

Points in Polygon Analysis

QGIS Tutorials and Tips



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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>`_□ □□□□ □□□.

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

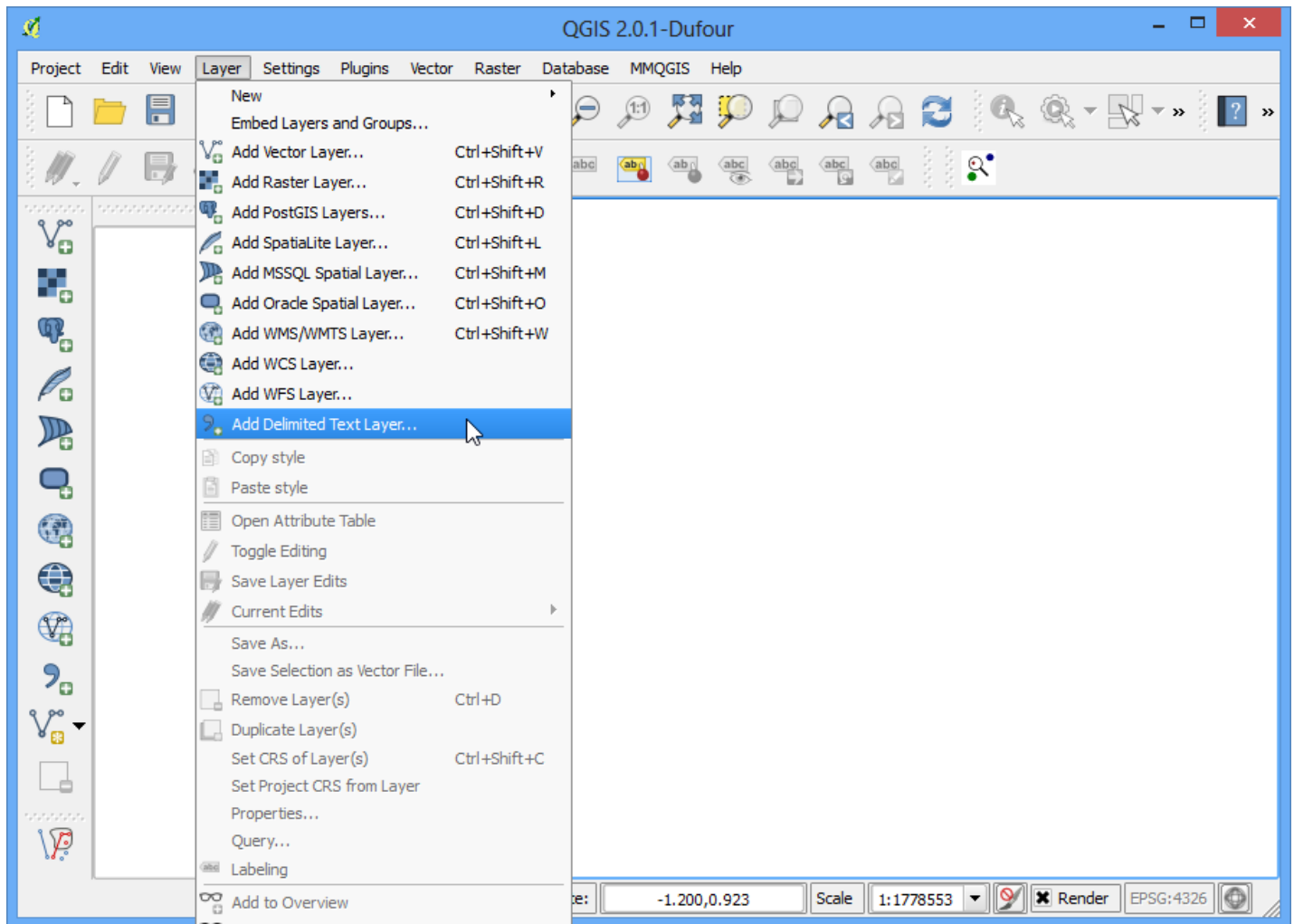
[signif.txt](#)

[ne_10m_admin_0_countries.zip](#)

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



2. Click on the ***tab-delimited file*** button. :guilabel: `File format`
 :guilabel: `Tab` X :guilabel: `X field` Y :guilabel: `Y field`
 :guilabel: `OK`.

Note

QGIS is a free and open source GIS. It is a powerful tool for working with spatial data. It can be used to create maps, analyze data, and manage spatial information. It is a great tool for anyone who needs to work with spatial data.



- The earthquake point layer would now be loaded and displayed in QGIS. Let's also open the Countries layer. Go to Layer > Add Vector Layer. Browse to the downloaded *ne_10m_admin_0_countries.zip* file and click Open. Select the *ne_10m_admin_0_countries.shp* as the layer in the Select layers to add... dialog.



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` ` PNTCNT` ` 2`



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