

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]

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1. QGIS□ □□□□ Layer ▸ Add Vector Layer...□ □□□□□□.



2. `lifeexpectancy.zip` を開く。:guilabel: `Open` をクリックする。
`newsweek_data.shp` を開く。:guilabel: `Open` をクリックする。開いた後、`newsweek_data.shp` の CRS (CRS, Coordinate Reference System) を `WGS84 EPSG:4326` に設定する。



3. zip 파일을 압축 해제합니다. 압축 해제된 파일을 다음 경로에 복사합니다.



4. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ :guilabel: `Open Attribute Table` ☐ ☐ ☐ ☐ ☐.



5. Click on the 'newsworld_data' layer in the Layers panel. Right-click on the layer and select 'Open Attribute Table'. This will open a table showing the attributes of the selected layer. The table has columns for 'LIFEXPCT' and 'GDP'.

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. 000000 0000. 00 000000 000 0000 0000 00 0, :guilabel: `Properties` 000000.



8. Click on 'Single Symbol' in the 'Style' tab. In the 'Symbol layers' section, click on 'Fill'. In the 'Saved styles' section, click on 'dotted'. Click on 'OK'.



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10. The first step is to open the 'Properties' dialog for the 'newweek_data' layer. This can be done by right-clicking on the layer in the 'Layers' panel and selecting 'Properties'. The 'Style' tab is selected, and the 'Categorized' color ramp is chosen. The 'Column' is set to 'LIFEXPCT'. The 'Classify' button is clicked, and the 'OK' button is pressed to apply the changes.



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Note

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14. □□ □□□□ □□ □□ □□ □□□ Properties` □ □□□ :guilabel:`Style □□□□ □□ □□□. □□ □ □□□ □□ □□ □□□. □ □□ □□ □□□ □ □□□ □□ □ □□□. □□□□ □, □, □□ □□□ □□ □□, □□ □□ □□ □□□ □□□□.



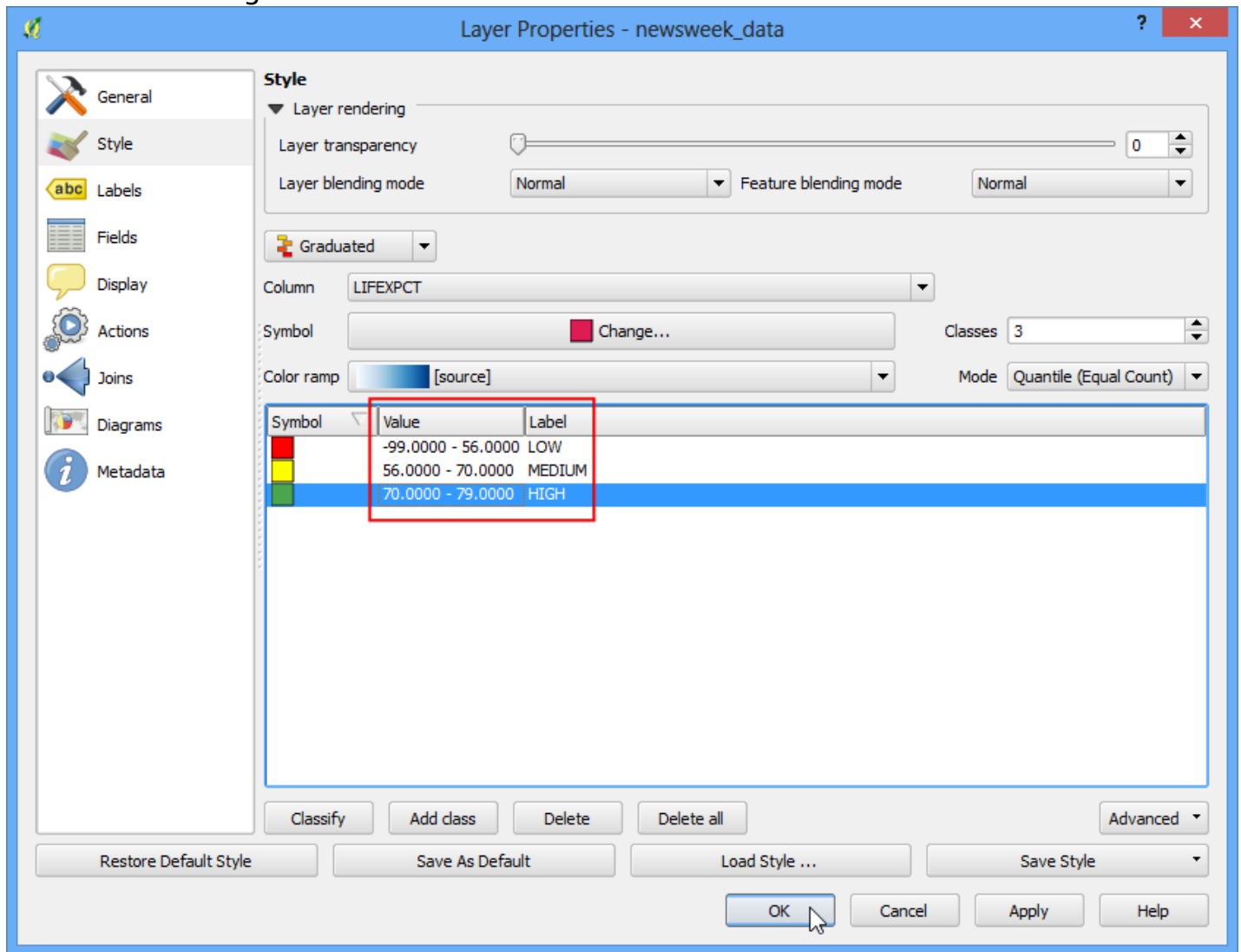
15. □□ □□ Symbol Selector □□□□□□ :guilabel: `Color` □ □□□□□.



