

Basic Vector Styling

QGIS Tutorials and Tips



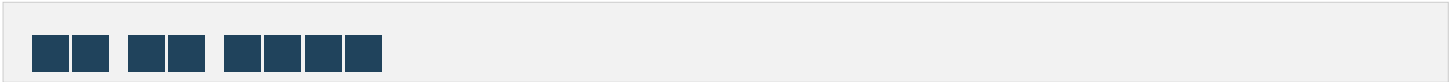
Author

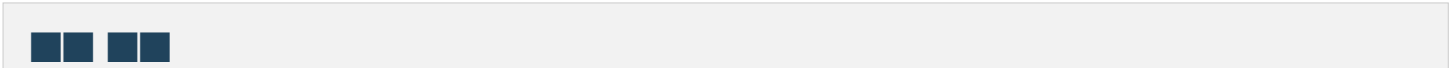
Ujaval Gandhi

<http://google.com/+UjavalGandhi>

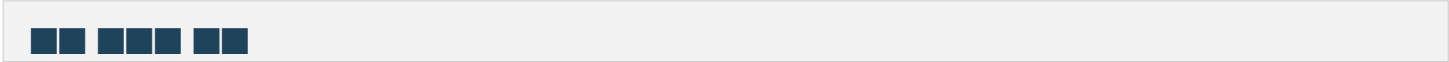
Translations by

SongHyun Choi

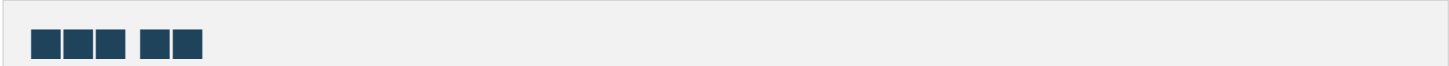




THESE RECHERCHES SONT LE FRUIT D'UN TRAVAIL COLLECTIF.



