

Basic Vector Styling

QGIS Tutorials and Tips



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The data we will use is from [Center for Sustainability and the Global Environment \(SAGE\)](#) at the University of Wisconsin–Madison.

You can download the [Life Expectancy GIS Grid data](#) from the human impact dataset.

For convenience, you may directly download a copy of the dataset from the link below:

lifeexpectancy.zip

□□ □□ [SAGE]

1. QGIS ▢ ▢▢▢▢ Layer ▸ Add Vector Layer... ▢ ▢▢▢▢▢▢.



2. `lifeexpectancy.zip` :guilabel: `Open`
`newsweek_data.shp` :guilabel: `Open`
(CRS, Coordinate Reference System) `WGS84 EPSG:4326`



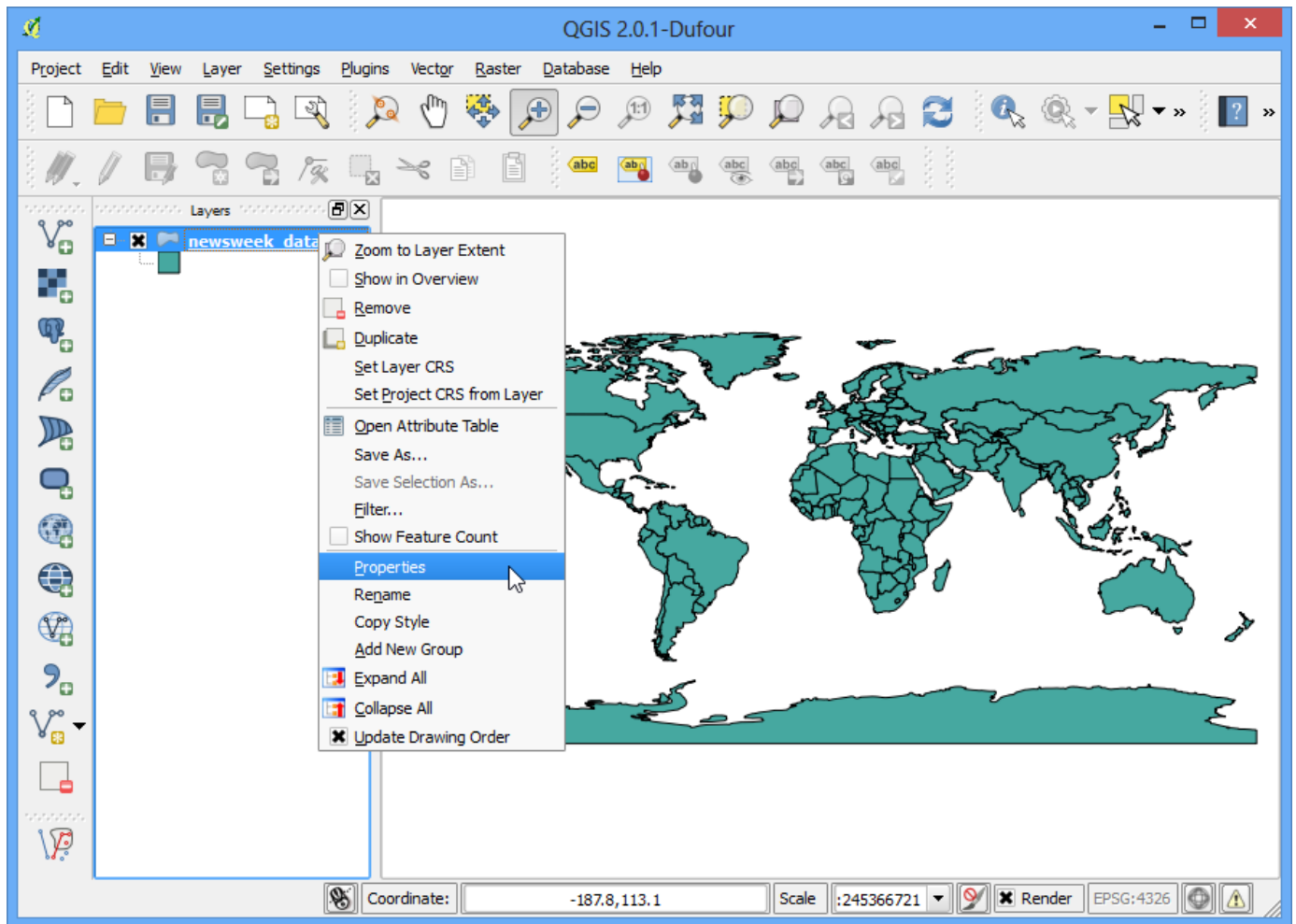
3. zip 文件 保存 到 指定 位置。 请 注意 文件 名称 和 格式。

Attribute table - newswk_data :: Features total: 165, filtered: 165, selected: 0

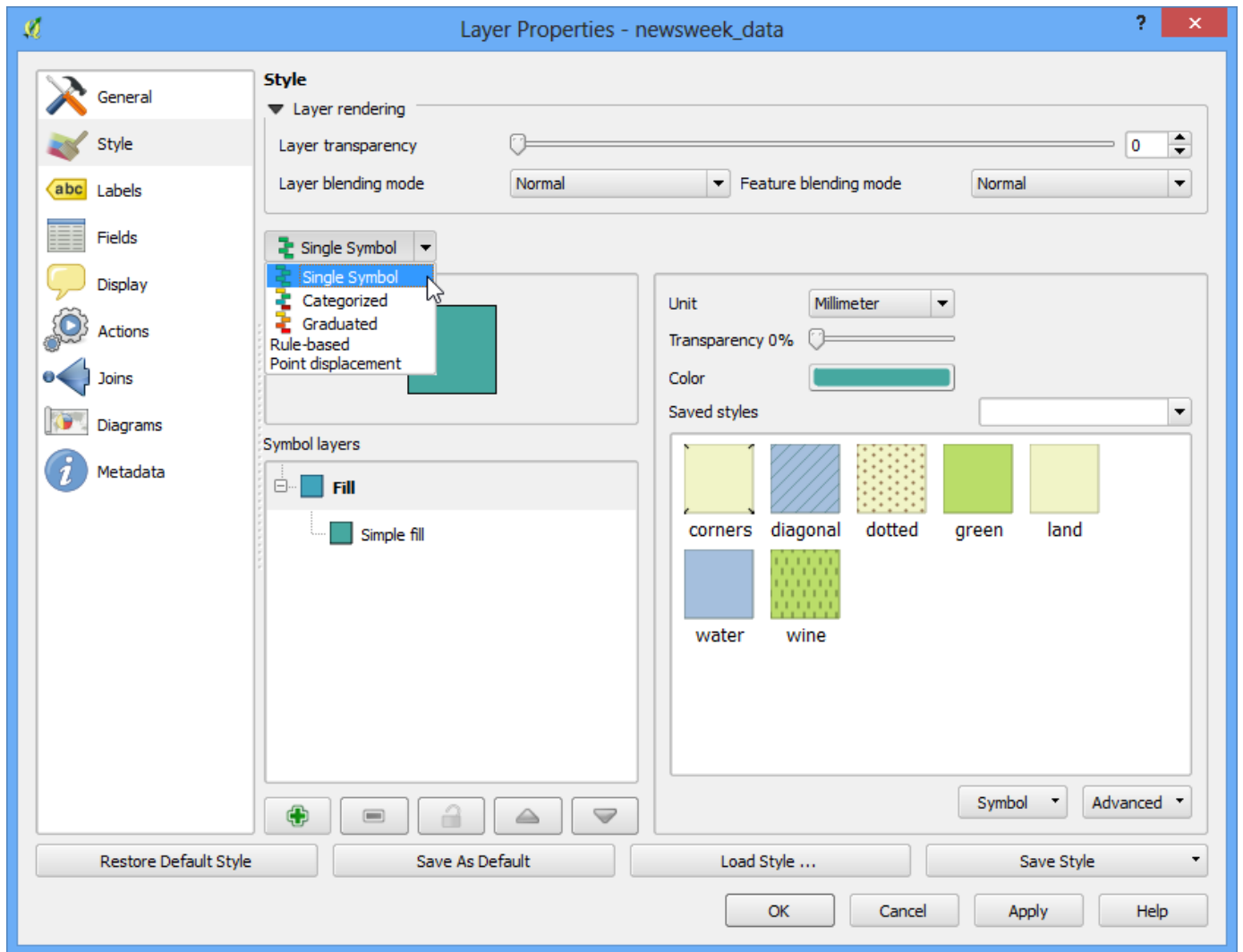
| | GRWRATE | URBPOP | MIG_RATE | POP_15 | POP65_ | LIFEXPCT | CONTRCEP |
|----|-------------|--------------|--------------|--------------|-------------|--------------|--------------|
| 0 | 2.620000000 | 47.000000000 | 0.000000000 | 45.200000000 | 3.800000000 | 47.000000000 | 7.000000000 |
