

Points in Polygon Analysis

QGIS Tutorials and Tips



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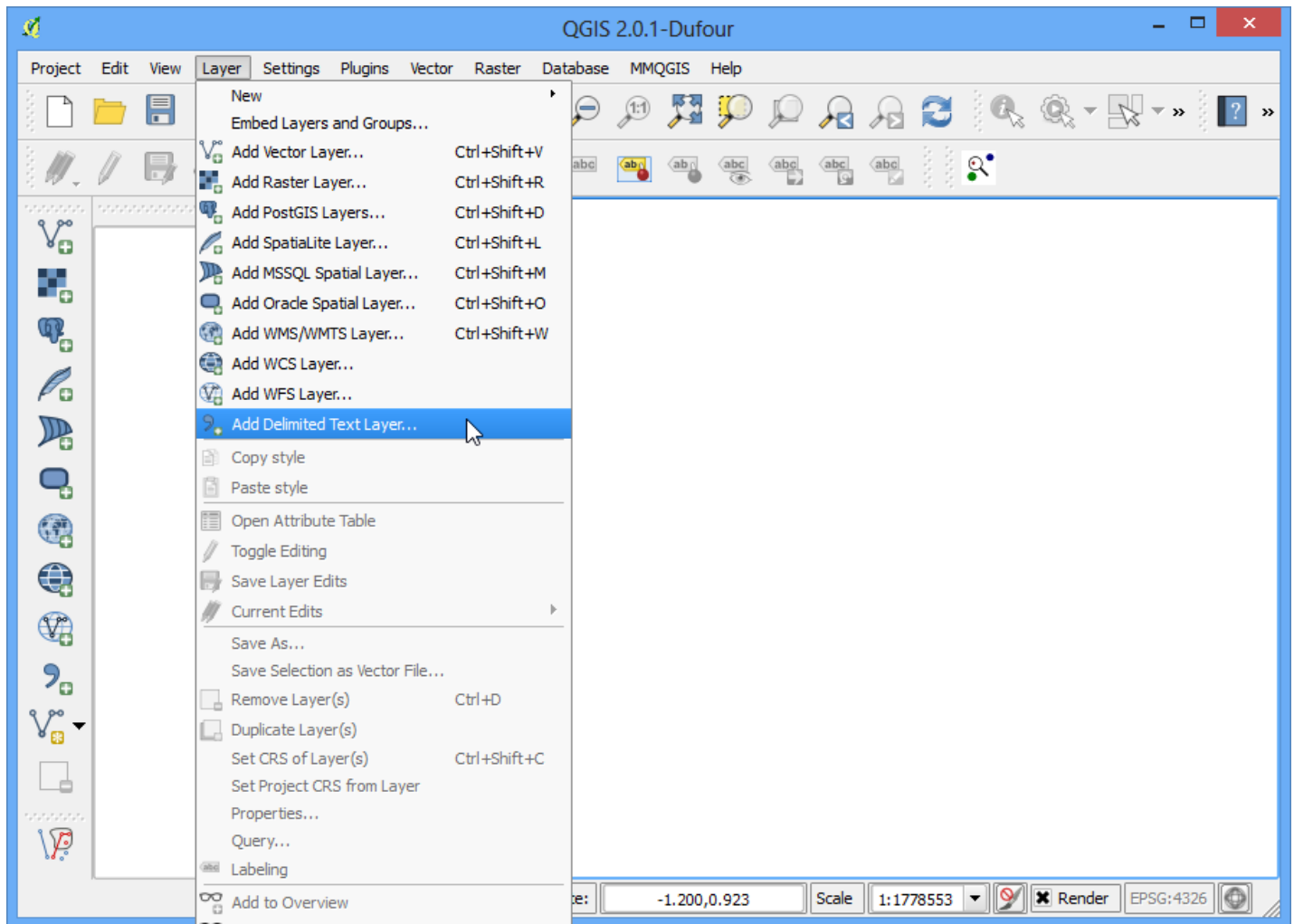
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Natural Earth□ Admin 0 – Countries □□□□□ □□□ □□□□. `countries <http://www.naturalearthdata.com/http://www.naturalearthdata.com/download/10m/cultural/ne_10m_admin_0_countries.zip>`_□ □□□□ □□□.

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1. □□ □□□ --> □□□□ □□□ □□□ □□□ □□ :menuselection: `Layer --> Add Delimited Text Layer` □ □□ □□□□□ `signif.txt` `□□□ □□□□.



2. Click on the 'Add Delimited Text Layer...' option in the Layer menu. A dialog box will appear with the following fields: 'File format' (set to 'Text (comma delimited)'), 'Tab' (checked), 'X field' (set to 'X'), and 'Y field' (set to 'Y'). Click on the 'OK' button to add the layer.