- **1990-1994** **1995-1999** **2000-2004** **2005-2009** **2010-2014** **2015-2019** **2020-2024** **2025-2029** **2030-2034** **2035-2039** **2040-2044** **2045-2049** **2050-2054** **2055-2059** **2060-2064** **2065-2069** **2070-2074** **2075-2079** **2080-2084** **2085-2089** **2090-2094** **2095-2099** **2100-2104** **2105-2109** **2110-2114** **2115-2119** **2120-2124** **2125-2129** **2130-2134** **2135-2139** **2140-2144** **2145-2149** **2150-2154** **2155-2159** **2160-2164** **2165-2169** **2170-2174** **2175-2179** **2180-2184** **2185-2189** **2190-2194** **2195-2199** **2200-2204** **2205-2209** **2210-2214** **2215-2219** **2220-2224** **2225-2229** **2230-2234** **2235-2239** **2240-2244** **2245-2249** **2250-2254** **2255-2259** **2260-2264** **2265-2269** **2270-2274** **2275-2279** **2280-2284** **2285-2289** **2290-2294** **2295-2299** **2300-2304** **2305-2309** **2310-2314** **2315-2319** **2320-2324** **2325-2329** **2330-2334** **2335-2339** **2340-2344** **2345-2349** **2350-2354** **2355-2359** **2360-2364** **2365-2369** **2370-2374** **2375-2379** **2380-2384** **2385-2389** **2390-2394** **2395-2399** **2400-2404** **2405-2409** **2410-2414** **2415-2419** **2420-2424** **2425-2429** **2430-2434** **2435-2439** **2440-2444** **2445-2449** **2450-2454** **2455-2459** **2460-2464** **2465-2469** **2470-2474** **2475-2479** **2480-2484** **2485-2489** **2490-2494** **2495-2499** **2500-2504** **2505-2509** **2510-2514** **2515-2519** **2520-2524** **2525-2529** **2530-2534** **2535-2539** **2540-2544** **2545-2549** **2550-2554** **2555-2559** **2560-2564** **2565-2569** **2570-2574** **2575-2579** **2580-2584** **2585-2589** **2590-2594** **2595-2599** **2600-2604** **2605-2609** **2610-2614** **2615-2619** **2620-2624** **2625-2629** **2630-2634** **2635-2639** **2640-2644** **2645-2649** **2650-2654** **2655-2659** **2660-2664** **2665-2669** **2670-2674** **2675-2679** **2680-2684** **2685-2689** **2690-2694** **2695-2699** **2700-2704** **2705-2709** **2710-2714** **2715-2719** **2720-2724** **2725-2729** **2730-2734** **2735-2739** **2740-2744** **2745-2749** **2750-2754** **2755-2759** **2760-2764** **2765-2769** **2770-2774** **2775-2779** **2780-2784** **2785-2789** **2790-2794** **2795-2799** **2800-2804** **2805-2809** **2810-2814** **2815-2819** **2820-2824** **2825-2829** **2830-2834** **2835-2839** **2840-2844** **2845-2849** **2850-2854** **2855-2859** **2860-2864** **2865-2869** **2870-2874** **2875-2879** **2880-2884** **2885-2889** **2890-2894** **2895-2899** **2900-2904** **2905-2909** **2910-2914** **2915-2919** **2920-2924** **2925-2929** **2930-2934** **2935-2939** **2940-2944** **2945-2949** **2950-2954** **2955-2959** **2960-2964** **2965-2969** **2970-2974** **2975-2979** **2980-2984** **2985-2989** **2990-2994** **2995-2999** **3000-3004** **3005-3009** **3010-3014** **3015-3019** **3020-3024** **3025-3029** **3030-3034** **3035-3039** **3040-3044** **3045-3049** **3050-3054** **3055-3059** **3060-3064** **3065-3069** **3070-3074** **3075-3079** **3080-3084** **3085-3089** **3090-3094** **3095-3099** **3100-3104** **3105-3109** **3110-3114** **3115-3119** **3120-3124** **3125-3129** **3130-3134** **3135-3139** **3140-3144** **3145-3149** **3150-3154** **3155-3159** **3160-3164** **3165-3169** **3170-3174** **3175-3179** **3180-3184** **3185-3189** **3190-3194** **3195-3199** **3200-3204** **3205-3209** **3210-3214** **3215-3219** **3220-3224** **3225-3229** **3230-3234** **3235-3239** **3240-3244** **3245-3249** **3250-3254** **3255-3259** **3260-3264** **3265-3269** **3270-3274** **3275-3279** **3280-3284** **3285-3289** **3290-3294** **3295-3299** **3300-3304** **3305-3309** **3310-3314** **3315-3319** **3320-3324** **3325-3329** **3330-3334** **3335-3339** **3340-3344** **3345-3349** **3350-33**

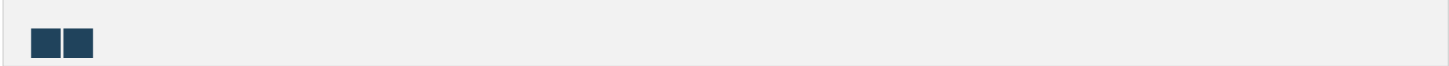


■■■■ ■■■■ ■■■■ University of Wisconsin-Madison ■ Center for Sustainability and the Global Environment (SAGE) <<http://www.sage.wisc.edu/atlas/maps.php>> _ ■■■■■■.

Life Expectancy GIS Grid data

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■■■■ ■■■■ ■■ ■■■■■ ■■■■■. ■■■■ ■■■■ ■■■■ ■■■■ ■■■■ ■■■■ ■■■■.



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

Attribute table - newweek_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. ■■■■■■■■ ■■■■■■. ■■■ ■■■■■■■■ ■■■■ ■■■■■ ■■■■■ ■■■ ■■■, :guilabel: 'Properties' ■■■■■■■■.



7. The 'Style' dialog box allows you to choose from several styles: Single Symbol, Categorized, Graduated, Rule Based and Point displacement. The 'Single Symbol' style is selected by default.