16. Select Color dialog box.



17. Layer Properties dialog box has a Style tab. In this tab, you can define the style for the layer. The Style tab has a Layer rendering section. In this section, you can define the layer transparency, layer blending mode, and feature blending mode. The Layer rendering section also has a Column dropdown menu. The Column dropdown menu has a list of columns. The Column dropdown menu is set to LIFEXPCT. The Layer rendering section also has a Symbol button. The Symbol button is set to Change... The Layer rendering section also has a Color ramp dropdown menu. The Color ramp dropdown menu is set to [source]. The Layer rendering section also has a Classes dropdown menu. The Classes dropdown menu is set to 3. The Layer rendering section also has a Mode dropdown menu. The Mode dropdown menu is set to Quantile (Equal Count). The Layer rendering section also has a table with 3 columns: Symbol, Value, and Label. The table has 3 rows. The first row has a red symbol, -99.0000 - 56.0000, and LOW. The second row has a yellow symbol, 56.0000 - 70.0000, and MEDIUM. The third row has a green symbol, 70.0000 - 79.0000, and HIGH. The table is highlighted with a red box. The Layer rendering section also has buttons for Classify, Add class, Delete, and Delete all. The Layer rendering section also has an Advanced dropdown menu. The Layer rendering section also has buttons for Restore Default Style, Save As Default, Load Style ..., and Save Style. The Layer rendering section also has buttons for OK, Cancel, Apply, and Help.



18. The Layer Properties dialog box has a Style tab. In this tab, you can define the style for the layer. The Style tab has a Layer rendering section. In this section, you can define the layer transparency, layer blending mode, and feature blending mode. The Layer rendering section also has a Column dropdown menu. The Column dropdown menu has a list of columns. The Column dropdown menu is set to LIFEXPCT. The Layer rendering section also has a Symbol button. The Symbol button is set to Change... The Layer rendering section also has a Color ramp dropdown menu. The Color ramp dropdown menu is set to [source]. The Layer rendering section also has a Classes dropdown menu. The Classes dropdown menu is set to 3. The Layer rendering section also has a Mode dropdown menu. The Mode dropdown menu is set to Quantile (Equal Count). The Layer rendering section also has a table with 3 columns: Symbol, Value, and Label. The table has 3 rows. The first row has a red symbol, -99.0000 - 56.0000, and LOW. The second row has a yellow symbol, 56.0000 - 70.0000, and MEDIUM. The third row has a green symbol, 70.0000 - 79.0000, and HIGH. The table is highlighted with a red box. The Layer rendering section also has buttons for Classify, Add class, Delete, and Delete all. The Layer rendering section also has an Advanced dropdown menu. The Layer rendering section also has buttons for Restore Default Style, Save As Default, Load Style ..., and Save Style. The Layer rendering section also has buttons for OK, Cancel, Apply, and Help.