Note

QGIS can also open CSV files. To do this, click on 'Add Delimited Text Layer...' in the Layer menu. In the dialog box, set 'File format' to 'Text (comma delimited)', 'Tab' to 'Text (comma delimited)', 'X field' to 'X', and 'Y field' to 'Y'. Click on the 'OK' button to add the layer.



4. □□ □□ □□□ QGIS □ □□□□. □□ □□ □□□ □□□□. □□ □□□ --> □□ □□ □□ Layer
 - Add Vector Layer`□ □□□□. □□□□□ ``ne_10m_admin_0_countries.zip``□□□ □□
 - :guilabel:`Open`□ □□□□□. □□□ □□ □□ :guilabel:`Select layers to add...
 - □□□□ ``ne_10m_admin_0_countries.shp``□ □□□□□.



5. □□ □□ --> □□ □□ --> □□□□ □ :menuselection: `Vector --> Analysis Tools --> Point in Polygon` □ □□□□□.



6. □□□□□ □□□ □□□□ □□□ □□□□ □□ □□□□□. □□ □□□□
 `earthquake_per_coutry.shp` □ □□□□ :guilabel: `OK` □ □□□□□.

Note

OK. QGIS 10.

7. TOC :guilabel: `Yes`.



8. TOC :guilabel: `Open Attribute Table`.



9. `PNTCNT`.

Attribute table - earthquakes_per_country :: Features total: 255, filtered: 255, selected: 0

| | REGION_WB | NAME_LEN | LONG_LEN | ABBREV_LEN | TINY | HOMEPART | PNTCNT |
|----|--------------------|----------|----------|------------|--------|----------|--------------------|
| 0 | Latin America ... | 5.00 | 5.00 | 5.00 | 4.00 | -99.00 | 0.000000000000... |
| 1 | South Asia | 11.00 | 11.00 | 4.00 | -99.00 | 1.00 | 57.000000000000... |
| 2 | Sub-Saharan Af... | 6.00 | 6.00 | 4.00 | -99.00 | 1.00 | 0.000000000000... |
| 3 | Latin America ... | 8.00 | 8.00 | 4.00 | -99.00 | -99.00 | 0.000000000000... |
| 4 | Europe & Centr... | 7.00 | 7.00 | 4.00 | -99.00 | 1.00 | 44.000000000000... |
| 5 | Europe & Centr... | 5.00 | 13.00 | 5.00 | 5.00 | -99.00 | 0.000000000000... |
| 6 | Europe & Centr... | 7.00 | 7.00 | 4.00 | 5.00 | 1.00 | 0.000000000000... |
| 7 | Middle East & ... | 20.00 | 20.00 | 6.00 | -99.00 | 1.00 | 0.000000000000... |
| 8 | Latin America ... | 9.00 | 9.00 | 4.00 | -99.00 | 1.00 | 20.000000000000... |
| 9 | Europe & Centr... | 7.00 | 7.00 | 4.00 | -99.00 | 1.00 | 14.000000000000... |
| 10 | East Asia & Pac... | 14.00 | 14.00 | 9.00 | 3.00 | -99.00 | 0.000000000000... |
| 11 | Antarctica | 10.00 | 10.00 | 4.00 | -99.00 | 1.00 | 0.000000000000... |
| 12 | East Asia & Pac... | 23.00 | 27.00 | 7.00 | -99.00 | -99.00 | 0.000000000000... |
| 13 | Sub-Saharan Af... | 22.00 | 35.00 | 10.00 | 2.00 | -99.00 | 0.000000000000... |
| 14 | Latin America ... | 17.00 | 19.00 | 6.00 | 4.00 | 1.00 | 0.000000000000... |
| 15 | East Asia & Pac... | 9.00 | 9.00 | 4.00 | -99.00 | 1.00 | 9.000000000000... |
| 16 | Europe & Centr... | 7.00 | 7.00 | 5.00 | -99.00 | 1.00 | 4.000000000000... |
| 17 | Europe & Centr... | 10.00 | 10.00 | 4.00 | -99.00 | 1.00 | 15.000000000000... |
| 18 | Sub-Saharan Af... | 7.00 | 7.00 | 4.00 | -99.00 | 1.00 | 1.000000000000... |
| 19 | Europe & Centr... | 7.00 | 7.00 | 5.00 | -99.00 | 1.00 | 2.000000000000... |
| 20 | Sub-Saharan Af... | 5.00 | 5.00 | 5.00 | -99.00 | 1.00 | 1.000000000000... |
| 21 | Sub-Saharan Af... | 12.00 | 12.00 | 4.00 | -99.00 | 1.00 | 0.000000000000... |

Show All Features

10. `PNTCNT` 0.000000000000...
`PNTCNT` 57.000000000000...



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