[illegible]



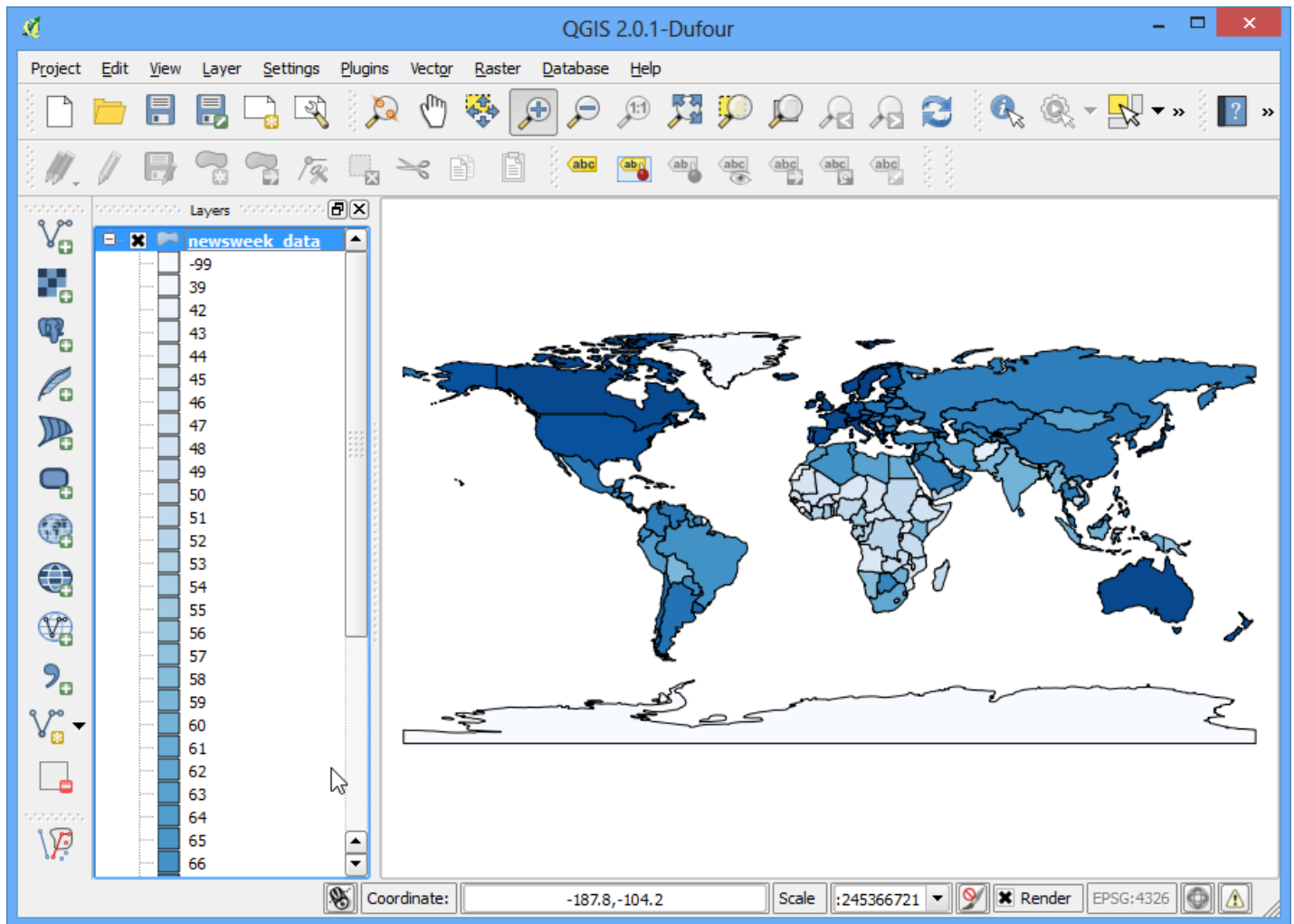
9. ■■■■ ■■■■ ■■■■ ■■■■ ■■■■ ■■■■ ■■■■ ■■■■ ■■■■.