| 1 | 2.660000000 | 33.000000000 | 0.000000000 | 44.900000000 | 3.100000000 | 42.000000000 | 4.000000000 |
| 2 | 1.900000000 | 53.000000000 | -0.400000000 | 33.200000000 | 5.100000000 | 76.000000000 | 58.000000000 |
| 3 | 0.940000000 | 35.000000000 | -9.900000000 | 32.300000000 | 4.000000000 | 65.000000000 | 31.000000000 |
| 4 | 3.320000000 | 46.000000000 | 2.200000000 | 46.000000000 | 3.700000000 | 55.000000000 | 6.000000000 |
| 5 | 3.170000000 | 44.000000000 | 0.500000000 | 48.100000000 | 2.800000000 | 52.000000000 | 1.000000000 |
| 6 | 3.360000000 | 32.000000000 | -0.100000000 | 48.000000000 | 2.500000000 | 50.000000000 | 8.000000000 |
| 7 | 3.400000000 | 5.000000000 | 0.700000000 | 49.800000000 | 2.300000000 | 46.000000000 | 10.000000000 |
| 8 | 2.880000000 | 8.000000000 | 0.000000000 | 46.300000000 | 2.900000000 | 48.000000000 | 9.000000000 |
| 9 | 3.720000000 | 29.000000000 | -0.200000000 | 47.100000000 | 2.900000000 | 46.000000000 | 1.000000000 |
| 10 | 2.840000000 | 49.000000000 | -0.100000000 | 48.500000000 | 2.200000000 | 49.000000000 | 1.000000000 |
| 11 | 3.310000000 | 15.000000000 | -7.700000000 | 49.200000000 | 2.600000000 | 45.000000000 | 7.000000000 |
