

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>`_□ □□□□ □□□.

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



2. Open the 'Add Delimited Text Layer' dialog box. In the 'File format' dropdown, select 'Tab-delimited file'. In the 'X field' dropdown, select the field containing the X coordinates. In the 'Y field' dropdown, select the field containing the Y coordinates. Click the 'OK' button to add the layer.

Note

The QGIS interface is designed to be user-friendly and intuitive. It includes a variety of tools and options to help you work with your data. The 'Add Delimited Text Layer' dialog box is a key component for importing data into QGIS.



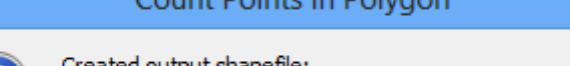
4. □□ □□ □□□ QGIS □ □□□□. □□ □□ □□□ □□□□. □□ □□ □□ --> □□ □□ □□
 Layer ▸ Add Vector Layer □ □□□□. □□□□□
 ne_10m_admin_0_countries.zip □□□ □□ □□ :guilabel: `Open` □ □□□□. □□□
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 ne_10m_admin_0_countries.shp □ □□□□.



The screenshot shows the QGIS 2.0.1-Dufour interface. The 'Vector' menu is open, and the 'Analysis Tools' submenu is selected, with 'Points in polygon' highlighted. The map canvas displays a world map with yellow landmasses and cyan points. The 'Layers' panel on the left shows two layers: 'ne_10m_admin_0_count...' and 'signif'. The status bar at the bottom indicates the coordinate system is EPSG:4326.

Note

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Count Points in Polygon

Created output shapefile:
C:/Users/ujaval/Downloads/earthquakes_per_country.shp

Would you like to add the new layer to the TOC?

Yes No



9. 〇〇 〇〇〇〇〇 〃 〃 PNTCNT 〃 〃 〇〇 〇〇〇 〇〇〇〇 〇〇〇〇 〇〇〇. 〇〇〇 〇 〇〇〇〇〇 〇〇〇
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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. 00 00 00 ``PNTCNT`` 000 0000 00 00 00 000 00 0000. 0000000 0000 00
 ``PNTCNT`` 00 20 000000. 000 00000 000 0000 00 00000 00 00000 00000.



2000 年 1 月 1 日 至 2000 年 12 月 31 日 的 地震 数据。 数据 来源 为 美国 地质 调查 局 (USGS) 的 全球 地震 目录 (Global Earthquake Catalogue)。