10. `guiabel:Properties` `guiabel:Style` `guiabel:Categorized` `Column` `guiabel:LIFEXPCT` `guiabel:color ramp` `guiabel:Classify` `guiabel:OK`



11. The 'Layer Properties' dialog box is used to modify the style of a layer. In this case, the 'Categorized' style is selected, and the 'LIFEXPCT' field is chosen as the classification field. The 'Classify' button is used to generate the classification categories, which are displayed in the table below. The 'OK' button is used to apply the changes.



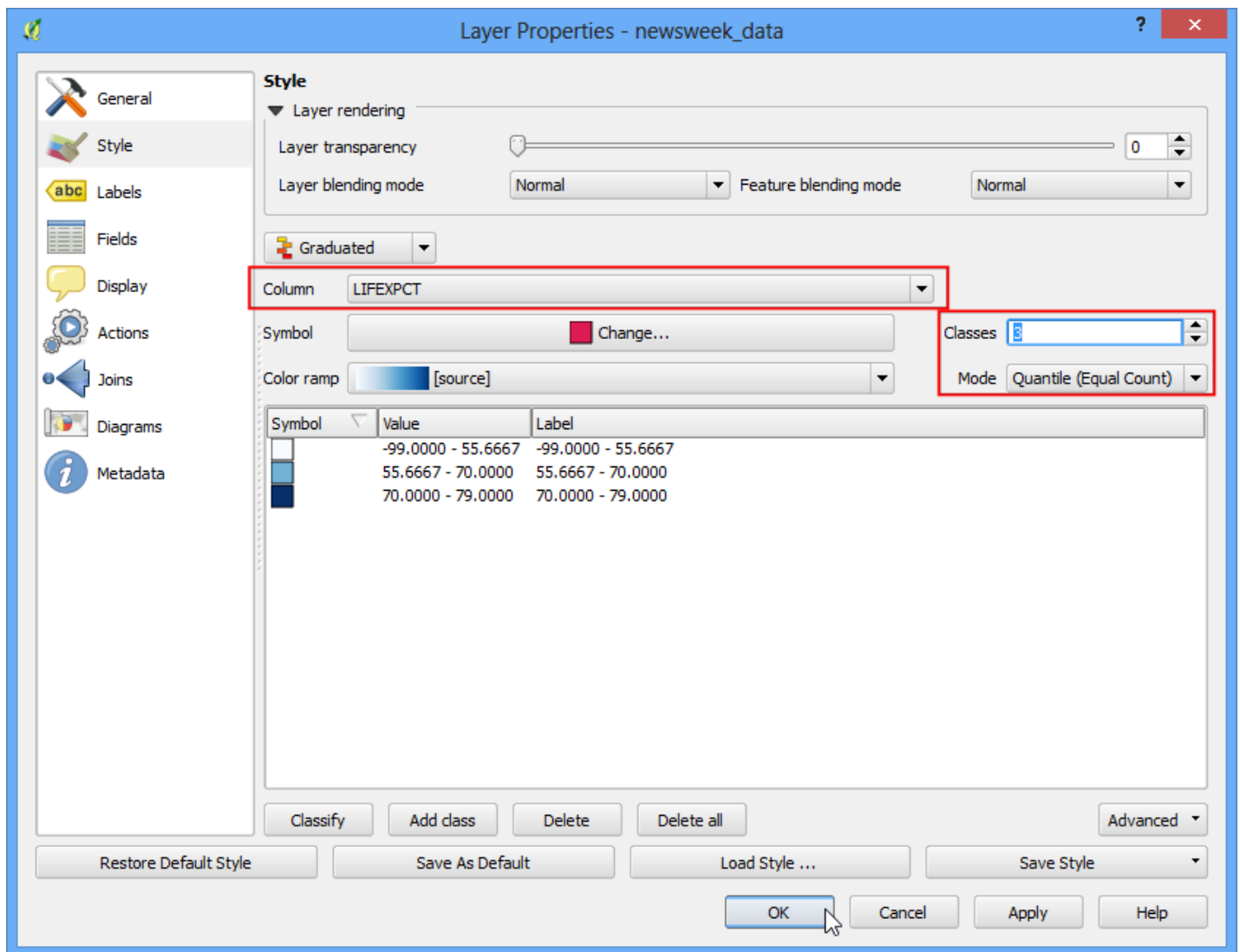
12. **Style** **Graduated**. ***classes*** **3**, **LOW, MEDIUM** **HIGH**. **Column** **:guilabel:'LIFEXPCT'** **:guilabel:'3'** **:guilabel:'Mode'** **:guilabel:'Equal Interval'**, **Quantile**, **Natural Breaks (Jenks)**, **Standard Deviation** **Pretty Breaks**.