| 12 | 2.370000000 | 51.000000000 | -0.100000000 | 39.700000000 | 3.900000000 | 59.000000000 | 30.000000000 |
| 13 | 2.830000000 | 27.000000000 | 32.000000000 | 44.900000000 | 3.300000000 | 47.000000000 | 4.000000000 |
| 14 | 2.970000000 | 25.000000000 | -0.300000000 | 44.600000000 | 2.800000000 | 60.000000000 | 43.000000000 |
| 15 | 3.180000000 | 33.000000000 | 0.000000000 | 45.000000000 | 3.400000000 | 58.000000000 | 26.000000000 |
| 16 | 1.550000000 | 84.000000000 | 0.000000000 | 30.500000000 | 6.400000000 | 72.000000000 | 43.000000000 |
| 17 | 2.920000000 | 25.000000000 | 0.000000000 | 44.900000000 | 3.300000000 | 68.000000000 | 33.000000000 |
| 18 | 2.690000000 | 46.000000000 | 0.000000000 | 39.600000000 | 3.600000000 | 67.000000000 | 48.000000000 |
| 19 | 2.370000000 | 60.000000000 | 0.200000000 | 37.500000000 | 4.000000000 | 62.000000000 | 48.000000000 |
| 20 | 2.680000000 | 30.000000000 | 0.000000000 | 42.500000000 | 3.100000000 | 57.000000000 | 20.000000000 |
| 21 | 2.470000000 | 9.000000000 | 0.000000000 | 40.700000000 | 3.900000000 | 56.000000000 | 5.000000000 |

