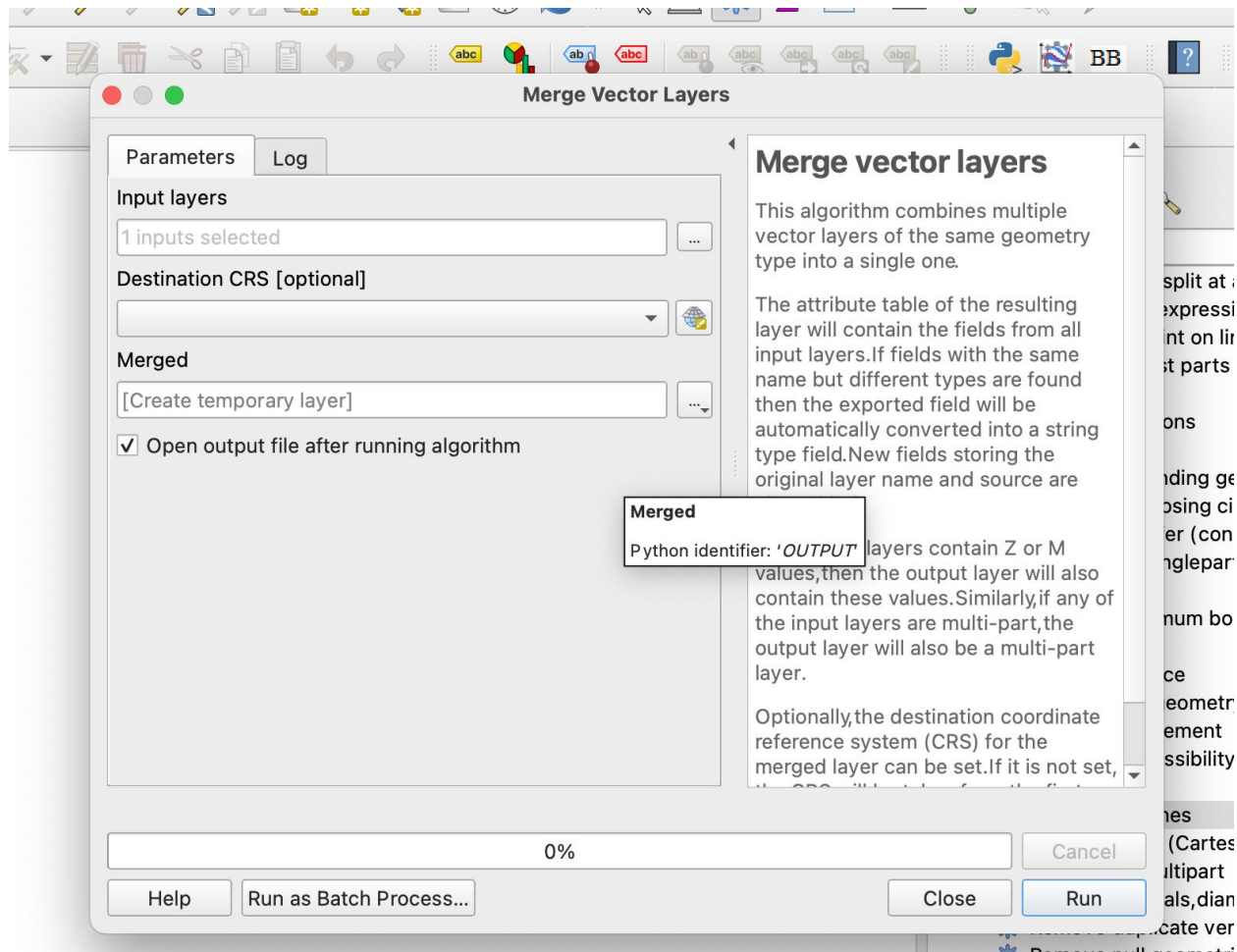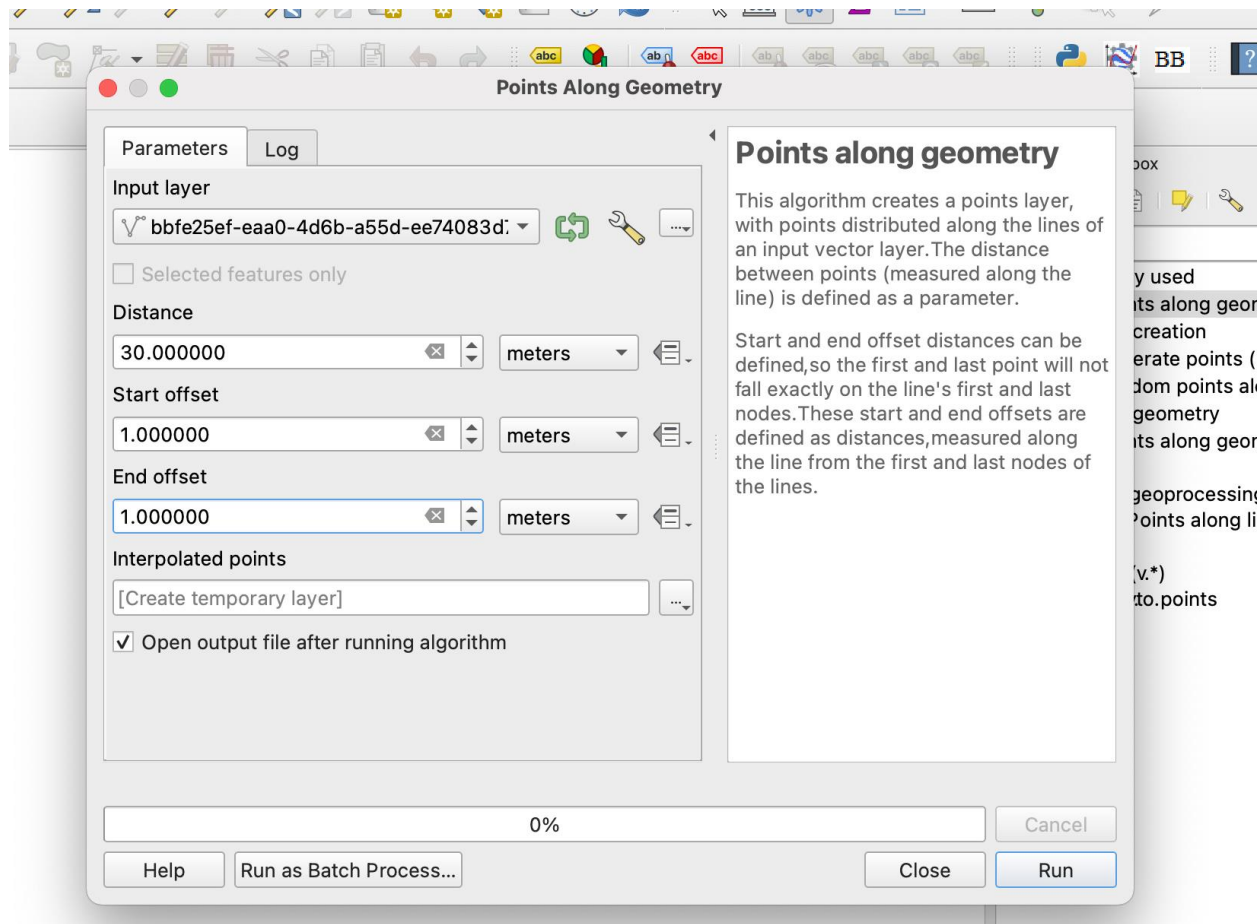1. Add the traffic calming data to QGIS
2. Convert the polygon geometry to line
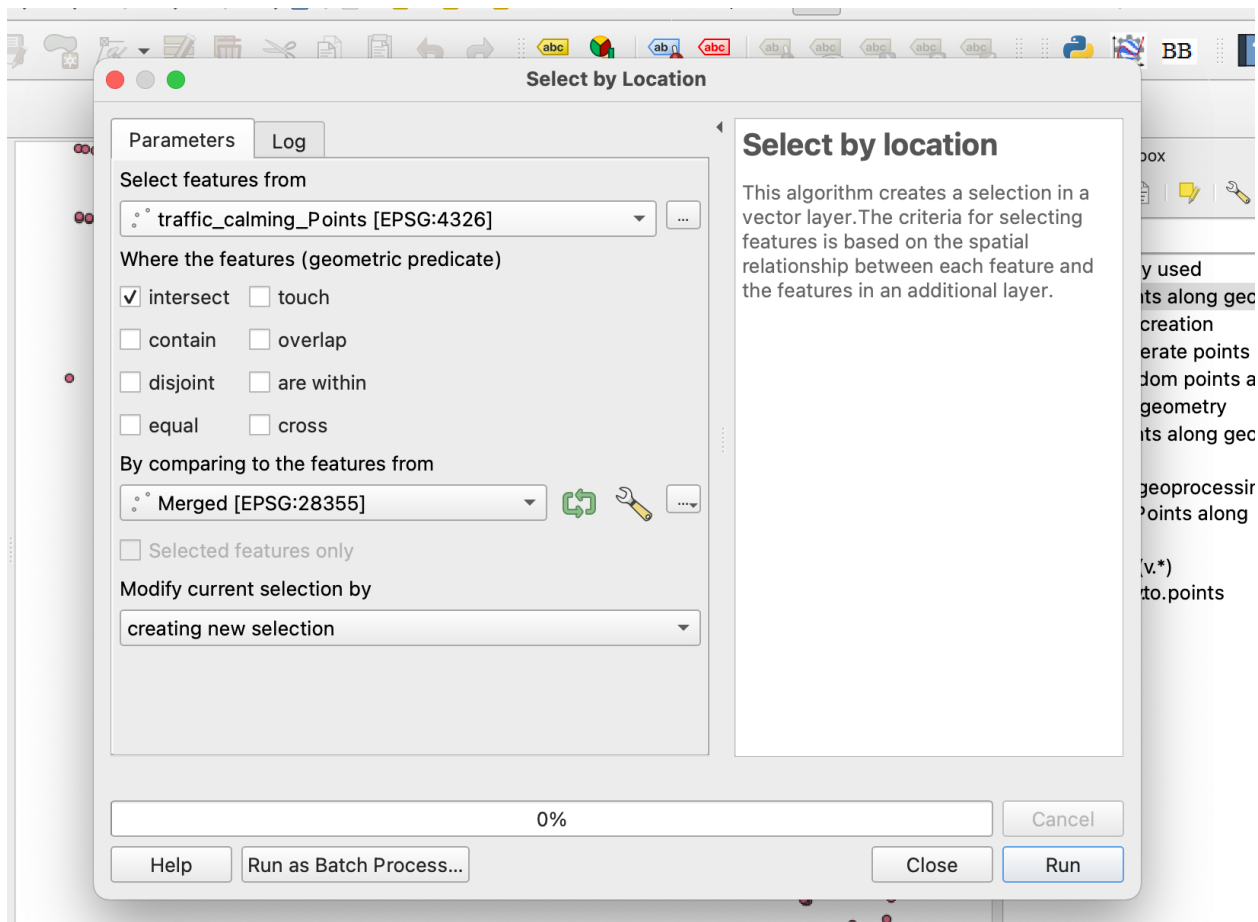

3. Merge converted geometry with line data

4. Use points along a geometry tool to extract points every 30 meters.

Points along geometry

This algorithm creates a points layer, with points distributed along the lines of an input vector layer. The distance between points (measured along the line) is defined as a parameter.

Start and end offset distances can be defined, so the first and last point will not fall exactly on the line's first and last nodes. These start and end offsets are defined as distances, measured along the line from the first and last nodes of the lines.

5. Select Points that intersect with merged polyline and <u>reverse</u> select them.

6. Merge all points.
7. Export the file into geopackage format and process the rest of the data using R
8. Calculate median values for modal filters and traffic calming structure per-edge and calculate their count as well.