- **0-100** **10** **0-10, 10-20, 20-30** **10**.
- **100** **4** **25**.
- **(Jenks)** .
- .
- **R** **'pretty'** .

:guilabel:'Classify' **3** **:guilabel:'OK'**.

Note

■■■■ ■■■■■ :guilabel: `Graduated` ■■■■■ ■■■■■ ■■■■■ ■■■■■ ■■■■■ ■■■■■. ■■■■■ ■■■■■ ■■■■■. ■■■■■ ■■■■■ ■■■■■ ■■■■■ ■■■■■ ■■■■■ ■■■■■ ■■■■■.



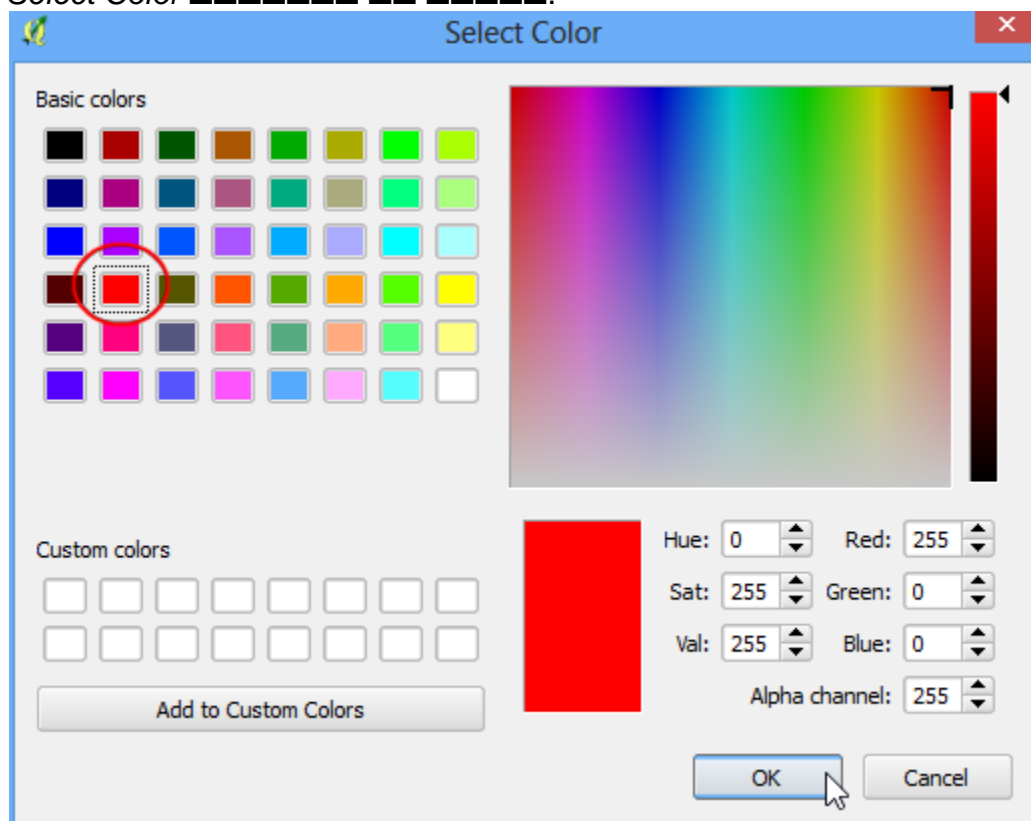
13. ■■■■■ ■■■■■ ■■■■■ ■■■■■ 3■■■■ ■■■■■ ■■■■■ ■■■■■.