Show All Features

6. `guiabel: Properties`



7. The QGIS Style Manager provides a variety of styles for vector layers. The styles are categorized into Single Symbol, Categorized, Graduated, Rule Based and Point displacement. The Single Symbol style is used for layers that contain a single symbol type. The Categorized style is used for layers that contain multiple symbol types. The Graduated style is used for layers that contain a continuous range of values. The Rule Based style is used for layers that contain a set of rules that define the symbols. The Point displacement style is used for layers that contain point features that need to be displaced from the map.



8. Click on 'Single Symbol' in the 'Style' tab. The 'Single Symbol' option is selected in the dropdown menu. The 'Symbol layers' section shows a 'Fill' layer with a 'Simple fill' symbol. The 'Saved styles' section displays various predefined styles like 'corners', 'diagonal', 'dotted', 'green', 'land', 'water', and 'wine'. Click on 'OK' to apply the changes.



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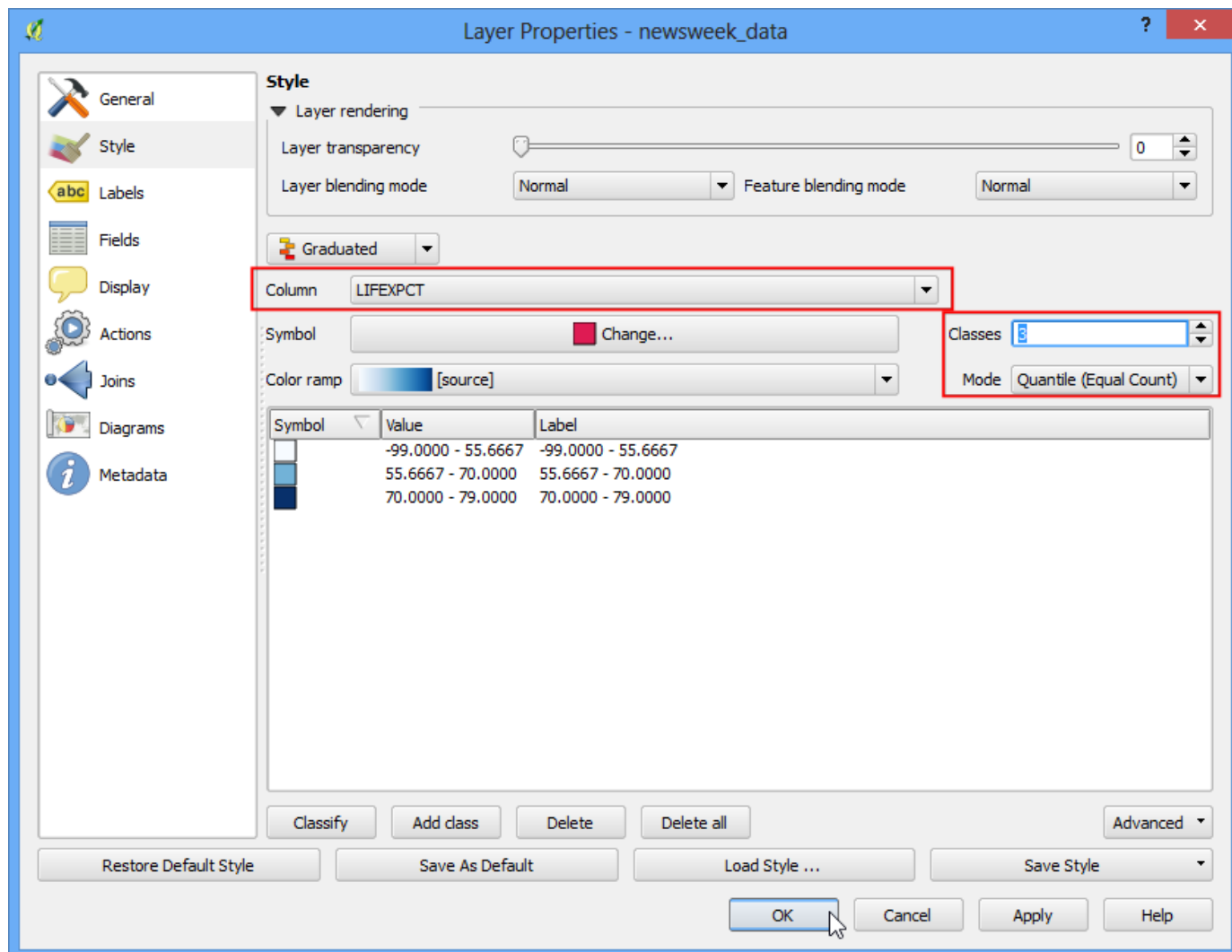
10. 000000 0000 00 000 000000 000000 0000 000 00 000. 00 0000 0000 000000 000000. 00 0000 0000 0000 0000 00:guilabel:Properties` 00000000. 000000 :guilabel:Style`0000 0000 :guilabel:~Categorized` 000 000000. '0000'00 000000 000 0000000 00 00 0000 00 0000 0000 0000. Column`00 :guilabel:~LIFEXPCT 00 000000. 000 :guilabel:~color ramp`00 000 0000 0 00 :guilabel:~Classify`000 000000. :guilabel:~OK`0 000000.