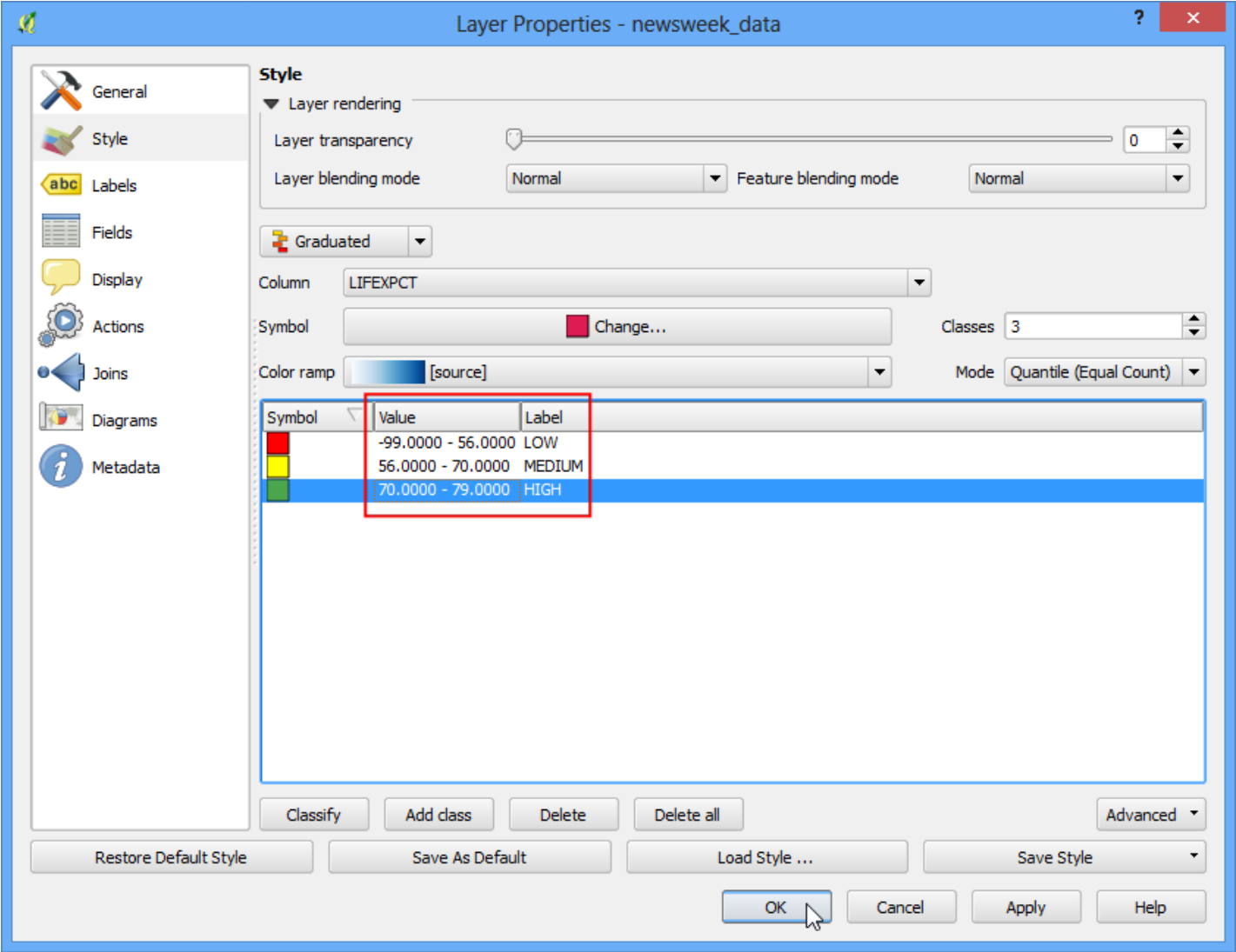
15. ■■■ ■■■ *Symbol Selector* ■■■■■■■■ :guilabel: `Color` ■■■■■■■■.



16. ■■■■ Select Color ■■■■■■■■■■ ■■■■■■■■■■.



17. **Layer Properties** **Style** **Labels** **Value** **Label** **OK**



18. **Layer Properties** **Style** **Labels** **Value** **Label** **OK**