11. □□□ □□□ □□□ □□□ □□□ □□ □ □□□□. □□ □□□ □□ □□□□□ □□ □□□ □□ □□□□□ □□□□□. □□□□ □□ □□□ □□ □□□□, □□□□□□□ □□□□□ □□□□□ □□□□□. □□□ □□ □□□□ □□□□ □□□□ □□□□.

Note

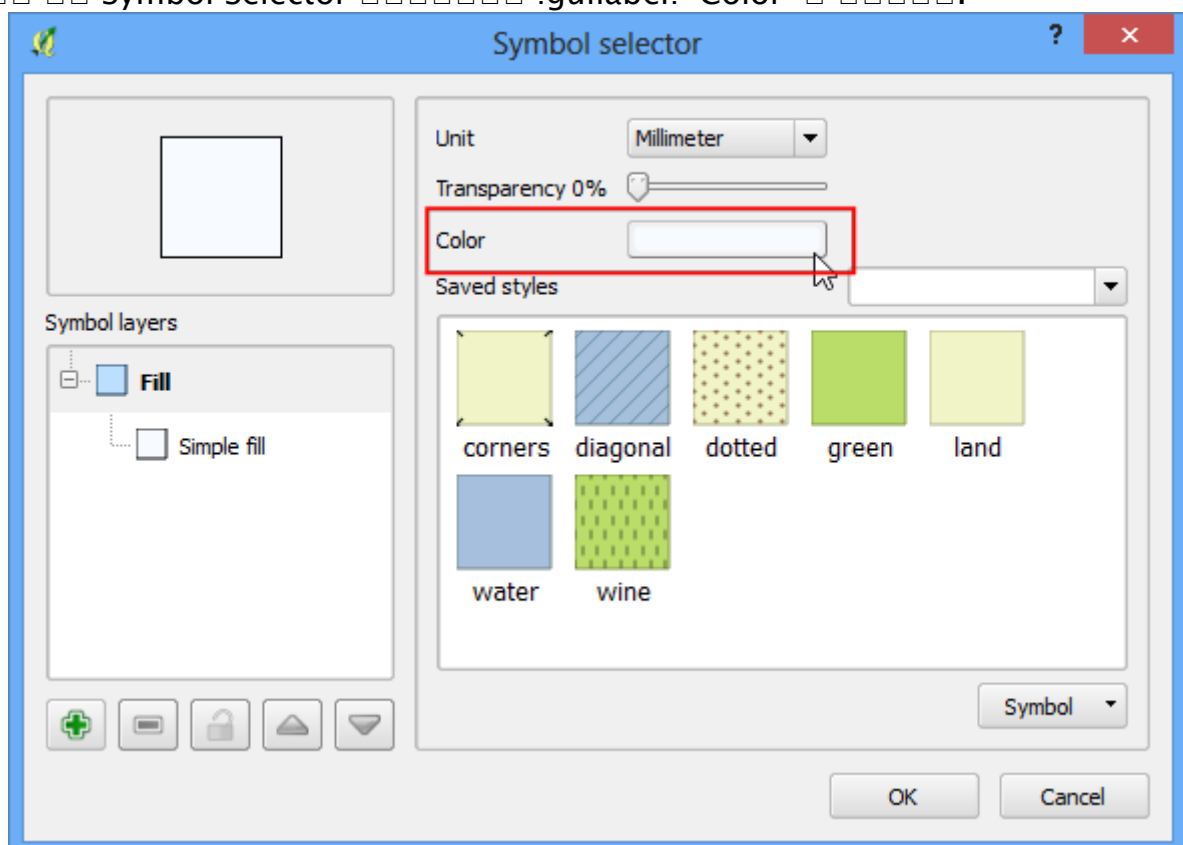
□□□ □□□□ :guilabel: `Graduated` □□□□ □□□□ □□□ □□□ □□□□ □□□. □□□ □□□ □ □□□□. □□□ □□□ □□□□□ □ □□□□ □□□ □□□ □ □□□□.



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15. □□ □□ Symbol Selector □□□□□□ :guilabel: `Color` □ □□□□□.



16. □□ □□ Select Color □□□□□□ □□ □□□□□.



17. □□□ □□ Layer Properties □□ □□□□ □ □□ □□ □□ □□ Label □ □□□□□ □□□□□ □□ □□□□ □□□ □ □□□□. □□□□□ □□□ □□□ □□□ □□ □ Value □ □□□□ □ □ □□□□. □□ □□□ □□□□ :guilabel: `OK` □ □□□□□.

